

WHAT IS YOUR PLAN AFTER CLC?

I WANT TO TRANSFER TO A FOUR-YEAR COLLEGE OR UNIVERSITY.

The **Associate in Arts (A.A.)**, **Associate in Science (A.S.)** or other specially focused transfer degrees will help you reach your academic goal.

- **Associate in Arts (A.A.) degree**- typically ranges from 60-64 credit hours and should parallel the first two years of a liberal arts-related baccalaureate degree program.
- **Associate in Science (A.S.) degree**- typically ranges from 60-64 credit hours and should parallel the first two years of a science-related baccalaureate degree program.
- There are other specialized Associate transfer degrees in Engineering and Fine Arts (Art and Music).

If you have earned credits through an Associate in Applied Science (A.A.S.) often designated by a (1.2) at the end of a course description (pages 231-354) it will be important to check with the school you plan to attend next.

Whatever your plan, it is best to think about what college and major you would like to transfer to and design your coursework around the requirements of that institution. Academic success advisors are experts on transfer planning and are happy to help!

I WANT TO START WORKING IN MY CHOSEN FIELD.

The **Associate in Applied Science (A.A.S.)** is a degree designed to help students get into their chosen careers with the knowledge and skills needed by specific industries. These programs were created to provide tangible abilities in a field so that you can either find a job or upgrade your current job when you leave CLC.

Many programs also offer **short-term certificates** that can help get you into the workforce quickly. These certificates may cover a specific proficiency or technical ability to give you a jumpstart in the field. Many can be stacked together to work toward a degree.

- **Associate in Applied Science (A.A.S.) degree** – typically ranges from 60-72 credit hours and focuses on real-world career skills.
- **Career Certificates** – typically range from 9-30 credit hours and focus on a specialized skill.

I AM NOT REALLY SURE WHAT I WANT TO DO NEXT.

That is okay! At CLC, academic success advisors and faculty can help you discover your path. If you would like to discuss career interests or talk to someone about taking classes that could work for many degree or certificate options, stop by the Advising Center or visit www.clcillinois.edu/advising.

This catalog is organized by fields of interest. Reading through this information may help spur an idea for you to explore further. For example, you may be interested in the Healthcare field; the Wellness and Health Sciences field of interest offers many options for you to consider.

ASSOCIATE IN ARTS (13AB)

Students may obtain an Associate in Arts degree from the College of Lake County by successfully meeting college requirements and course requirements outlined below.

The College of Lake County is a participant in the Illinois Articulation Initiative (IAI), a major statewide cooperative agreement that eases the transfer process of the completed Illinois General Education Core Curriculum among participating institutions.

COMMUNICATION - 9 CREDIT HOURS

A grade of C or better is required for both ENG courses.

- CMM 121** Fundamentals of Speech (3) **C2 900**
- ENG 121** English Composition I (3) **C1 900**
- ENG 122** English Composition II (3) **C1 901 R OR**
- ENG 126** Advanced Composition: Scientific and Technical Communications (3) **C1 901 R**

SOCIAL AND BEHAVIORAL SCIENCE - 9 CREDIT HOURS

Select courses from at least two different disciplines i.e. different prefixes.

- ANT 121+** Introduction to Anthropology (3) **S1 900N**
- ANT 221+** Cultural Anthropology (3) **S1 901N**
- ANT 222** Introduction to Physical Anthropology (3) **S1 902**
- ANT 224** Introduction to Archaeology (3) **S1 903**
- ANT 228+** Cross-Cultural Relationships (3) **S1 904D**
- ECO 221** Principles of Macroeconomics (3) **S3 901**
- ECO 222** Principles of Microeconomics (3) **S3 902**
- GEG 122** Cultural Geography (3) **S4 900N**
- GEG 123** World Regional Geography (3) **S4 900N**
- GXS 121+** Introduction to Gender Studies (3) **S9 900**
- GXS 229+** Sex, Gender, and Power (3) **S7 904D**
- HST 121+** History of Western Civilization to 1500 (3) **S2 902**
- HST 122+** History of Western Civilization 1500 to Present(3) **S2 903**
- HST 126+** History of Contemporary Non-Western Civilization (3) **S2 905N**

- HST 127+** History of Chinese Culture and Society (3) **S2 920N**
- HST 221** United States History to 1876 (3) **S2 900**
- HST 222** United States History 1876 to Present (3) **S2 901**
- HST 245+** History of Latin America to 1825 (3) **S2 920N**
- HST 246+** History of Latin America from 1825 (3) **S2 920N**
- PSC 121** American National Politics (3) **S5 900**
- PSC 122** State and Local Politics (3) **S5 902**
- PSC 221+** Comparative Political Systems (3) **S5 905**
- PSC 222+** International Relations (3) **S5 904N**
- PSY 121** Introduction to Psychology (3) **S6 900**
- PSY 220** Lifespan Development (3) **S6 902**
- PSY 222** Child Growth and Development (3) **S6 903**
- PSY 225** Social Psychology (3) **S8 900**
- PSY 226** Adolescent Psychology (3) **S6 904**
- SOC 121** Introduction to Sociology (3) **S7 900**
- SOC 222** Social Problems (3) **S7 901**
- SOC 224** Sociology of the Family (3) **S7 902**
- SOC 225+** Class, Race, and Gender (3) **S7 905D**
- SOC 229+** Sex, Gender, and Power (3) **S7 904D**

PHYSICAL AND LIFE SCIENCES - 7 CREDIT HOURS

One course must be selected from Physical Science and one course from Life Science. At least one course must be a laboratory science course (L).

PHYSICAL SCIENCE

- CHM 120L** (LAB) Chemical Concepts (4) **P1 902L**
- CHM 121L** (LAB) General Chemistry I (5) **P1 902L**
- CHM 140** Chemistry for a Changing World (3) **P1 903**
- CHM 142L** (LAB) Chemistry for a Changing World (4) **P1 903L**
- ESC 120L** (LAB) Earth Science (4) **P1 905L**
- ESC 121L** (LAB) Physical Geology (4) **P1 907L**
- ESC 123** Introduction to Meteorology (3) **P1 905**
- ESC 124** Oceanography (3) **P1 905**
- ESC 125** Geology of National Parks (3) **P1 907**

- ESC 127L** (LAB) Introduction to Meteorology (4) **P1 905L**
- ESC 128** Great Mysteries of the Earth (3) **P1 905**
- ESC 129** Severe and Hazardous Weather (3) **P1 905**
- ESC 140L** (LAB) Introduction to Astronomy (4) **P1 906L**
- ESC 141** Introduction to Astronomy (3) **P1 906**
- ESC 224** Environmental Geology (3) **P1 908**
- GEG 120L** (LAB) Physical Geography (4) **P1 909L**
- GEG 121** Physical Geography (3) **P1 909**
- PHY 120L** (LAB) Practical Aspects of Physics (4) **P1 900L**
- PHY 121L** (LAB) General Physics I (5) **P1 900L**
- PHY 123L** (LAB) Physics for Science and Engineering I (5) **P2 900L**

LIFE SCIENCE

- BIO 120L** (LAB) Environmental Biology (4) **L1 905L**
- BIO 123L** (LAB) Principles of Biology (4) **L1 900L**
- BIO 127** Introduction to Evolution (3) **L1 907**
- BIO 140** Environmental Biology without Lab (3) **L1 905**
- BIO 141L** (LAB) Concepts of Biology (4) **L1 900L**
- BIO 149** Genetics and Society (3) **L1 906**
- BIO 161L** (LAB) General Biology I (4) **L1 910L**

MATHEMATICS – 3 CREDIT HOURS

- MTH 127** Finite Mathematics I (3) **M1 906**
- MTH 140** Contemporary Mathematics (3) **M1 904**
- MTH 141** Quantitative Literacy (3) **M1 901**
- MTH 142** General Education Statistics (3) **M1 902**
- MTH 145** Calculus and Analytic Geometry I (5) **M1 900-1**
- MTH 146** Calculus and Analytic Geometry II (4) **M1 900-2**
- MTH 221** Mathematics for Elementary Teaching II (3) **M1 903**
- MTH 222** Business Statistics (4) **M1 902**
- MTH 224** Calculus for Business and Social Science (4) **M1 900-B**
- MTH 244** Discrete Mathematics (3) **M1 905**
- MTH 246** Calculus and Analytic Geometry III (5) **M1 900-3**

**HUMANITIES AND FINE ARTS –
9 CREDIT HOURS**

At least one course must be selected from the Humanities section and one course from the Fine Arts section.

HUMANITIES

- ARA 222+** Intermediate Modern Standard Arabic II (4) **H1 900**
- ASI 121** Introduction to Asian American Studies (3) **H2 909D**
- CHI 222+** Intermediate Chinese II (4) **H1 900**
- ENG 129+** Women in Literature (3) **H3 911D**
- ENG 223** Early American Literature (3) **H3 914**
- ENG 225** Survey of British Literature I (3) **H3 912**
- ENG 226** Survey of British Literature II (3) **H3 913**
- ENG 227** Introduction to Shakespeare (3) **H3 905**
- ENG 228+** World Literature (3) **H3 906**
- ENG 229** 20th Century American Literature (3) **H3 915**
- ENG 241** Introduction to Poetry (3) **H3 903**
- ENG 243** Introduction to Fiction (3) **H3 901**
- ENG 244+** Mythology and Fairy Tales (3) **H9 901**
- ENG 246+** Latin American Writers (3) **H3 908N**
- ENG 247+** International Women Writers (3) **H3 911D**
- ENG 249** Children's Literature (3) **H3 918**
- FRN 222+** Intermediate French II (4) **H1 900**
- FRN 223** French Civilization I (3) **H1 900**
- FRN 224** French Civilization II (3) **H1 900**
- GER 222+** Intermediate German (3) **H1 900**
- HUM 121+** Humanities: Ancient Times to the Middle Ages (3) **HF 902**
- HUM 122+** Humanities: Renaissance to the Present (3) **HF 903**
- HUM 127** Critical Thinking (3) **H4 906**
- HUM 128+** Introduction to Middle-Eastern Civilizations (3) **H2 903 N**
- HUM 129+** Introduction to East Asian Civilization (3) **HF 904 N**
- HUM 141+** World Humanities 20/21st Century (3) **HF 904 N**
- HUM 221+** American Decades (3) **HF 906D**
- HUM 226+** Women and the Arts (3) **HF 907D**

- ITL 222+** Intermediate Italian II (4) **H1 900**
- JPN 222+** Intermediate Japanese II (4) **H1 900**
- LAT 121** Introduction to Latin-American Studies (3) **HF 906D**
- PHI 121** Introduction to Philosophy (3) **H4 900**
- PHI 122** Logic (3) **H4 906**
- PHI 123** Philosophy of Religion (3) **H4 905**
- PHI 125+** Introduction to Ethics (3) **H4 904**
- PHI 126+** World Religions (3) **H5 904N**
- PHI 128** Introduction to Social and Political Philosophy (3) **H4 907**
- PHI 221+** Asian Philosophy (3) **H4 903N**
- SPA 222+** Intermediate Spanish II (4) **H1 900**
- SPA 223+** Spanish Civilization I (3) **H1 900**
- SPA 224+** Spanish Civilization II (3) **H1 900**

FINE ARTS

- ART 121** Introduction to Art (3) **F2 900**
- ART 240+** History of Art I (3) **F2 901**
- ART 241+** History of Art II (3) **F2 902**
- ART 260** History of Photography (3) **F2 904**
- ART 261+** Non-Western Art History (3) **F2 903N**
- DNC 240+** The Art of Dance (3) **F1 906**
- DNC 280+** Dance and Popular Culture (3) **F1 911D**
- HUM 121+** Humanities: Ancient Times to the Middle Ages (3) **HF 902**
- HUM 122+** Humanities: Renaissance to the Present (3) **HF 903**
- HUM 123** Introduction to Film (3) **F2 908**
- HUM 126+** Introduction to the Performing Arts (3) **F9 900**
- HUM 129+** Introduction to East Asian Civilization (3) **HF 904 N**
- HUM 140+** Introduction to International Film (3) **F2 909**
- HUM 141+** World Humanities 20/21st Century (3) **HF 904N**
- HUM 221+** American Decades (3) **HF 906D**
- HUM 222** Film and Society (3) **F2 908**
- HUM 226+** Women and the Arts (3) **HF 907D**
- MUS 124** Music Appreciation (3) **F1 900**
- MUS 224** Music Literature (3) **F1 902**
- THE 121** Introduction to Theatre I (3) **F1 907**
- THE 123+** Diversity in American Theatre (3) **F1 909D**

**INTERNATIONAL/MULTICULTURAL
REQUIREMENTS**

Choose one course with a + following the course number OR one of the following: ASI 121, CMM 127, EDU 224, ENG 263, 264, GXS 221, 299, HST 128, LAT 121, PDS 123, PHI 128, 129, PSY 229, SSI 121. This course can fulfill both the I/M requirement and a Social Science, Humanities, Fine Arts, or Elective requirement. A B.A. degree at many four year colleges may require college level foreign language.

**AREA OF CONCENTRATION/ELECTIVE
REQUIREMENTS - 23 CREDIT HOURS**

- Choose elective courses with a 1.1 (transfer course) PCS code that relate to your intended major. Students should choose electives only after consulting with a college and career navigator or academic success advisor. The PCS code for each course is listed in the course descriptions starting on page 231 of this catalog. Up to twelve hours of courses with a 1.2 (career course) PCS code may be used as general electives in the degree. All 199 courses are exempt from this rule. Students should select these courses only after they have verified their transferability with their academic success advisor or the transfer institution. EDU 999 does not count toward this twelve-hour limit.
- Students may not receive credit towards degree for both CHM 140 and CHM 142, or both BIO 120 and BIO 140, or both ESC 123 and ESC 127.
- Students with credit for both MTH 122 and MTH 123 will not be given credit for MTH 144. Students may not receive credit towards degree for both (MTH 122 and MTH 144) or (MTH 123 and MTH 144).
- Please review lists of recommended courses for individual programs of study listed on pages 55-225 in this catalog.

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**Total A.A. Degree Requirements
60 credit hours****OTHER GRADUATION REQUIREMENTS**

- Completion of CLC 120-College Success Seminar
- Cumulative CLC GPA of 2.00 or higher
- Completion of at least 15 credit hours at CLC
- Request to Graduate:** Students should request to graduate through the Graduation tile in Student Center. Requests should be submitted no later than: Spring- February 15; Summer- July 1; Fall- October 1. Requests to Graduate will be reviewed for graduation eligibility during the term requested. Degrees and certificates are awarded approximately 1-2 weeks after the end of the term.

ASSOCIATE IN SCIENCE (11AB)

The Associate in Science degree is designed to parallel the first two years of a science-related baccalaureate degree program. Students complete freshman and sophomore level courses for majors in such areas as biology, chemistry, physics and related professional fields. Since differences in course requirements exist at different universities and in different science disciplines within the same university, it is important that students work closely with a CLC academic success advisor and their transfer school to choose appropriate courses. Completion of the A.S. degree does not fulfill the requirements of the Illinois Articulation Initiative General Education Core Curriculum (IAI GECC). Many science majors are highly structured and require extensive sequential lower-division mathematics and science courses. In order to take courses required for the major in a similar pattern to those of the freshman and sophomore students at a university, some general education courses are postponed until after transfer. Students then either complete the general education requirements of the transfer institution or are given the opportunity to complete the IAI.

COMMUNICATION - 9 CREDIT HOURS

A grade of C or better is required for both ENG courses.

- CMM 121** Fundamentals of Speech (3) **C2 900**
- ENG 121** English Composition I (3) **C1 900**
- ENG 122** English Composition II (3) **C1 901 R OR**
- ENG 126** Advanced Composition: Scientific and Technical Communications (3) **C1 901 R**

SOCIAL AND BEHAVIORAL SCIENCE - 6 CREDIT HOURS

Select courses from at least two different disciplines i.e. different prefixes.

- ANT 121+** Introduction to Anthropology (3) **S1 900N**
- ANT 221+** Cultural Anthropology (3) **S1 901N**
- ANT 222** Introduction to Physical Anthropology (3) **S1 902**
- ANT 224** Introduction to Archaeology (3) **S1 903**
- ANT 228+** Cross-Cultural Relationships (3) **S1 904D**
- ECO 221** Principles of Macroeconomics (3) **S3 901**
- ECO 222** Principles of Microeconomics (3) **S3 902**

- GEG 122** Cultural Geography (3) **S4 900N**
- GEG 123** World Regional Geography (3) **S4 900N**
- GXS 121+** Introduction to Gender Studies (3) **S9 900**
- GXS 229+** Sex, Gender, and Power (3) **S7 904D**
- HST 121+** History of Western Civilization to 1500 (3) **S2 902**
- HST 122+** History of Western Civilization 1500 to Present(3) **S2 903**
- HST 126+** History of Contemporary Non-Western Civilization (3) **S2 905N**
- HST 127+** History of Chinese Culture and Society (3) **S2 920N**
- HST 221** United States History to 1876 (3) **S2 900**
- HST 222** United States History 1876 to Present (3) **S2 901**
- HST 245+** History of Latin America to 1825 (3) **S2 920N**
- HST 246+** History of Latin America from 1825 (3) **S2 920N**
- PSC 121** American National Politics (3) **S5 900**
- PSC 122** State and Local Politics (3) **S5 902**
- PSC 221+** Comparative Political Systems (3) **S5 905**
- PSC 222+** International Relations (3) **S5 904N**
- PSY 121** Introduction to Psychology (3) **S6 900**
- PSY 220** Lifespan Development (3) **S6 902**
- PSY 222** Child Growth and Development (3) **S6 903**
- PSY 225** Social Psychology (3) **S8 900**
- PSY 226** Adolescent Psychology (3) **S6 904**
- SOC 121** Introduction to Sociology (3) **S7 900**
- SOC 222** Social Problems (3) **S7 901**
- SOC 224** Sociology of the Family (3) **S7 902**
- SOC 225+** Class, Race, and Gender (3) **S7 905D**
- SOC 229+** Sex, Gender, and Power (3) **S7 904D**

PHYSICAL AND LIFE SCIENCES - 11 CREDIT HOURS

One course must be selected from Physical Science and one course from Life Science. Both courses must be IAI and laboratory science courses (L). A third course should be selected from the Physical Science course list or the Life Science course list or the Additional Science course list.

PHYSICAL SCIENCE

- CHM 120L** (LAB) Chemical Concepts (4) **P1 902L**
- CHM 121L** (LAB) General Chemistry I (5) **P1 902L**
- CHM 142L** (LAB) Chemistry for a Changing World (4) **P1 903L**
- ESC 120L** (LAB) Earth Science (4) **P1 905L**
- ESC 121L** (LAB) Physical Geology (4) **P1 907L**
- ESC 127L** (LAB) Introduction to Meteorology (4) **P1 905L**
- ESC 140L** (LAB) Introduction to Astronomy (4) **P1 906L**
- GEG 120L** (LAB) Physical Geography (4) **P1 909L**
- PHY 120L** (LAB) Practical Aspects of Physics (4) **P1 900L**
- PHY 121L** (LAB) General Physics I (5) **P1 900L**
- PHY 123L** (LAB) Physics for Science and Engineering I (5) **P2 900L**

LIFE SCIENCE

- BIO 120L** (LAB) Environmental Biology (4) **L1 905L**
- BIO 123L** (LAB) Principles of Biology (4) **L1 900L**
- BIO 141L** (LAB) Concepts of Biology (4) **L1 900L**
- BIO 161L** (LAB) General Biology I (4) **L1 910L**

ADDITIONAL SCIENCE COURSE LIST

- Any BIO, CHM, ESC, GEG, HRT or PHY course with a 1.1 PCS code, excluding GEG 122 and GEG 123. The PCS code for each course is listed in the course descriptions starting on page 231 of this catalog.

MATHEMATICS – 7 CREDIT HOURS

One course MUST be selected from the courses with an IAI number (shown in bold) in order to meet CLC graduation requirements.

- MTH 121** Mathematics for Elementary Teaching (3)
- MTH 122** College Algebra (5)
- MTH 123** Trigonometry
- MTH 127** Finite Mathematics I (3) **M1 906**
- MTH 144** Precalculus (5)
- MTH 145** Calculus and Analytic Geometry I (5) **M1 900-1**
- MTH 146** Calculus and Analytic Geometry II (4) **M1 900-2**
- MTH 221** Mathematics for Elementary Teaching II (3) **M1 903**
- MTH 222** Business Statistics (4) **M1 902**
- MTH 224** Calculus for Business and Social Science (4) **M1 900-B**

- MTH 227** Ordinary Differential Equations (4)
- MTH 244** Discrete Mathematics (3) **M1 905**
- MTH 246** Calculus and Analytic Geometry III (5) **M1 900-3**

HUMANITIES AND FINE ARTS – 6 CREDIT HOURS

At least one course must be selected from the Humanities section and one course from the Fine Arts section.

HUMANITIES

- ARA 222+** Intermediate Modern Standard Arabic II (4) **H1 900**
- ASI 121** Introduction to Asian American Studies (3) **H2 909D**
- CHI 222+** Intermediate Chinese II (4) **H1 900**
- ENG 129+** Women in Literature (3) **H3 911D**
- ENG 223** Early American Literature (3) **H3 914**
- ENG 225** Survey of British Literature I (3) **H3 912**
- ENG 226** Survey of British Literature II (3) **H3 913**
- ENG 227** Introduction to Shakespeare (3) **H3 905**
- ENG 228+** World Literature (3) **H3 906**
- ENG 229** 20th Century American Literature (3) **H3 915**
- ENG 241** Introduction to Poetry (3) **H3 903**
- ENG 243** Introduction to Fiction (3) **H3 901**
- ENG 244+** Mythology and Fairy Tales (3) **H9 901**
- ENG 246+** Latin American Writers (3) **H3 908N**
- ENG 247+** International Women Writers (3) **H3 911D**
- ENG 249** Children's Literature (3) **H3 918**
- FRN 222+** Intermediate French II (4) **H1 900**
- FRN 223** French Civilization I (3) **H1 900**
- FRN 224** French Civilization II (3) **H1 900**
- GER 222+** Intermediate German II (4) **H1 900**
- HUM 121+** Humanities: Ancient Times to the Middle Ages (3) **HF 902**
- HUM 122+** Humanities: Renaissance to the Present (3) **HF 903**
- HUM 127** Critical Thinking (3) **H4 906**
- HUM 128+** Introduction to Middle-Eastern Civilizations (3) **H2 903 N**
- HUM 129+** Introduction to East Asian Civilization (3) **HF 904 N**
- HUM 141+** World Humanities 20/21 Century (3) **HF 904 N**

- HUM 221+** American Decades (3) **HF 906D**
- HUM 226+** Women and the Arts (3) **HF 907D**
- ITL 222+** Intermediate Italian II (4) **H1 900**
- JPN 222+** Intermediate Japanese II (4) **H1 900**
- LAT 121** Introduction to Latin-American Studies (3) **HF 906D**
- PHI 121** Introduction to Philosophy (3) **H4 900**
- PHI 122** Logic (3) **H4 906**
- PHI 123** Philosophy of Religion (3) **H4 905**
- PHI 125+** Introduction to Ethics (3) **H4 904**
- PHI 126+** World Religions (3) **H5 904N**
- PHI 128** Introduction to Social and Political Philosophy (3) **H4 907**
- PHI 221+** Asian Philosophy (3) **H4 903N**
- SPA 222+** Intermediate Spanish II (4) **H1 900**
- SPA 223+** Spanish Civilization I (3) **H1 900**
- SPA 224+** Spanish Civilization II (3) **H1 900**

FINE ARTS

- ART 121** Introduction to Art (3) **F2 900**
- ART 240+** History of Art I (3) **F2 901**
- ART 241+** History of Art II (3) **F2 902**
- ART 260** History of Photography (3) **F2 904**
- ART 261+** Non-Western Art History (3) **F2 903 N**
- DNC 240+** The Art of Dance (3) **F1 906**
- HUM 121+** Humanities: Ancient Times to the Middle Ages (3) **HF 902**
- HUM 122+** Humanities: Renaissance to the Present (3) **HF 903**
- HUM 123** Introduction to Film (3) **F2 908**
- HUM 126+** Introduction to the Performing Arts (3) **F9 900**
- HUM 129+** Introduction to East Asian Civilization (3) **HF 904 N**
- HUM 140+** Introduction to International Film (3) **F2 909**
- HUM 141+** World Humanities 20/21 Century (3) **HF 904 N**
- HUM 221+** American Decades (3) **HF 906D**
- HUM 222** Film and Society (3) **F2 908**
- HUM 226+** Women and the Arts (3) **HF 907D**
- MUS 124** Music Appreciation (3) **F1 900**
- MUS 224** Music Literature (3) **F1 902**
- THE 121** Introduction to Theatre I (3) **F1 907**
- THE 123+** Diversity in American Theatre (3) **F1 909D**

INTERNATIONAL/MULTICULTURAL REQUIREMENTS

Choose one course with a + following the course number OR one of the following: ASI 121, CMM 127, EDU 224, ENG 263, 264, GXS 221, 299, HST 128, LAT 121, PDS 123, PHI 128, 129, PSY 229, SSI 121. This course can fulfill both the I/M requirement and a Social Science, Humanities, Fine Arts, or Elective requirement.

AREA OF CONCENTRATION/ELECTIVE REQUIREMENTS - 21 CREDIT HOURS

- Choose elective courses with a 1.1 (transfer course) PCS code that relate to your intended major. Students should choose electives only after consulting with an Academic Success Advisor. The PCS code for each course is listed in the course descriptions starting on page 231 of this catalog.
- **Exception:** Up to twelve hours of courses with a 1.2 (career course) PCS code may be used as general electives in the degree. All 199 courses are exempt from this rule. Students should select these courses only after they have verified their transferability with their academic success advisor or the transfer institution. EDU 999 does not count toward this twelve-hour limit.
- Students may not receive credit towards degree for both CHM 140 and CHM 142, or both BIO 120 and BIO 140, or both ESC 123 and ESC 127.
- Students with credit for both MTH 122 and MTH 123 will not be given credit for MTH 144. Students may not receive credit towards degree for both (MTH 122 and MTH 144) or (MTH 123 and MTH 144).
- Please review lists of recommended courses for individual programs of study listed on pages 55-225 in this catalog.

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Total A.S. Degree Requirements 60 credit hours

OTHER GRADUATION REQUIREMENTS

- Completion of CLC 120-College Success Seminar
- Cumulative CLC GPA of 2.00 or higher
- Completion of at least 15 credit hours at CLC
- Request to Graduate:** Students should request to graduate through the Graduation tile in Student Center. Requests should be submitted no later than: Spring- February 15; Summer- July 1; Fall- October 1. Requests to Graduate will be reviewed for graduation eligibility during the term requested. Degrees and certificates are awarded approximately 1-2 weeks after the end of the term.

ASSOCIATE IN ENGINEERING SCIENCE (12AB)

This program is recommended for students pursuing a **B.S. in Engineering**, including any of the various engineering disciplines (e.g. mechanical, electrical, civil, aeronautical, materials, agricultural, biomedical, chemical, and computer, etc.). The program parallels the first two years of engineering programs at most universities accredited by the Accrediting Board for Engineering and Technology (ABET). Four year schools offering a **B.S. in Engineering** include the University of Illinois at Chicago (UIC), Northern Illinois University (NIU), University of Illinois at Urbana-Champaign (UIUC), Illinois Tech (IIT), Bradley, Southern Illinois University (SIU), Northwestern University, Milwaukee School of Engineering (MSOE), Marquette, Purdue, and more. Upon completion of minimum transfer requirements (which vary by four-year school), CLC Engineering students can transfer to complete their B.S degree at a four-year college or university.

This program is also appropriate for students pursuing a **B.S. in Computer Science with an engineering focus**. Four-year schools offering a B.S. in Computer Science with an engineering focus include University of Illinois at Chicago (UIC), University of Illinois at Urbana-Champaign (UIUC College of Engineering), Illinois Tech (IIT), Southern Illinois University at Carbondale (SIUC) and Southern Illinois University at Edwardsville (SIUE). Students desiring a **B.A. or B.S. in Computer Science with a math or liberal arts focus** may want to pursue the program of study recommended under Computer Science (Associate in Science) on page 150.

Since minor differences in course requirements exist at different universities and in different engineering disciplines within the same university, students are strongly advised to meet with a faculty advisor from the Engineering Department or an Academic Success Advisor, and consult the college catalog and an engineering advisor at their intended transfer institution.

COMMUNICATION - 6 CREDIT HOURS

A grade of C or better is required for both ENG courses.

- ENG 121** English Composition I (3) **C1 900**
- ENG 122** English Composition II (3) **C1 901 R OR**
- ENG 126** Advanced Composition: Scientific and Technical Communications (3) **C1 901 R**

SOCIAL/BEHAVIORAL SCIENCES, HUMANITIES AND FINE ARTS - 9 CREDIT HOURS

Select courses from three different disciplines (i.e., different prefixes). At least one course must be selected from the Social and Behavioral Sciences section and one course from either the Humanities or Fine Arts section.

SOCIAL AND BEHAVIORAL SCIENCES

- ANT 121+** Introduction to Anthropology (3) **S1 900N**
- ANT 221+** Cultural Anthropology (3) **S1 901N**
- ANT 222** Introduction to Physical Anthropology (3) **S1 902**
- ANT 224** Introduction to Archaeology (3) **S1 903**
- ANT 228+** Cross-Cultural Relationships (3) **S1 904D**
- ECO 221** Principles of Macroeconomics (3) **S3 901**
- ECO 222** Principles of Microeconomics (3) **S3 902**
- GEG 122** Cultural Geography (3) **S4 900N**
- GEG 123** World Regional Geography (3) **S4 900N**
- GXS 121+** Introduction to Gender Studies (3) **S9 900**
- GXS 229+** Sex, Gender, and Power (3) **S7 904D**
- HST 121+** History of Western Civilization to 1500 (3) **S2 902**
- HST 122+** History of Western Civilization 1500 to Present(3) **S2 903**
- HST 126+** History of Contemporary Non-Western Civilization (3) **S2 905N**
- HST 127+** History of Chinese Culture and Society (3) **S2 920N**
- HST 221** United States History to 1876 (3) **S2 900**
- HST 222** United States History 1876 to Present (3) **S2 901**
- HST 245+** History of Latin America to 1825 (3) **S2 920N**
- HST 246+** History of Latin America from 1825 (3) **S2 920N**
- PSC 121** American National Politics (3) **S5 900**
- PSC 122** State and Local Politics (3) **S5 902**
- PSC 221+** Comparative Political Systems (3) **S5 905**
- PSC 222+** International Relations (3) **S5 904N**
- PSY 121** Introduction to Psychology (3) **S6 900**
- PSY 220** Lifespan Development (3) **S6 902**
- PSY 222** Child Growth and Development (3) **S6 903**

- PSY 225** Social Psychology (3) **S8 900**
- PSY 226** Adolescent Psychology (3) **S6 904**
- SOC 121** Introduction to Sociology (3) **S7 900**
- SOC 222** Social Problems (3) **S7 901**
- SOC 224** Sociology of the Family (3) **S7 902**
- SOC 225+** Class, Race, and Gender (3) **S7 905D**
- SOC 229+** Sex, Gender, and Power (3) **S7 904D**

HUMANITIES

- ARA 222+** Intermediate Modern Standard Arabic II (4) **H1 900**
- ASI 121** Introduction to Asian American Studies (3) **H2 909D**
- CHI 222+** Intermediate Chinese II (4) **H1 900**
- ENG 129+** Women in Literature (3) **H3 911D**
- ENG 223** Early American Literature (3) **H3 914**
- ENG 225** Survey of British Literature I (3) **H3 912**
- ENG 226** Survey of British Literature II (3) **H3 913**
- ENG 227** Introduction to Shakespeare (3) **H3 905**
- ENG 228+** World Literature (3) **H3 906**
- ENG 229** 20th Century American Literature (3) **H3 915**
- ENG 241** Introduction to Poetry (3) **H3 903**
- ENG 243** Introduction to Fiction (3) **H3 901**
- ENG 244+** Mythology and Fairy Tales (3) **H9 901**
- ENG 246+** Latin American Writers (3) **H3 908N**
- ENG 247+** International Women Writers (3) **H3 911D**
- FRN 222+** Intermediate French II (4) **H1 900**
- FRN 223** French Civilization I (3) **H1 900**
- FRN 224** French Civilization II (3) **H1 900**
- GER 222+** Intermediate German II (4) **H1 900**
- HUM 121+** Humanities: Ancient Times to the Middle Ages (3) **HF 902**
- HUM 122+** Humanities: Renaissance to the Present (3) **HF 903**
- HUM 127** Critical Thinking (3) **H4 906**
- HUM 128+** Introduction to Middle-Eastern Civilizations (3) **H2 903 N**
- HUM 129+** Introduction to East Asian Civilization (3) **HF 904 N**
- HUM 141+** World Humanities 20/21st Century (3) **HF 904 N**
- HUM 221+** American Decades (3) **HF 906D**

- HUM 226+** Women and the Arts (3)
HF 907D
- ITL 222+** Intermediate Italian II (4)
H1 900
- JPN 222+** Intermediate Japanese II (4)
H1 900
- PHI 121** Introduction to Philosophy (3) **H4 900**
- PHI 122** Logic (3) **H4 906**
- PHI 123** Philosophy of Religion (3)
H4 905
- PHI 125+** Introduction to Ethics (3)
H4 904
- PHI 126+** World Religions (3) **H5 904N**
- PHI 221+** Asian Philosophy (3) **H4 903N**
- SPA 222+** Intermediate Spanish II (4)
H1 900
- SPA 223+** Spanish Civilization I (3)
H1 900
- SPA 224+** Spanish Civilization II (3)
H1 900

FINE ARTS

- ART 121** Introduction to Art (3) **F2 900**
- ART 240+** History of Art I (3) **F2 901**
- ART 241+** History of Art II (3) **F2 902**
- ART 260** History of Photography (3)
F2 904

- DNC 240+** The Art of Dance (3) **F1 906**
- HUM 121+** Humanities: Ancient Times to the Middle Ages (3) **HF 902**
- HUM 122+** Humanities: Renaissance to the Present (3) **HF 903**
- HUM 123** Introduction to Film (3) **F2 908**
- HUM 126+** Introduction to the Performing Arts (3) **F9 900**
- HUM 129+** Introduction to East Asian Civilization (3) **HF 904 N**
- HUM 140+** Introduction to International Film (3) **F2 909**
- HUM 141+** World Humanities 20/21st Century (3) **HF 904N**
- HUM 221+** American Decades (3)
HF 906D
- HUM 222** Film and Society (3) **F2 908**
- HUM 226+** Women and the Arts (3)
HF 907D
- MUS 124** Music Appreciation (3) **F1 900**
- MUS 224** Music Literature (3) **F1 902**
- THE 121** Introduction to Theatre I (3)
F1 907
- THE 123+** Diversity in American Theatre (3) **F1 909D**

PHYSICAL AND LIFE SCIENCES - 15 CREDIT HOURS

- CHM 121L** (LAB) General Chemistry I (5)
P1 902L
- PHY 123L** (LAB) Physics for Science and Engineering I (5) **P2 900L**
- PHY 124L** (LAB) Physics for Science and Engineering II (5)

MATHEMATICS – 16 CREDIT HOURS

- MTH 145** Calculus and Analytic Geometry I (5) **M1 900-1**
- MTH 146** Calculus and Analytic Geometry II (4) **M1 900-2**
- MTH 227** Ordinary Differential Equations (3) **MTH 912**
- MTH 246** Calculus and Analytic Geometry III (5) **M1 900-3**

MATH COMPUTER SCIENCE – 3 CREDIT HOURS

- MCS 140** Computer Programming for Engineers and Scientists (3) **CS 911**
- OR**
- MCS 141** Computer Science I (3) **CS 911**

INTERNATIONAL/MULTICULTURAL REQUIREMENTS

Choose one course with a + following the course number OR one of the following: ASI 121, CMM 127, EDU 224, ENG 263, 264, GXS 221, 299, HST 128, LAT 121, PDS 123, PHI 128, 129, PSY 229, SSI 121. This course can fulfill both the I/M requirement and a Social Science, Humanities, Fine Arts, or Elective requirement.

AREA OF CONCENTRATION/ELECTIVE REQUIREMENTS - 12 CREDIT HOURS

Choose 12 credit hours from the following courses. See Recommended Area of Concentration/Technical Electives for Specific Engineering Majors below.

- BIO 161** General Biology I **L1 910L** 4
- BIO 244** Anatomy and Physiology I 4
- CHM 123** General Chemistry II **CHM 912** 5
- CHM 222** Organic Chemistry I **CHM 913** 5
- CHM 223** Organic Chemistry II **CHM 914** 5
- EET 223** Introduction to Digital Electronics 4
- EGR 120** Introduction to Engineering 1
- EGR 121** Engineering Design Graphics **EGR 941** 3
- EGR 125** Engineering Statics **EGR 942** 3
- EGR 140** How to Make Almost Anything 3
- EGR 222** Engineering Mechanics of Materials **EGR 945** 3
- EGR 225** Engineering Dynamics **EGR 943** 3
- EGR 260** Introduction to Circuit Analysis **EGR 931L** 4
- EGR 299** Special Topics in Engineering 1-3
- MCS 142** Computer Science II **CS 912** 3
- MCS 240** Computer Organization and Architecture 3
- MTH 225** Introduction to Linear Algebra **MTH 911** 3
- MTH 244** Discrete Mathematics **M1 905** 3
- PHY 221** Physics for Science and Engineering III 4

RECOMMENDED AREA OF CONCENTRATION/TECHNICAL ELECTIVES FOR SPECIFIC ENGINEERING MAJORS:

These are recommended (not required) electives that students can choose from when developing an academic plan of study.

These recommendations align with the IAI Engineering Panel recommendations. Students are strongly recommended to choose courses in consultation with an advisor to meet 4-year engineering school transfer requirements.

General or Undecided:
EGR 120, 121, 125, 225, 260

Aeronautical/Aerospace:
EGR 120, 121, 125, 222, 225, 260

Biomedical Engineering:
EGR 120, 260, CHM 123, BIO 161, 244

Chemical Engineering:
EGR 120, 121, CHM 123, 222, 223

Civil Engineering:
EGR 120, 121, 125, 222, 225

Computer Science:
EGR 120, MCS 141, 142, 240, MTH 244

Electrical/Computer Engineering:
EGR 120, 260, EET 223, MTH 225, 244

Industrial Engineering:
EGR 120, 121, 125, 222, 225

Materials Engineering:
EGR 120, 121, 125, 222, 225

Mechanical Engineering:
EGR 120, 121, 125, 222, 225, 260

Other: Consult with CLC advisor or four-year university

Total A.A. Degree Requirements 61 credit hours

OTHER GRADUATION REQUIREMENTS

- Completion of CLC 120-College Success Seminar
- Cumulative CLC GPA of 2.00 or higher
- Completion of at least 15 credit hours at CLC
- Request to Graduate:** Students should request to graduate through the Graduation tile in Student Center. Requests should be submitted no later than: Spring- February 15; Summer- July 1; Fall- October 1. Requests to Graduate will be reviewed for graduation eligibility during the term requested. Degrees and certificates are awarded approximately 1-2 weeks after the end of the term.

ASSOCIATE IN FINE ARTS IN ART (14AA)

Students may obtain an Associate in Fine Arts in Art degree from the College of Lake County by successfully meeting college requirements and the course requirements outlined below.

The College of Lake County is a participant in the Illinois Articulation Initiative (IAI), a major statewide cooperative agreement that eases the transfer process of the completed Illinois General Education Core.

Curriculum among participating institutions. The Associate in Fine Arts degree, however, is not automatically accepted in whole for transfer at all participating IAI four-year colleges and universities in Illinois; therefore students must work with the institutions in which they intend to transfer to ensure transferability of specific courses.

COMMUNICATION - 9 CREDIT HOURS

A grade of C or better is required for both ENG courses.

- CMM 121** Fundamentals of Speech (3) **C2 900**
- ENG 121** English Composition I (3) **C1 900**
- ENG 122** English Composition II (3) **C1 901 R OR**
- ENG 126** Advanced Composition: Scientific and Technical Communications (3) **C1 901 R**

SOCIAL AND BEHAVIORAL SCIENCE - 6 CREDIT HOURS

Select courses from at least two different disciplines i.e. different prefixes.

- ANT 121+** Introduction to Anthropology (3) **S1 900N**
- ANT 221+** Cultural Anthropology (3) **S1 901N**
- ANT 222** Introduction to Physical Anthropology (3) **S1 902**
- ANT 224** Introduction to Archaeology (3) **S1 903**
- ANT 228+** Cross-Cultural Relationships (3) **S1 904D**
- ECO 221** Principles of Macroeconomics (3) **S3 901**
- ECO 222** Principles of Microeconomics (3) **S3 902**
- GEG 122** Cultural Geography (3) **S4 900N**
- GEG 123** World Regional Geography (3) **S4 900N**

- GXS 121+** Introduction to Gender Studies (3) **S9 900**
- GXS 229+** Sex, Gender, and Power (3) **S7 904D**
- HST 121+** History of Western Civilization to 1500 (3) **S2 902**
- HST 122+** History of Western Civilization 1500 to Present(3) **S2 903**
- HST 126+** History of Contemporary Non-Western Civilization (3) **S2 905N**
- HST 127+** History of Chinese Culture and Society (3) **S2 920N**
- HST 221** United States History to 1876 (3) **S2 900**
- HST 222** United States History 1876 to Present (3) **S2 901**
- HST 245+** History of Latin America to 1825 (3) **S2 920N**
- HST 246+** History of Latin America from 1825 (3) **S2 920N**
- PSC 121** American National Politics (3) **S5 900**
- PSC 122** State and Local Politics (3) **S5 902**
- PSC 221+** Comparative Political Systems (3) **S5 905**
- PSC 222+** International Relations (3) **S5 904N**
- PSY 121** Introduction to Psychology (3) **S6 900**
- PSY 220** Lifespan Development (3) **S6 902**
- PSY 222** Child Growth and Development (3) **S6 903**
- PSY 225** Social Psychology (3) **S8 900**
- PSY 226** Adolescent Psychology (3) **S6 904**
- SOC 121** Introduction to Sociology (3) **S7 900**
- SOC 222** Social Problems (3) **S7 901**
- SOC 224** Sociology of the Family (3) **S7 902**
- SOC 225+** Class, Race, and Gender (3) **S7 905D**
- SOC 229+** Sex, Gender, and Power (3) **S7 904D**

PHYSICAL AND LIFE SCIENCES - 7 CREDIT HOURS

One course must be selected from Physical Science and one course from Life Science. At least one course must be a laboratory science course (L).

PHYSICAL SCIENCE

- CHM 120L** (LAB) Chemical Concepts (4) **P1 902L**
- CHM 121L** (LAB) General Chemistry I (5) **P1 902L**
- CHM 140** Chemistry for a Changing World (3) **P1 903**

- CHM 142L** (LAB) Chemistry for a Changing World (4) **P1 903L**
- ESC 120L** (LAB) Earth Science (4) **P1 905L**
- ESC 121L** (LAB) Physical Geology (4) **P1 907L**
- ESC 123** Introduction to Meteorology (3) **P1 905**
- ESC 124** Oceanography (3) **P1 905**
- ESC 125** Geology of National Parks (3) **P1 907**
- ESC 127L** (LAB) Introduction to Meteorology (4) **P1 905L**
- ESC 128** Great Mysteries of the Earth (3) **P1 905**
- ESC 129** Severe and Hazardous Weather (3) **P1 905**
- ESC 140L** (LAB) Introduction to Astronomy (4) **P1 906L**
- ESC 141** Introduction to Astronomy (3) **P1 906**
- ESC 224** Environmental Geology (3) **P1 908**
- GEG 120L** (LAB) Physical Geography (4) **P1 909L**
- GEG 121** Physical Geography (3) **P1 909**
- PHY 120L** (LAB) Practical Aspects of Physics (4) **P1 900L**
- PHY 121L** (LAB) General Physics I (5) **P1 900L**
- PHY 123L** (LAB) Physics for Science and Engineering I (5) **P2 900L**

LIFE SCIENCE

- BIO 120L** (LAB) Environmental Biology (4) **L1 905L**
- BIO 123L** (LAB) Principles of Biology (4) **L1 900L**
- BIO 127** Introduction to Evolution (3) **L1 907**
- BIO 140** Environmental Biology without Lab (3) **L1 905**
- BIO 141L** (LAB) Concepts of Biology (4) **L1 900L**
- BIO 149** Genetics and Society (3) **L1 906**
- BIO 161L** (LAB) General Biology I (4) **L1 910L**

MATHEMATICS – 3 CREDIT HOURS

- MTH 127** Finite Mathematics I (3) **M1 906**
- MTH 140** Contemporary Mathematics (3) **M1 904**
- MTH 141** Quantitative Literacy (3) **M1 901**
- MTH 142** General Education Statistics (3) **M1 902**
- MTH 145** Calculus and Analytic Geometry I (5) **M1 900-1**
- MTH 146** Calculus and Analytic Geometry II (4) **M1 900-2**

- MTH 221** Mathematics for Elementary Teaching II (3) **M1 903**
- MTH 222** Business Statistics (4) **M1 902**
- MTH 224** Calculus for Business and Social Science (4) **M1 900-B**
- MTH 244** Discrete Mathematics (3) **M1 905**
- MTH 246** Calculus and Analytic Geometry III (5) **M1 900-3**

HUMANITIES AND FINE ARTS – 6 CREDIT HOURS

At least one course must be selected from the Humanities section and one course from the Fine Arts section.

HUMANITIES

- ARA 222+** Intermediate Modern Standard Arabic II (4) **H1 900**
- ASI 121** Introduction to Asian American Studies (3) **H2 909D**
- CHI 222+** Intermediate Chinese II (4) **H1 900**
- ENG 129+** Women in Literature (3) **H3 911D**
- ENG 223** Early American Literature (3) **H3 914**
- ENG 225** Survey of British Literature I (3) **H3 912**
- ENG 226** Survey of British Literature II (3) **H3 913**
- ENG 227** Introduction to Shakespeare (3) **H3 905**
- ENG 228+** World Literature (3) **H3 906**
- ENG 229** 20th Century American Literature (3) **H3 915**
- ENG 241** Introduction to Poetry (3) **H3 903**
- ENG 243** Introduction to Fiction (3) **H3 901**
- ENG 244+** Mythology and Fairy Tales (3) **H9 901**
- ENG 246+** Latin American Writers (3) **H3 908N**
- ENG 247+** International Women Writers (3) **H3 911D**
- ENG 249** Children's Literature (3) **H3 918**
- FRN 222+** Intermediate French II (4) **H1 900**
- FRN 223** French Civilization I (3) **H1 900**
- FRN 224** French Civilization II (3) **H1 900**
- GER 222+** Intermediate German (3) **H1 900**
- HUM 121+** Humanities: Ancient Times to the Middle Ages (3) **HF 902**
- HUM 122+** Humanities: Renaissance to the Present (3) **HF 903**
- HUM 127** Critical Thinking (3) **H4 906**

- HUM 128+** Introduction to Middle-Eastern Civilizations (3) **H2 903 N**
- HUM 129+** Introduction to East Asian Civilization (3) **HF 904 N**
- HUM 141+** World Humanities 20/21 Century (3) **HF 904 N**
- HUM 221+** American Decades (3) **HF 906D**
- HUM 226+** Women and the Arts (3) **HF 907D**
- ITL 222+** Intermediate Italian II (4) **H1 900**
- JPN 222+** Intermediate Japanese II (4) **H1 900**
- LAT 121** Introduction to Latin-American Studies (3) **HF 906D**
- PHI 121** Introduction to Philosophy (3) **H4 900**
- PHI 122** Logic (3) **H4 906**
- PHI 123** Philosophy of Religion (3) **H4 905**
- PHI 125+** Introduction to Ethics (3) **H4 904**
- PHI 126+** World Religions (3) **H5 904N**
- PHI 128** Introduction to Social and Political Philosophy (3) **H4 907**
- PHI 221+** Asian Philosophy (3) **H4 903N**
- SPA 222+** Intermediate Spanish II (4) **H1 900**
- SPA 223+** Spanish Civilization I (3) **H1 900**
- SPA 224+** Spanish Civilization II (3) **H1 900**

FINE ARTS

- ART 121** Introduction to Art (3) **F2 900**
- ART 260** History of Photography (3) **F2 904**
- ART 261+** Non-Western Art History (3) **F2 903N**
- DNC 240+** The Art of Dance (3) **F1 906**
- HUM 121+** Humanities: Ancient Times to the Middle Ages (3) **HF 902**
- HUM 122+** Humanities: Renaissance to the Present (3) **HF 903**
- HUM 123** Introduction to Film (3) **F2 908**
- HUM 126+** Introduction to the Performing Arts (3) **F9 900**
- HUM 129+** Introduction to East Asian Civilization (3) **HF 904 N**
- HUM 140+** Introduction to International Film (3) **F2 909**
- HUM 141+** World Humanities 20/21 Century (3) **HF 904 N**
- HUM 221+** American Decades (3) **HF 906D**
- HUM 222** Film and Society (3) **F2 908**
- HUM 226+** Women and the Arts (3) **HF 907D**
- MUS 124** Music Appreciation (3) **F1 900**

- MUS 224** Music Literature (3) **F1 902**
- THE 121** Introduction to Theatre I (3) **F1 907**
- THE 123+** Diversity in American Theatre (3) **F1 909D**

AREA OF CONCENTRATION/ELECTIVE REQUIREMENTS - 30 CREDIT HOURS

ART CORE - 21 CREDIT HOURS

- ART 122** Two Dimensional Design (3)
- ART 124** Drawing I (3)
- ART 127** Drawing II (3)
- ART 221** Three Dimensional Design (3)
- ART 225** Figure Drawing (3)
- ART 240+** History of Art I (3) **F2 901**
- ART 241+** History of Art II (3) **F2 902**

ART STUDIO ELECTIVES- 9 CREDIT HOURS

- ART 123** Color and Design Techniques (3)
- ART 129** Photography I (3)
- ART 149** Digital Photography I (3)
- ART 222** Computer Art I (3)
- ART 223** Sculpture I (3)
- ART 224** Painting I (3)
- ART 226** Ceramics I (3)
- ART 227** Painting II (3)
- ART 228** Sculpture II (3)
- ART 229** Photography II (3)
- ART 245** Jewelry I (3)
- ART 246** Ceramics II (3)
- ART 247** Ceramics III (3)
- ART 249** Digital Photography II (3)

INTERNATIONAL/MULTICULTURAL REQUIREMENTS

Choose one course with a + following the course number OR one of the following: ASI 121, CMM 127, EDU 224, ENG 263, 264, GXS 221, 299, HST 128, LAT 121, PDS 123, PHI 128, 129, PSY 229, SSI 121. This course can fulfill both the I/M requirement and a Social Science, Humanities, Fine Arts, or Elective requirement.

Total A.F.A. in Art Degree Requirements 61 credit hours

OTHER GRADUATION REQUIREMENTS

- Completion of CLC 120-College Success Seminar
- Cumulative CLC GPA of 2.00 or higher
- Completion of at least 15 credit hours at CLC
- Request to Graduate:** Students should request to graduate through the Graduation tile in Student Center. Requests should be submitted no later than: Spring- February 15; Summer- July 1; Fall- October 1. Requests to Graduate will be reviewed for graduation eligibility during the term requested. Degrees and certificates are awarded approximately 1-2 weeks after the end of the term.

ASSOCIATE IN FINE ARTS IN MUSIC (16AB)

Students may obtain an Associate in Fine Arts in Music Performance degree from the College of Lake County by successfully meeting college requirements and the course requirements outlined below.

The College of Lake County is a participant in the Illinois Articulation Initiative (IAI), a major statewide cooperative agreement that eases the transfer process of the completed Illinois General Education Core Curriculum among participating institutions. The Associate in Fine Arts degree, however, is not automatically accepted in whole for transfer at all participating IAI four-year colleges and universities in Illinois; therefore students must work with the institutions in which they intend to transfer to ensure transferability of specific courses.

COMMUNICATION - 9 CREDIT HOURS

A grade of C or better is required for both ENG courses.

- CMM 121** Fundamentals of Speech (3) **C2 900**
- ENG 121** English Composition I (3) **C1 900**
- ENG 122** English Composition II (3) **C1 901 R OR**
- ENG 126** Advanced Composition: Scientific and Technical Communications (3) **C1 901 R**

SOCIAL AND BEHAVIORAL SCIENCE - 3 CREDIT HOURS

- ANT 121+** Introduction to Anthropology (3) **S1 900N**
- ANT 221+** Cultural Anthropology (3) **S1 901N**
- ANT 222** Introduction to Physical Anthropology (3) **S1 902**
- ANT 224** Introduction to Archaeology (3) **S1 903**
- ANT 228+** Cross-Cultural Relationships (3) **S1 904D**
- ECO 221** Principles of Macroeconomics (3) **S3 901**
- ECO 222** Principles of Microeconomics (3) **S3 902**
- GEG 122** Cultural Geography (3) **S4 900N**
- GEG 123** World Regional Geography (3) **S4 900N**
- GXS 121+** Introduction to Gender Studies (3) **S9 900**
- GXS 229+** Sex, Gender, and Power (3) **S7 904D**
- HST 121+** History of Western Civilization to 1500 (3) **S2 902**

- HST 122+** History of Western Civilization 1500 to Present(3) **S2 903**
- HST 126+** History of Contemporary Non-Western Civilization (3) **S2 905N**
- HST 127+** History of Chinese Culture and Society (3) **S2 920N**
- HST 221** United States History to 1876 (3) **S2 900**
- HST 222** United States History 1876 to Present (3) **S2 901**
- HST 245+** History of Latin America to 1825 (3) **S2 920N**
- HST 246+** History of Latin America from 1825 (3) **S2 920N**
- PSC 121** American National Politics (3) **S5 900**
- PSC 122** State and Local Politics (3) **S5 902**
- PSC 221+** Comparative Political Systems (3) **S5 905**
- PSC 222+** International Relations (3) **S5 904N**
- PSY 121** Introduction to Psychology (3) **S6 900**
- PSY 220** Lifespan Development (3) **S6 902**
- PSY 222** Child Growth and Development (3) **S6 903**
- PSY 225** Social Psychology (3) **S8 900**
- PSY 226** Adolescent Psychology (3) **S6 904**
- SOC 121** Introduction to Sociology (3) **S7 900**
- SOC 222** Social Problems (3) **S7 901**
- SOC 224** Sociology of the Family (3) **S7 902**
- SOC 225+** Class, Race, and Gender (3) **S7 905D**
- SOC 229+** Sex, Gender, and Power (3) **S7 904D**

PHYSICAL AND LIFE SCIENCES - 7 CREDIT HOURS

One course must be selected from Physical Science and one course from Life Science. At least one course must be a laboratory science course (L).

PHYSICAL SCIENCE

- CHM 120L** (LAB) Chemical Concepts (4) **P1 902L**
- CHM 121L** (LAB) General Chemistry I (5) **P1 902L**
- CHM 140** Chemistry for a Changing World (3) **P1 903**
- CHM 142L** (LAB) Chemistry for a Changing World (4) **P1 903L**
- ESC 120L** (LAB) Earth Science (4) **P1 905L**
- ESC 121L** (LAB) Physical Geology (4) **P1 907L**
- ESC 123** Introduction to Meteorology (3) **P1 905**

- ESC 124** Oceanography (3) **P1 905**
- ESC 125** Geology of National Parks (3) **P1 907**
- ESC 127L** (LAB) Introduction to Meteorology (4) **P1 905L**
- ESC 128** Great Mysteries of the Earth (3) **P1 905**
- ESC 129** Severe and Hazardous Weather (3) **P1 905**
- ESC 140L** (LAB) Introduction to Astronomy (4) **P1 906L**
- ESC 141** Introduction to Astronomy (3) **P1 906**
- ESC 224** Environmental Geology (3) **P1 908**
- GEG 120L** (LAB) Physical Geography (4) **P1 909L**
- GEG 121** Physical Geography (3) **P1 909**
- PHY 120L** (LAB) Practical Aspects of Physics (4) **P1 900L**
- PHY 121L** (LAB) General Physics I (5) **P1 900L**
- PHY 123L** (LAB) Physics for Science and Engineering I (5) **P2 900L**

LIFE SCIENCE

- BIO 120L** (LAB) Environmental Biology (4) **L1 905L**
- BIO 123L** (LAB) Principles of Biology (4) **L1 900L**
- BIO 127** Introduction to Evolution (3) **L1 907**
- BIO 140** Environmental Biology without Lab (3) **L1 905**
- BIO 141L** (LAB) Concepts of Biology (4) **L1 900L**
- BIO 149** Genetics and Society (3) **L1 906**
- BIO 161L** (LAB) General Biology I (4) **L1 910L**

MATHEMATICS – 3 CREDIT HOURS

- MTH 127** Finite Mathematics I (3) **M1 906**
- MTH 140** Contemporary Mathematics (3) **M1 904**
- MTH 141** Quantitative Literacy (3) **M1 901**
- MTH 142** General Education Statistics (3) **M1 902**
- MTH 145** Calculus and Analytic Geometry I (5) **M1 900-1**
- MTH 146** Calculus and Analytic Geometry II (4) **M1 900-2**
- MTH 221** Mathematics for Elementary Teaching II (3) **M1 903**
- MTH 222** Business Statistics (4) **M1 902**
- MTH 224** Calculus for Business and Social Science (4) **M1 900-B**
- MTH 244** Discrete Mathematics (3) **M1 905**
- MTH 246** Calculus and Analytic Geometry III (5) **M1 900-3**

**HUMANITIES AND FINE ARTS –
6 CREDIT HOURS**

At least one course must be selected from the Humanities section and one course from the Fine Arts section.

HUMANITIES

- ARA 222+** Intermediate Modern Standard Arabic II (4) **H1 900**
- ASI 121** Introduction to Asian American Studies (3) **H2 909D**
- CHI 222+** Intermediate Chinese II (4) **H1 900**
- ENG 129+** Women in Literature (3) **H3 911D**
- ENG 223** Early American Literature (3) **H3 914**
- ENG 225** Survey of British Literature I (3) **H3 912**
- ENG 226** Survey of British Literature II (3) **H3 913**
- ENG 227** Introduction to Shakespeare (3) **H3 905**
- ENG 228+** World Literature (3) **H3 906**
- ENG 229** 20th Century American Literature (3) **H3 915**
- ENG 241** Introduction to Poetry (3) **H3 903**
- ENG 243** Introduction to Fiction (3) **H3 901**
- ENG 244+** Mythology and Fairy Tales (3) **H9 901**
- ENG 246+** Latin American Writers (3) **H3 908N**
- ENG 247+** International Women Writers (3) **H3 911D**
- ENG 249** Children's Literature (3) **H3 918**
- FRN 222+** Intermediate French II (4) **H1 900**
- FRN 223** French Civilization I (3) **H1 900**
- FRN 224** French Civilization II (3) **H1 900**
- GER 222+** Intermediate German II (4) **H1 900**
- HUM 121+** Humanities: Ancient Times to the Middle Ages (3) **HF 902**
- HUM 122+** Humanities: Renaissance to the Present (3) **HF 903**
- HUM 127** Critical Thinking (3) **H4 906**
- HUM 128+** Introduction to Middle-Eastern Civilizations (3) **H2 903 N**
- HUM 129+** Introduction to East Asian Civilization (3) **HF 904 N**
- HUM 141+** World Humanities 20/21 Century (3) **HF 904 N**
- HUM 221+** American Decades (3) **HF 906D**
- HUM 226+** Women and the Arts (3) **HF 907D**
- ITL 222+** Intermediate Italian II (4) **H1 900**
- ITL 223** Italian Civilization I (3) **H1 900**
- JPN 222+** Intermediate Japanese II (4) **H1 900**
- PHI 121** Introduction to Philosophy (3) **H4 900**

- LAT 121** Introduction to Latin-American Studies (3) **HF 906D**
- PHI 122** Logic (3) **H4 906**
- PHI 123** Philosophy of Religion (3) **H4 905**
- PHI 125+** Introduction to Ethics (3) **H4 904**
- PHI 126+** World Religions (3) **H5 904N**
- PHI 128** Introduction to Social and Political Philosophy (3) **H4 907**
- PHI 221+** Asian Philosophy (3) **H4 903N**
- SPA 222+** Intermediate Spanish II (4) **H1 900**
- SPA 223+** Spanish Civilization I (3) **H1 900**
- SPA 224+** Spanish Civilization II (3) **H1 900**

FINE ARTS

- ART 121** Introduction to Art (3) **F2 900**
- ART 240+** History of Art I (3) **F2 901**
- ART 241+** History of Art II (3) **F2 902**
- ART 260** History of Photography (3) **F2 904**
- ART 261+** Non-Western Art History (3) **F2 903 N**
- DNC 240+** The Art of Dance (3) **F1 906**
- HUM 121+** Humanities: Ancient Times to the Middle Ages (3) **HF 902**
- HUM 122+** Humanities: Renaissance to the Present (3) **HF 903**
- HUM 123** Introduction to Film (3) **F2 908**
- HUM 126+** Introduction to the Performing Arts (3) **F9 900**
- HUM 129+** Introduction to East Asian Civilization (3) **HF 904 N**
- HUM 140+** Introduction to International Film (3) **F2 909**
- HUM 141+** World Humanities 20/21 Century (3) **HF 904 N**
- HUM 221+** American Decades (3) **HF 906D**
- HUM 222** Film and Society (3) **F2 908**
- HUM 226+** Women and the Arts (3) **HF 907D**
- THE 121** Introduction to Theatre I (3) **F1 907**
- THE 123+** Diversity in American Theatre (3) **F1 909D**

**AREA OF CONCENTRATION/ELECTIVE
REQUIREMENTS - 35 CREDIT HOURS****MUSIC THEORY - 12 CREDIT HOURS**

- MUS 128** Theory of Music I (3)
- MUS 129** Theory of Music II (3)
- MUS 228** Theory of Music III (3)
- MUS 229** Theory of Music IV (3)

AURAL SKILLS - 4 CREDIT HOURS

- MUS 125** Aural Skills I (1)
- MUS 126** Aural Skills II (1)
- MUS 225** Aural Skills III (1)
- MUS 226** Aural Skills IV (1)

KEYBOARD SKILLS - 4 CREDIT HOURS

- MUS 145** Piano Class I (1)
- MUS 146** Piano Class II (1)
- MUS 245** Piano Class III (1)
- MUS 246** Piano Class IV (1)

ENSEMBLE - 4 CREDIT HOURS

- MUS 120** Vocal Ensembles (1)
- MUS 123** Wind Ensemble (1)
- MUS 223** Jazz Ensemble (1)

MUSIC HISTORY - 3 CREDIT HOURS

- MUS 224** Music Literature (3)

APPLIED INSTRUCTION - 8 HOURS

Choose 4 credit hours from the same 100 level course and 4 credit hours from the same 200 level course. All 8 credit hours must be taken in voice or in one major instrument.

- MUS 141** Applied Music-Voice I (1-2) *and*
- MUS 241** Applied Music-Voice II (1-2)
- MUS 143** Applied Music Piano I (1-2) *and*
- MUS 243** Applied Music-Piano II (1-2)
- MUS 144** Applied Music Jazz Piano I (1-2) *and*
- MUS 244** Applied Music-Jazz Piano II (1-2)
- MUS 160-188** Applied Music Instrument I (1-2) *and*
- MUS 260-288** Applied Music Instrument II (1-2)

**INTERNATIONAL/MULTICULTURAL
REQUIREMENTS**

Choose one course with a + following the course number OR one of the following: ASI 121, CMM 127, EDU 224, ENG 263, 264, GXS 221, 299, HST 128, LAT 121, PDS 123, PHI 128, 129, PSY 229, SSI 121. This course can fulfill both the I/M requirement and a Social Science, Humanities, Fine Arts, or Elective requirement.

**Total A.F.A. in Music Degree
Requirements - 63 credit hours****OTHER GRADUATION REQUIREMENTS**

- Completion of CLC 120-College Success Seminar
- Cumulative CLC GPA of 2.00 or higher
- Completion of at least 15 credit hours at CLC
- Request to Graduate: Students should request to graduate through the Graduation tile in Student Center. Requests should be submitted no later than: Spring- February 15; Summer- July 1; Fall- October 1. Requests to Graduate will be reviewed for graduation eligibility during the term requested. Degrees and certificates are awarded approximately 1-2 weeks after the end of the term.

DEGREE OR CERTIFICATE

Students who come to the College of Lake County in order to earn credits that are transferable to a four-year college or university will find a wide range of programs designed to prepare them for work at the junior level. These programs lead either to an Associate in Arts (A.A.), an Associate in Science (A.S.), an Associate in Engineering Science (A.E.S.), or an Associate in Fine Arts (A.F.A.) degree at CLC. Classes in these programs are comparable to those offered in the first two years at a four-year institution.

Students are urged to select the college where they would like to transfer and design their program to meet the requirements of that institution. For specific information on which courses are transferable to a given college or university, students should consult the Advising Center.

Many students are working to gain skills and knowledge in a field in order to find a job in that career area when they leave CLC. Other career students enroll in a two-year program that leads to an Associate in Applied Science degree (A.A.S.) or a shorter sequence that leads to a certificate. See page 53 for more information.

Trained and skilled individuals are needed to meet increasingly exacting qualifications in many fields. Career programs prepare students to step directly into this fast-moving age of technological change. The college currently offers over 40 specialized career programs, many of which are available both day and evening.

DEVELOPMENTAL EDUCATION

CLC is committed to helping students develop the skills that are needed for college-level courses and programs. Because of this commitment, the college requires that all new students meet the language and mathematics requirements specified as prerequisites for college-level courses.

Students who need to review or develop their language or mathematics skills are encouraged to enroll in one or more of the skills enhancement courses until they develop college-level skills in reading, writing and/or mathematics.

Students who need work in all three areas will be limited to courses that do not require college-level reading, writing and mathematics.

Students for whom English is their second language and have not achieved language proficiency are required to enroll in academic ESL classes such as ELI 100, 101, 102, 103, 104, 105, 106, 107 and 108. Placement in a specific course depends on ESL placement test scores (COMPASS) and recommendations of faculty.

Entrance Requirements for Developmental Courses**English**

Students who do not achieve the lowest minimum score on the CLC English Placement Test will be REQUIRED to see an Academic Success Advisor before registering for classes and may not be eligible to register for developmental English courses. Students may be eligible to register for courses that do not require College Reading and Writing Readiness but will need to see an Academic Success Advisor prior to registration.

Mathematics

Students who do not achieve the lowest minimum score on the CLC Math Placement Test for entrance into any mathematics course will be REQUIRED to see an Academic Success Advisor before registering for classes and may not be eligible to register for developmental math courses. Students may be eligible to register for courses that do not require Basic Algebra Readiness but will need to see an Academic Success Advisor prior to registration.

Options

Students scoring below the minimum proficiency scores may be eligible to retest in an effort to demonstrate math or language ability. Students should see an Academic Success Advisor for a detailed explanation of retest options.

Testing

One way students may show College Reading and Writing Readiness and Basic Algebra Readiness is by taking the CLC Placement Test, administered by the Testing Center. For information on other ways to show College Reading and Writing Readiness and Basic Algebra Readiness, see pages 12-15. Placement testing includes a Language Skills test and/or a Mathematics test. These tests are administered at all three CLC Testing Centers. Please call for further information:

Grayslake Campus, Grayslake: (847) 543-2076

Lakeshore Campus, Waukegan: (847) 543-2120

Southlake Campus, Vernon Hills: (847) 543-6544

ADULT EDUCATION AND ESL

Free Adult Education classes are intended for people who live in Lake County or work full time in Lake County. They are not appropriate for students with B1, B2, F1, F2, J1 or J2 visas, nor are they appropriate for short term visitors to the U.S. In general, students must be at least 18 years old in order to enroll in Adult Education classes. However, 16- and 17-year-olds may register with an official Secondary School Reference Form signed by their local high school authorized representative. U.S. high school graduates and 16-year-olds must meet additional eligibility requirements. New students must attend an orientation session before attending classes. The Adult Education and ESL division provides several specific types of educational opportunities and is funded in part by grants from the federal government representing 12 percent of the total cost of the program. For more information contact Adult Education and ESL Division, (847) 543-2485 or adulttesting@clcillinois.edu.

Adult Basic Education

Adult Basic Education (ABE) provides individualized and class instruction in reading, general language development, writing, mathematics and workforce skills. Students proceed at their own pace.

Adult Secondary Education

Adult Secondary Education (ASE) classes prepare Lake County adults who have not completed high school to take a high school equivalency exam (GED, HiSET or TASC). In addition to the high school equivalency exam, students must pass the Constitution Test before they are awarded a high school equivalency certificate. Exam and classes are offered in English and Spanish.

English as a Second Language

English as a Second Language (ESL) classes are for students whose primary language is not English. Speaking, listening, reading, writing, digital literacy and workforce skills are taught. Students may enroll at the beginning, intermediate or advanced level.

Step Up Program

Step Up helps adult education students prepare for college, succeed in college and find a career and job. Students begin with an introduction to a career field through a pre-bridge and bridge program, they then step up to a CLC ICAPS program and move on to find a career or job. For more information contact Adult Education Student Success (847) 543-2024, (847) 543-2021 or AED.StudentSuccess@clcillinois.edu.

Prebridge and Bridge Programs

Prebridge (PBRA) and Bridge Programs (BRGA) are offered for Adult Education students who are interested in pursuing a career in healthcare, manufacturing, computer information technology, criminal justice, administrative management and technology or early childhood education. The curriculum familiarizes students with the terminology, skills and standard practices of their field of interest.

Students who enroll in PBRA or BRGA are required to meet certain prerequisites such as qualifying for the program with a TABE placement test score.

ICAPS Programs

The ICAPS program facilitates the transition from adult education to college and allows students to earn a career certificate in one year or less. Students interested in the ICAPS program must meet the career program's requirements as well as apply and get accepted into the ICAPS program. Students accepted into the ICAPS program receive academic support, guidance on job seeking and opportunities to apply for financial aid or scholarships.

TYPES OF COURSES

Blended Courses

Blended courses (including hybrid courses) offer instruction that is partially taught online and partially taught on-campus. Not all blended courses are configured the same. Blended courses have varying online and on campus schedules. For example, some courses have mostly online content with a few face-to-face classes, and some meet on campus weekly and include an online component of the class. A blended course is indicated in the class schedule as a 600 section class.

The benefits of blended courses are that they offer the flexibility of an online class, but still allow for face-to-face interaction with your instructor and peers. However, many of the same tips for success for online courses still apply. Blended courses are offered by all academic divisions. For more information visit www.clcillinois.edu/online.

Online Courses

The college offers online courses to accommodate the active schedules of CLC students. Courses for transfer and career programs are available to meet graduation goals toward the A.A., A.S., A.A.S. and A.G.S. degrees and certificates online via the Canvas course management system.

Technical requirements include Internet access through a browser to connect to your course through the MyCLC Portal. An online course is indicated in the class schedule as an 800 section class.

The structure for each course is different based on the area of study with student success in mind. Please be mindful that online courses are not for everyone, as the need for self-motivation, time management skills and the ability to work independently are key factors to successful course completion. To prepare for your first online course, online readiness tools and resources are available to ensure students are set up for success. For more information, visit www.clcillinois.edu/online.

Modular Instruction

Students wishing to improve basic skills in writing can do so by enrolling in a module. These individualized, structured programs of study permit students to work at their own pace. Modules are available at the Grayslake, Lakeshore and Southlake campuses.

ENG 104 Individualized Topics in Writing and Reading

Contact any tutoring center for more information.

Education Abroad

As a means of promoting international education among its students, CLC offers both short term and long term education abroad programs. These programs provide students an opportunity to enhance their understanding of other cultures, as well as their own, and gain an invaluable global perspective.

Short term education abroad programs are typically two to three weeks in duration and take place during Spring Intersession (mid to late May) or Winter Intersession (December-January). Destinations vary each year. Programs are led by experienced CLC faculty and provide students the chance to earn 3-6 CLC credits.

Students interested in residing and studying in another country for a longer period of time may participate in a semester abroad program offered through CLC or the Illinois Consortium for International Studies and Programs (ICISP). Students may choose from a program in Kunming, China; Canterbury, England; Salzburg, Austria; Carlow, Ireland; Seville, Spain; Hyderabad, India; Dijon, France or San Jose, Costa Rica. The curriculum for these programs

emphasizes courses in art, foreign language, history, humanities, literature and music. All courses may be used to fulfill graduation requirements or as electives in transfer degree programs.

Financial aid for qualified persons may be applied toward the cost of education abroad programs at CLC.

For more information about education abroad programs offered at CLC, through ICISP or other study abroad organizations, contact the Center for International Education at jcushing@clcillinois.edu or (847) 543-2733.

Field Experiences

In addition to providing education in the classroom, lecture hall and laboratory, CLC faculty members also teach courses "in the field." Faculty lead field study and travel courses for a variety of art, biology, geology, history and humanities courses to locations such as Door County or the Appalachian Trail. See the current class schedule for more information about which field study courses are being offered in a given semester.

Honors Program

The Honors Program is dedicated to providing students with opportunities to enrich their academic and community experiences and to reflect the diversity of the college community as a whole.

Honors work emphasizes independence and critical thinking skills. Students can anticipate challenging types of assignments, research with primary sources, increased group activity and opportunities to take on leadership roles inside and outside of the classroom. The following criteria are used to determine acceptance into the Honors Program:

- Completion of Honors application form
- Unofficial high school and/or college transcripts

In addition, students must meet either of the following criteria to be admitted into the Honors Program.

Required:

- A high school GPA of 3.5/4.0 or
- A college GPA of 3.5/4.0 (with a minimum of 12 academic credit hours)

For questions about honors coursework or program requirements, please contact Nick Schevera at (847) 543-2959 or nschevera@clcillinois.edu.

NON-CREDIT OPPORTUNITIES

Workforce and Professional Development Institute:

The **Workforce and Professional Development Institute (WPDI)** offers training, short-term courses, workshops and coaching for businesses, employees and individuals through Professional Development, Talent Development Services and the Illinois Small Business Development and International Trade Center.

Professional Development (PD) offers in-person and online courses that introduce and enhance in-demand career skills or fulfill licensure/certification requirement. Programs span CLC's Fields of Interest, including Business and Information Technology (e.g. project management, real estate), Education and Social Sciences (e.g. professional development hours for teachers), manufacturing, Engineering and Advanced Technologies (e.g. forklift operator, truck drive) and Wellness and Health Sciences (e.g. pharmacy technician, veterinary assistant). PD also offers vocational courses designed for adults with mild to moderate cognitive impairment in the Personal Success Program.

For more information call (847) 543-2990, email professionalworkshops@clcillinois.edu or www.clcillinois.edu/wpdi.

Talent Development Services (TDS) provides innovative learning solutions that deliver results. Preparing your organization for the continually changing work environment is a smart strategy. TDS delivers customized training crafted to meet your organization's specific needs through instructor-led, online or hybrid offerings that can be held at your location or at one of CLC's three campuses. Training topics include managerial and supervisory skills, computer skills, English as a Second Language, presentation skills, etc. and are taught by subject matter experts who specialize in training adult learners. Professional coaching and career coaching are also available for all levels of management and employees.

For more information, call (847) 543-2990, email corporatetraining@clcillinois.edu or visit www.clcillinois.edu/wpdi.

The **Illinois Small Business Development and International Trade Center (IL SBDC ITC)** provides business solutions, training and assistance finding new opportunities for your small business to start, grow and succeed. Whether you're starting a new business, positioning your company for growth or seeking to expand globally, the Center can help. No-cost advising and low-cost workshops are available. For more information or to schedule an appointment, call (847) 543-2033, email IllinoisSBDC@clcillinois.edu or visit www.clcillinois.edu/sbdc-itc.

COMMUNITY PROGRAMMING

Community Programming offers educational experiences for individuals to pursue passions, enjoy life and to stay safe through Personal Enrichment and Judicial Services areas.

Personal Enrichment offers non-credit programming in a pleasant, comfortable atmosphere for learners of all ages. Students can enjoy leisure, recreation and personal enrichment classes that enhance personal growth and expand individual experiences. Students can take a trip, learn to dance, improve physical fitness, relive history or appreciate the arts. Classes range from one-day workshops to semester-length courses. Students learn new skills, meet new people and develop new hobbies in a relaxed environment. Whatever the interest, offerings are available for the entire family. Visit www.clcillinois.edu/personalenrichment.

Gifted Children Classes (Grades 7-8)

To enroll in the Fast-Paced Program for gifted and talented children, students must score in the 95th percentile on standardized tests.

Youth Classes (Grades 1-12)

A variety of educational and recreational programs are offered for students in grades 1-12. Programs include academic enrichment in math, test prep, writing, STEM and the arts.

Summer Youth Camps (Grades 1-12)

Explore camp for youth in grades 1-8 offers premium academic enrichment learning experiences wrapped in fun and designed to boost skills. STEM and STEAM are featured and taught by highly-trained and energized professionals.

Engage camp is for grades 9-12 and offers immersive and fun potential career experiences in STEM and other professions, engineering, medical, software development, scientists, researchers, auto technology, culinary, law and legal, filmmaking and many more. Try a career before deciding on a major or a job.

Discovery

The Discovery program for adult learners age 50-plus offers exciting and creative programs for an immersive experience. Short-term classes are offered in history, filmmaking, religion, arts, current events and literature. College instructors or community professionals facilitate most sessions. For more information call (847) 543-2615.

For more information on these programs, call Personal Enrichment at (847) 543-2615, visit www.clcillinois.edu/personalenrichment or email cpeinfo@clcillinois.edu.

The **Judicial Services** Department offers a variety of programs, to support the College of Lake County's partnership with the 19th Judicial Circuit Court of Illinois, and to serve the Lake County Community. The Defensive Driving Program, offered since 1991, allows motorists who have received a minor traffic violation in Lake County the option to take classes under court supervision. The classes are accredited by the National Safety Council and emphasize defensive driving techniques. The National Safety Council's program "Alive at 25" is also available for teen drivers. The Family Parenting Program is for parents with minor children who are dissolving a marriage or seeking co-parenting and custody agreements. The Live Victim Impact Panel is designed to affect the behavior and state of mind of those convicted of DUI and related offenses. The Behavior Choice Module, including both an adult and teen curriculum, along with the Substance Abuse Module, are offered to address and develop cognitive skills that support logical thinking and build healthy lifestyle habits. The Volunteer Probation Support Program recruits, trains and assigns volunteers to work with adults and juveniles during probation periods, providing support, mentoring and supervision. For more information on these programs contact Judicial Services at (847) 543-2185 or visit www.clcillinois.edu/judicial.

ASSOCIATE IN APPLIED SCIENCE DEGREE

Students may obtain an Associate in Applied Science degree from the College of Lake County by successfully completing the required general education requirements outlined below, as well as the required courses for the particular program area outlined on pages 55-225. Students must also meet graduation requirements.

Required General Education Coursework 15

A. Communication Arts 6

Select one English course and one Communication Arts course:
CMM 111, 121, 122, 123, or 128 (check program requirements for specific course)
ENG 120 or ENG 121

B. Social Sciences 3

Select one course from the following selections:
Anthropology, Economics, Education, Gender and Sexuality Studies, Geography (except GEG 120 or GEG 121), History, Political Science, Psychology, Sociology

C. Science or Mathematics 3

Select one course from the following selections:
Biology, Business Mathematics (AOS 122), Earth Science, Electronic Information Technology (EIT 110), Chemistry, Geography (GEG 120 or GEG 121), Mathematics, Physics

D. Humanities or Fine Arts 3

Select one course from the following selections:
Art, Humanities, Music, Theatre, Chinese, English (except ENG 120, 121, 122, 123, 124 and 126), Dance, Arabic, French, German, Italian, Japanese, Philosophy, Russian, Sign Language, Spanish

Required Program Coursework 45-57

Select coursework from each program.

Total Hours for Associate in Applied Science degree 60-72

Graduation Requirements

- A. Cumulative CLC grade point average of 2.0 or higher;
- B. Completion of at least 15 credit hours of program specific coursework at CLC;
- C. Completed Request to Graduate (available through the Graduation tile in Student Center);
- D. Completion of College Success Seminar (CLC 120) with a grade of D or better.

CERTIFICATES

The College of Lake County awards two types of certificates.

Career Certificates

Certificates in career areas are programs which require less than two years of full-time study. A certificate program is generally distinguished from a degree program by having fewer general education requirements. In order to determine the specific requirement of a certificate program, check the particular program area outlined on pages 55-225. Candidates for certificates must submit a completed Request to Graduate (available through the Graduation tile in Student Center).

All students must meet the following general graduation requirements to earn a career certificate from the college:

1. Satisfactory completion of the hours and courses required for the certificate.
2. For certificates of 30 credit hours or less, students must complete at least one half of the credit hours required by the certificate at the College of Lake County. For certificates in excess of 30 credit hours, students must complete at least 15 credit hours required by the certificate at the College of Lake County. This does not include credit earned through proficiency examinations.
3. Maintenance of a C (2.0) average for all work at CLC used to compute the grade point average.
4. For certificates of 16 credit hours or more, completion of College Success Seminar (CLC 120) with a grade of D or better.

Class Certificates

A class certificate may be awarded upon completion of a course which fulfills a special educational objective within the Adult Basic Education area. Courses for which certificates are awarded may or may not carry academic credit.

SPECIAL NOTATIONS FOR ASSOCIATE DEGREE REQUIREMENTS

- A. No course may be used to satisfy more than one general education requirement.
- B. Specific electives and total hours vary by degree and program.
- C. Only a limited number of MUS and KIN courses may be used towards a degree. Please see course descriptions for courses within these areas for more information.
- D. The following courses cannot be used to satisfy degree requirements and do not count in the grade point average:
 1. ENG 100, 104, 108, or 109; MTH 101, 102, 104, 105, 106, 107 or 108;
 2. Adult Education courses with a department prefix of ABE, ADE, ESL, GED or VST;
 3. General Studies courses.

ASSOCIATE IN GENERAL STUDIES

Advising Center
Room B118, (847) 543-2060

Associate in General Studies Plan 10AC

The Associate in General Studies (A.G.S.) is a highly individualized degree that combines both liberal arts and sciences and occupational education coursework. It is an alternative degree for students who are undecided about future education or career goals or who need a 60 credit hour degree comprising 21 credit hours in general education coursework and 39 credit hours in program electives. (Because of the individualized nature of this degree, students are required to meet with an Academic Success Advisor for assistance in choosing courses that will satisfy their academic goals.) The A.G.S. is not designed for transfer to a four-year college or university. The general education requirements for the A.G.S. do not fulfill the IAI (Illinois Articulation Initiative) General Education Core Curriculum guidelines. Students can use some credits earned toward their A.G.S. degree to transfer, but should be aware that transfer options for the degree as a whole are limited. Students must meet with an Academic Success Advisor to determine the appropriateness of the A.G.S. degree option and must complete a Plan of Study before their decision to pursue the A.G.S. degree is formalized. The official plan must be signed by the student and an Academic Success Advisor and will be kept with the student's record.

REQUIREMENTS:

CLC 120 ^ College Success Seminar [2]

COMMUNICATION - 6 CREDIT HOURS

Two courses including one course in Communication and one in English.

CMM 111	Communication Skills	3
CMM 121	Fundamentals of Speech	3
CMM 122	Business/Professional Speaking	3
CMM 123	Dynamics/Small Group Discuss	3
CMM 124	Oral Interpretation	3
CMM 125	Communication and Gender	3
CMM 127	Intercultural Communication	3
CMM 128	Interviewing Practices	3
ENG 120	Technical Composition I	3
ENG 121	English Composition I	3
ENG 122	English Composition II	3
ENG 126	Advanced Composition: Scientific/Technical	3

SOCIAL AND BEHAVIORAL SCIENCES 6 CREDIT HOURS

- Any ANT** course
- Any ECO** course
- Any GEG** course, with the exception of GEG 120 or 121
- Any GXS** course
- Any HST** course
- Any PSC** course
- Any PSY** course
- Any SOC** course

SCIENCE OR MATHEMATICS 6 CREDIT HOURS

- AMT 122** Business Mathematics (3)
- Any BIO** course
- Any CHM** course
- Any ESC** course
- GEG 120** Principles of Physical Geography (4)
- GEG 121** Physical Geography (3)
- Any MTH** course, with the exception of any developmental MTH courses (PCS 1.4)
- Any PHY** course
- Any SCI** course

HUMANITIES AND FINE ARTS 3 CREDIT HOURS

- Any ARA** course
- Any ART** course
- Any ASI** course
- Any CHI** course
- Any DNC** course
- Any ENG** course, with the exception of ENG 120, 121, 122, and 126, and any developmental ENG courses (PCS 1.4)
- Any FRN** course
- Any GER** course
- Any HUM** course
- Any ITL** course
- Any JPN** course
- Any MUS** course
- Any PHI** course
- Any RUS** course
- Any SPA** course
- Any THE** course

AREA OF CONCENTRATION/ELECTIVE REQUIREMENTS - 39 CREDIT HOURS

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Students with previous academic, career, and life experiences are encouraged to investigate the options of proficiency credit to substitute their acquired knowledge for prerequisites, course and/or degree requirements. Any Emergency Medical Technology (EMT) courses can be used to satisfy degree requirements. However, no EMT courses (with the exception of EMT 111 Emergency Medical Technician-Basic) are eligible for financial aid. The following courses cannot be used to satisfy degree requirements and do not count in the grade point average (GPA): 1. Courses with a middle digit of 0: (e.g. ENG 108, ENG 109, and MTH 101); 2. Adult Education courses with a department prefix of ABE, ADE, BRGA, ELI (with the exception of ELI 125), ESL, GED, or VST.

Total hours for A.G.S. Degree 60

ARTS, DIGITAL MEDIA AND COMMUNICATIONS



ART

- Art A.A.

COMMUNICATION

- Communication A.A.

DANCE

- Dance A.A.

DIGITAL MEDIA AND DESIGN

- Digital A/V Production and Editing A.A.S.
 - Digital A/V Production and Editing Certificate
 - Multimedia Presentation Certificate
 - Multimedia Communications Certificate
- Digital Media and Design A.A.S.
 - 2D Animation Certificate
 - 3D Modeling and Animation Certificate
 - Graphic Design Certificate
 - Web Design Certificate

ENGLISH COMPOSITION

- English A.A.

MUSIC

- Music A.A.
- Music A.F.A.

TECHNICAL COMMUNICATION

- Technical Communication A.A.S.
 - Technical Communication Certificate
 - Professional Technical Communication

THEATRE

- Theatre—Performance Acting/ Directing A.A.
- Theater—Technical Design/Stage Management A.A.

YOGA

See page 225 for program information

- Yoga Certificate



ART

**Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/art**

**Degree: Associate in Arts
Plan 13AB-ART**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER 15

CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
ART 122	Two Dimensional Design	3
ART 124	Drawing I	3
ART 240	History of Art I	3

SUMMER SESSION 3

Math Elective	3
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SECOND SEMESTER 15-17

ENG 122	English Composition II	3
ART 127	Drawing II	3
ART 241	History of ART II	3
ART 221	3Dimensional Design	3
	Physical Science ¹	3-5

THIRD SEMESTER 15-16

CMM 121	Fundamentals of Speech	3
ART 225	Figure Drawing	3
	Humanities Elective	3
	Life Science ¹	3-4
	Art Studio Elective	3

FOURTH SEMESTER 15

Social Science Electives	9
ART Studio Electives	6

¹ One Science must include Lab

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

ART STUDIO ELECTIVES

ART 123	Color and Design Techniques	3
ART 129	Photography I	3
ART 149	Digital Photography I	3
ART 222	Computer Art I	3
ART 223	Sculpture I	3
ART 224	Painting I	3
ART 226	Ceramics I	3
ART 227	Painting II	3
ART 228	Sculpture II	3
ART 229	Photography II	3
ART 245	Jewelry I	3
ART 246	Ceramics II	3
ART 247	Ceramics III	3
ART 249	Digital Photography II	3

For information on the Associate in Fine Arts in Art, see page 46.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S.). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

David Bolton | Erick Lowe | Hans Habeger
Cristen Leifheit | Robert Lossmann

COMMUNICATION

Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/cmm

Degree: Associate in Arts
Plan 13AB-CMM

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
ENG 121	English Composition I	3
CLC 120 ^	College Success Seminar	[2]
	Math Elective	3
CMM 121	Fundamentals of Speech	3
	Social Science Elective	3

SECOND SEMESTER		15-17
ENG 122	English Composition II	3
ENG 123	Mass Communications	3
	Fine Arts Elective (I/M)	3
	Humanities Elective	3
	Physical Science ¹	3-5

THIRD SEMESTER		15-16
	Social Science Elective	3
	Life Science ¹	3-4
ENG 128	Linguistics and Society	3
CMM 125	Communication and Gender	3
CMM 127	Intercultural Communication	3

FOURTH SEMESTER		15
	Social Science Elective	3
CMM 123	Dynamics/Small Group Discussion	3
PHI 121	Introduction to Philosophy	3
ENG 244	Mythology and Fairy Tales	3
CMM 124	Oral Interpretation or	
CMM 128	Interviewing Strategies	3

¹ One Science must include Lab

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

Joel Chmara | Fred Gifford | Lynne Harper
Kari Proft | Rick Soller | Cindu Thomas-George





DANCE

Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/dnc

Degree: Associate in Arts
Plan 13AB-DNC

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15-17
CLC 120 ^	College Success Seminar	[2]
DNC 121	Introduction to Ballet	3
DNC 122	Modern Dance Technique I	3
ENG 121	English Composition I	3
	Social Science Elective	3
	Physical Science ¹	3-5

SECOND SEMESTER		15-16
DNC 221	Intermediate Ballet Technique	3
DNC 222	Intermediate Modern Technique	3
DNC 280	Dance and Popular Culture (I/M)	3
ENG 122	English Composition II	3
	Life Science ¹	3-4

THIRD SEMESTER		15
DNC 125	Elements of Dance Composition I	3
CMM 121	Fundamentals of Speech	3
DNC 123	Jazz Technique	3
	Math Elective	3
	Social Science Elective	3

FOURTH SEMESTER		15
DNC 240	The Art of Dance (I/M)	3
DNC 160	Teaching Methods I	3
	Dance Elective	3
	Humanities Elective	3
	Social Science Electives	3

DANCE CONCENTRATION/ELECTIVES CHOOSE 3 CREDITS

DNC 124	Beginning Yoga	3
DNC 126	Dance Forms I	3
DNC 141	Beginning Hip Hop	3
DNC 143	Beginning Tap	3
DNC 223	Intermediate Jazz Technique	3
DNC 224	Intermediate Yoga	3
DNC 241	Intermediate Hip Hop	3
DNC 260	Teaching Methods II	3

¹ One Science must include Lab

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

Valerie Alpert | Therese Crews

DIGITAL MEDIA AND DESIGN

Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/dmd

Degree: Associate in Applied Science,
Digital Media and Design
Plan 23TB

The Digital Media and Design Associate in Applied Science Degree provides students with the conceptual, critical, creative and technical skills needed to design and produce a variety of commercial, educational and artistic media and design projects. Building on conventional communication formats, Digital Media and Design will explore the realm of new media, creating art and design works such as digital sound and music, still and moving images, 3D models, 2D and 3D animations, Web, video and interactive media. This is a robust curriculum designed to keep up with industry developments and trends.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

ANIMATION SPECIALTY OPTION

FIRST SEMESTER 12 (FALL PREFERRED START)

CLC 120 ^	College Success Seminar	[2]
DMD 111	Introduction to Digital Media	3
DMD 157	Introduction to Animation	3
ART 122	Two Dimensional Design	3
ART 222	Computer Art I	3

SECOND SEMESTER 15-17

MTH 114	Applied Mathematics	<i>or</i>
MTH 117	Technical Mathematics I	<i>or</i>
MTH 122	College Algebra	<i>or</i>
MTH 140*	Contemporary Math	<i>or</i>
MTH 141*	Quantitative Literacy or Higher Math Elective	3-5
DMD 233	Video Editing	3
ART 124	Drawing I	3
ART 263	2D Computer Animation	3
ENG 120	Technical Composition I	<i>or</i>
ENG 121	English Composition I	3

SUMMER SESSION 6

ANT 121*	Introduction to Anthropology	<i>or</i>
PSY 121	Introduction to Psychology	<i>or</i>
PSY 122	Industrial/Organizational Psychology	3
ART 149	Digital Photography I	3

THIRD SEMESTER 15

CMM 121	Fundamentals of Speech	<i>or</i>
CMM 122	Business and Professional Speaking	<i>or</i>
CMM 128	Interviewing Practices	3
DMD 173	Introduction to Digital Sound	3
DMD 251	Advanced 3D Modeling	3
ART 225	Figure Drawing	3
ART 264	3D Computer Animation	3

FOURTH SEMESTER 15

DMD 117	Concepts in New Media	3
DMD 216	Interactive Scripting	3
DMD 253	Advanced 3D Animation	3
DMD 259	3D Special Effects	3
	Additional Required Coursework (below)	3

SUMMER SESSION 3

PHI 122*	Logic	<i>or</i>
	Humanities or Fine Arts Elective (excluding ART courses)	3

Total hours for A.A.S. Degree 66-68

ADDITIONAL REQUIRED COURSEWORK 3

Select 3 hours from the list below:

BUS 121	Introduction to Business	3
BUS 219	Small Business Management	3
BUS 239	Social Media /Marketing	3
ENG 126	Advanced Composition: Scientific Technical Communication	3
ENG 220	Introduction to Scriptwriting for Video, TV and Film	3
	DNC Elective	3
HUM 123	Introduction to Film	3
HUM 222	Film and Society	3
	MUS Elective	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* Recommended course but check with your transfer institution

Continued on next page.



ARTS, DIGITAL MEDIA
AND COMMUNICATIONS PROGRAMS

**GRAPHIC DESIGN SPECIALTY
OPTION**

FIRST SEMESTER	12
<small>(FALL PREFERRED START)</small>	
CLC 120 ^	College Success Seminar [2]
ENG 120	Technical Composition I <i>or</i>
ENG 121	English Composition I 3
DMD 113	History of Graphic Design 3
DMD 121	Introduction to Graphic Design 3
ART 122	Two Dimensional Design 3

SECOND SEMESTER	15-17
<small>(SPRING WITH FALL START)</small>	
DMD 111	Introduction to Digital Media 3
DMD 125	DMD Printing Production 3
DMD 174	Typography 3
ART 222	Computer Art I 3
MTH 114	Applied Mathematics <i>or</i>
MTH 117	Technical Mathematics <i>or</i>
MTH 122	College Algebra <i>or</i>
MTH 140	Contemporary Math <i>or</i>
MTH 141	Quantitative Literacy <i>or</i>
	Higher MTH Elective 3-5

THIRD SEMESTER	6
<small>(SUMMER WITH FALL START)</small>	
DMD 115	Internet Fundamentals 3
DMD 116	Web Design and Development 3

FOURTH SEMESTER	15
DMD 273	Advanced Electronic Graphic Publishing 3
DMD 117	Concepts in New Media 3
ART 123	Color and Design Techniques 3
ART 149	Digital Photography I 3
CMM 121	Fundamentals of Speech <i>or</i>
CMM 122	Business and Professional Speaking <i>or</i>
CMM 128	Interviewing Practices 3

FIFTH SEMESTER	15
DMD 279	Packaging and Design 3
ART 221	Three Dimensional Design 3
PHI 122	Logic <i>or</i> Humanities Elective 3
ENG 113	Technical Communication Practicum <i>or</i>
ENG 266	Professional Communication <i>or</i>
EWE 120	Job Readiness Skills <i>and</i>
EWE 220	Internship I 3
	Additional Required Course Select 3 credit hours from following list 3

SIXTH SEMESTER	3
ANT 121	Introduction to Anthropology <i>or</i>
PSY 121	Introduction to Psychology <i>or</i>
PSY 122	Industrial/Organizational Psychology 3

Total hours for A.A.S. Degree 66-68

ADDITIONAL REQUIRED COURSEWORK

Select 3 hours from the list below:

BUS 121	Introduction to Business 3
BUS 219	Small Business Management 3
BUS 239	Social Media /Marketing 3
ENG 126	Advanced Composition: Scientific Technical Communication 3
ENG 220	Introduction to Scriptwriting for Video, TV and Film 3
HUM 123	Introduction to Film 3
HUM 222	Film and Society DNC Elective 3
	MUS Elective 3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

WEB DEVELOPMENT AND INTERACTIVE DESIGN SPECIALTY OPTION

FIRST SEMESTER	12
<small>(FALL PREFERRED START)</small>	
CLC 120 ^	College Success Seminar [2]
ENG 120	Technical Composition I <i>or</i>
ENG 121	English Composition I 3
DMD 113	History of Graphic Design 3
DMD 116	Web Design and Development 3
ART 222	Computer Art I 3

SECOND SEMESTER	15-17
<small>(SPRING WITH FALL START)</small>	
DMD 111	Introduction to Digital Media 3
DMD 216	Interactive Scripting <i>or</i>
CIT 171	Web Page Scripting 3
ART 122	Two Dimensional Design 3
MTH 114	Applied Mathematics <i>or</i>
MTH 117	Technical Mathematics <i>or</i>
MTH 122	College Algebra <i>or</i>
MTH 140	Contemporary Math <i>or</i>
MTH 141	Quantitative Literacy <i>or</i>
	Higher MTH Elective 3-5
	ART, CAD, CIT or DMD Elective: Choose from ART, CAD, CIT or DMD from Animation, video, audio, game, Photography, CAD, database, networking, etc. 3

THIRD SEMESTER	6
<small>(SUMMER WITH FALL START)</small>	
PHI 122	Logic <i>or</i> Humanities Elective 3
ART 149	Digital Photography I 3

FOURTH SEMESTER 15

DMD 218	Advanced Web Design and Development 3
DMD 157	Introduction to Animation 3
DMD 115	Internet Fundamentals 3
	Additional Required Course: Select 3 credit hours from list below 3
CMM 121	Fundamentals of Speech <i>or</i>
CMM 122	Business and Professional Speaking <i>or</i>
CMM 128	Interviewing Practices 3

FIFTH SEMESTER	15
DMD 256	Dynamic Web Design and Development 3
DMD 257	Interactive Animation 3
DMD 125	DMD Printing Production 3
DMD 117	Concepts in New Media 3
ENG 113	Technical Communication Practicum <i>or</i>
ENG 266	Professional Communication <i>or</i>
EWE 220	Internship I <i>and</i>
EWE 120	Job Readiness Skills 3

SIXTH SEMESTER 3

ANT 121	Introduction to Anthropology <i>or</i>
PSY 121	Introduction to Psychology <i>or</i>
PSY 122	Industrial/Organizational Psychology 3

Total hours for A.A.S. Degree 66-68

ADDITIONAL REQUIRED COURSEWORK

Select 3 hours from the list below:

BUS 121	Introduction to Business 3
BUS 219	Small Business Management 3
BUS 239	Social Media /Marketing 3
ENG 126	Advanced Composition: Scientific Technical Communication 3
ENG 220	Introduction to Scriptwriting for Video, TV and Film 3
HUM 123	Introduction to Film 3
HUM 222	Film and Society DNC Elective 3
	MUS Elective 3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**2D ANIMATION
(Certificate) Plan 23TR**

This certificate program in 2D animation provides the knowledge, creative skills, technical skills and hands-on experience for entry-level employment in the field of 2D animation, character animation, motion graphics design and storyboard artist. The certificate is designed for students looking for additional skills in 2D animation to broaden their workplace expertise or those seeking employment in entry-level positions immediately upon graduation from CLC.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
DMD 121 Introduction to Graphic Design	3
DMD 157 Introduction to Animation	3
DMD 173 Introduction to Digital Sound	3
ART 124 Drawing I	3
SECOND SEMESTER	12
DMD 233 Video Editing	3
ART 149 Digital Photography I	3
ART 225 Figure Drawing	3
ART 263 2D Computer Animation	3
Total hours for Certificate	24

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**3D MODELING AND ANIMATION
(Certificate) Plan 23TS**

This certificate program in 3D modeling and animation provides the knowledge, creative skills, technical skills and hands-on experience for entry-level employment in the field of 3D modeling, 3D animation, character animation, compositing, effects artist, and motion graphics design for broadcast and film. The certificate is designed for students looking for additional skills in 3D modeling and animation to broaden their workplace expertise or those seeking employment in entry-level positions immediately upon graduation from CLC.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
DMD 157 Introduction to Animation	3
DMD 173 Introduction to Digital Sound	3
DMD 251 Advanced 3D Modeling	3
ART 124 Drawing I	3
ART 264 3D Computer Animation	3
SECOND SEMESTER	15
DMD 121 Introduction to Graphic Design	3
DMD 233 Video Editing	3
DMD 253 Advanced 3D Animation	3
DMD 259 3D Special Effects	3
ART 225 Figure Drawing	3
Total hours for Certificate	30

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**GRAPHIC DESIGN
(Certificate) Plan 23TU**

This certificate is designed for students seeking immediate employment as a graphic designer in such industries as print, publishing, advertising, digital media, and manufacturing. It also enables individuals working in Web front-end design and marketing to advance their marketability at current positions. The certificate provides students with the knowledge and hands-on training to achieve effective visual communications, through use of color, typography, and layout. Coursework includes history of graphic design, web page design, and packaging design. Students learn to build a strong portfolio that reflects their understanding of branding and clients' needs, creativity in visual problem solving, and proficiency in industry-leading software.

FIRST SEMESTER (FALL PREFERRED START)	6
CLC 120 ^ College Success Seminar	[2]
DMD 113 History of Graphic Design	3
DMD 121 Introduction to Graphic Design	3
SECOND SEMESTER (SPRING WITH FALL START)	6
ART 149 Digital Photography I	3
DMD 174 Typography	3
THIRD SEMESTER	6
DMD 116 Web Design and Development	3
DMD 273 Advanced Electronic Graphic Publishing	3
FOURTH SEMESTER	6
DMD 125 Printing Production	3
DMD 279 Packaging Design	3
Total hours for Certificate	24

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Continued on next page.

**WEB DESIGN
(Certificate) Plan 23TW**

This certificate prepares graduates for entry-level positions in web design, web media design, web front-end development, and interaction design in almost all industries. It also enables individuals working in graphic design, marketing and/or information technology to advance their marketability at their current positions. The certificate provides students with the knowledge and skills to create visually appealing websites with effective site structure, intuitive navigation and beneficial contents. The curriculum focuses on combined strengths in graphic design, coding and use of software/apps. Students learn how to design and maintain websites to meet the needs of both their clients and users, as well as how to work as liaison between visual designers and web back-end developers to solve design challenges.

FIRST SEMESTER (FALL PREFERRED START)	12
CLC 120 ^ College Success Seminar	[2]
DMD 111 Introduction to Digital Media	3
DMD 116 Web Design and Development	3
DMD 121 Introduction to Graphic Design	3
DMD 218 Advanced Web Design and Development	3
SECOND SEMESTER (SPRING WITH FALL START)	15
DMD 115 Internet Fundamentals	3
DMD 117 Concepts in New Media	3
DMD 174 Typography	3
DMD 216 Interactive Scripting	3
DMD 256 Dynamic Web Design and Development	3
Total hours for Certificate	27

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**DIGITAL A/V PRODUCTION
AND EDITING**

**Degree: Associate in Applied Science,
Digital A/V Production and Editing
Plan 23TM**

The Digital Media and Design Associate in Applied Science Degree in Digital A/V Production and Editing provides you with the conceptual, critical, creative and technical skills you'll need to create and produce a variety of commercial, educational and artistic audio and video projects. Building on conventional audio and video communication formats, Digital A/V Production and Editing will explore the realm of new media, creating art and design works including digital sound and music, still and moving images, compositing, special effects, 2D and 3D animations, Web, video and interactive media. We have created a robust curriculum that will keep up with industry developments and trends.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
DMD 111 Introduction to Digital Media	3
DMD 173 Introduction to Digital Sound	3
ART 122 Two Dimensional Design	3
ART 222 Computer Art I	3
SECOND SEMESTER	15-17
MTH 114 Applied Mathematics <i>or</i>	
MTH 117 Technical Mathematics I <i>or</i>	
MTH 122 College Algebra <i>or</i>	
MTH 141 Quantitative Literacy <i>or</i> Elective (higher than MTH 141)	3-5
ART 149 Digital Photography I	3
DMD 125 Printing Production	3
DMD 233 Digital Video Editing	3
DMD 275 Audio Recording and Production	3
SUMMER SESSION	6
DMD 115 Internet Fundamentals	3
ANT 121 Introduction to Anthropology <i>or</i>	
PSY 121 Introduction to Psychology <i>or</i>	
PSY 122 Industrial/Organizational Psychology	3

THIRD SEMESTER	15
CMM 121 Fundamentals of Speech <i>or</i>	
CMM 122 Business and Professional Speaking <i>or</i>	
CMM 128 Interviewing Practices	3
ENG 120 Technical Composition I <i>or</i>	
ENG 121 English Composition I	3
DMD 116 Web Design and Development	3
DMD 117 Concepts in New Media <i>or</i>	
ENG 126 Advanced Composition: Scientific Technical Communications	3
DMD 170 Introduction to Video Production	3

FOURTH SEMESTER	15
PHI 122 Logic <i>or</i> Humanities or Fine Arts Elective (excluding ART courses)	3
Additional Required Coursework* (see list below)	3
Digital A/V Production and Editing Electives** (see list below)	3
DMD 277 Digital Media Delivery	3
DMD 270 Advanced Video Production	3

***ADDITIONAL REQUIRED COURSEWORK 3**
Select 3 hours from the list below:

BUS 121 Introduction to Business	3
BUS 219 Small Business Management DNC Elective	3
BUS 239 Social Media /Marketing	3
ENG 220 Introduction to Scriptwriting for Video, TV and Film	3
HUM 123 Introduction to Film	3
HUM 222 Film and Society MUS Elective	3

****DIGITAL A/V PRODUCTION
AND EDITING ELECTIVES 3**
Select 3 hours from the list below:

ART 129 Photography I	3
ART 249 Digital Photography II	3
DMD 157 Introduction to Animation	3
DMD 257 Interactive Animation	3
Total Hours for A.A.S. Degree	63-65

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**DIGITAL A/V PRODUCTION AND EDITING
(Certificate) Plan 23TV**

This certificate program in digital A/V production and editing provides the knowledge, creative skills, technical skills and hands-on experience for entry-level employment in the field of audio recording, audio editing, audio engineering, video/film producer, videographer, video editor and production assistant. The certificate is designed for students looking for additional skills in digital A/V production and editing to broaden their workplace expertise or those seeking employment in entry-level positions immediately upon graduation from CLC.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar [2]	
DMD 121 Introduction to Graphic Design	3
DMD 170 Introduction to Video Production	3
DMD 173 Introduction to Digital Sound	3
ART 149 Digital Photography I	3
SECOND SEMESTER	15
DMD 233 Video Editing	3
DMD 270 Advanced Video Production	3
DMD 275 Audio Recording and Production	3
DMD 277 Digital Media Delivery	3
Elective choose from	
DMD 157 Introduction to Animation	
ENG 220 Introduction to Scriptwriting for Video, TV and Film <i>or</i>	
HUM 123 Introduction to Film <i>or</i>	
HUM 222 Film and Society	3
Total hours for Certificate	27

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**MULTIMEDIA PRESENTATION
(Certificate) Plan 23TE**

FIRST SEMESTER	9
DMD 173 Introduction to Digital Sound	3
AMT 215 Presentation Software	3
DMD 170 Introduction to Video Production	3
SECOND SEMESTER	6
DMD 111 Introduction to Digital Media	3
DMD 277 Digital Media Delivery	3
Total hours for Certificate	15

**MULTIMEDIA COMMUNICATIONS
(Certificate) Plan 23TH**

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar [2]	
ART 122 Two Dimensional Design	3
DMD 111 Introduction to Digital Media	3
DMD 116 Web Design and Development	3
ENG 120 Technical Composition I <i>or</i>	
ENG 121 English Composition I	3
SECOND SEMESTER	12
DMD 125 Printing Production	3
DMD 216 Interactive Scripting	3
ART 222 Computer Art I	3
ENG 126 Advanced Composition: Scientific and Technical Communication	3
THIRD SEMESTER	12
ENG 113 Technical Communication Practicum	3
CMM 121 Fundamentals of Speech <i>or</i>	
CMM 122 Business and Professional Speaking	3
ENG 266 Professional Communication	3
Any other DMD course not included in this certificate	3
Total hours for Certificate	36

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, contact an academic success advisor, the following faculty or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

Michael Kozien | Yang Xiang



ENGLISH COMPOSITION

Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/eng

Degree: Associate in Arts
Plan 13AB-ENGC

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		12
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
	Humanities Fine Arts Elective (non-English)	3
	Social Science Elective	3
	Math Elective	3

SECOND SEMESTER		16
ENG 122	English Composition II	3
ENG	Any ENG Literature course	3
CMM 121	Fundamentals of Speech	3
	Social and Behavioral Sciences Elective	3
	Foreign Language	4

THIRD SEMESTER		16-18
ENG	Any ENG Literature course	3
	Humanities Fine Arts Elective (non-English)	3
	Physical Science ¹	3-5
	Social Science Elective	3
	Foreign Language	4

FOURTH SEMESTER		16-17
ENG	Any ENG Literature course	3
ENG	Any ENG Writing course	3
	Life Science ¹	3-4
	Humanities Fine Arts Elective (non-English)	3
	General Elective	3

ENGLISH LITERATURE COURSES

ENG 129	Women in Literature (I/M)*
ENG 199	Topics in Literature
ENG 223	Early American Literature
ENG 225	Survey of British Literature I
ENG 226	Survey of British Literature II
ENG 227	Introduction to Shakespeare
ENG 228	World Literature (I/M)*
ENG 229	American Literature : 20th Century to Present
ENG 241	Introduction to Poetry
ENG 243	Introduction to Fiction
ENG 244	Mythology and Fairy Tales (I/M)*
ENG 246	Latin American Writers (I/M)*
ENG 249	Children's Literature

ENGLISH WRITING COURSES

ENG 124	Newswriting
ENG 220	Introduction to Scripts for the Screen
ENG 222	Creative Writing
ENG 224	Creative Writing II (fiction, creative non-fiction, poetry)

¹ One Science must include Lab

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

Nolan Chessman | Kathyne Starzec

MUSIC

Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcollinois.edu/programs/mus

Degree: Associate in Fine Arts in Music Plan 16AB

The following courses are **recommended** for students who plan to major in music at a four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		14
CLC 120 ^	College Success Seminar	[2]
MUS 141	Applied Music	2
MUS 120	Ensemble	1
MUS 128	Theory of Music I	3
MUS 125	Aural Skills I	1
MUS 145	Class Piano I	1
	MTH Elective	3
	English Elective	3
SECOND SEMESTER		17
MUS 141	Applied Music	2
MUS 120	Ensemble	1
MUS 129	Theory of Music II	3
MUS 126	Aural Skills II	1
MUS 146	Class Piano II	1
	Social/Behavioral Science Elective	3
	Humanities Elective	3
	English Elective	3

THIRD SEMESTER		17-18
MUS 141	Applied Music	2
MUS 120	Ensemble	1
MUS 228	Theory of Music III	3
MUS 225	Aural Skills III	1
MUS 245	Class Piano III	1
	Physical Science ¹	3-5
	Communication Elective	3
	Humanities Elective	3

FOURTH SEMESTER		15-16
MUS 141	Applied Music	2
MUS 120	Ensemble	1
MUS 229	Theory of Music IV	3
MUS 226	Aural Skills IV	1
MUS 224	Music Literature	3
MUS 246	Class Piano IV	1
	Life Science ¹	3-4

Total A.F.A. in Music Degree 63-65

¹ One Science must include Lab

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

This plan includes recommendations for students who plan to major in this subject at a four year school.

For more information on recommended courses or program specific advising, contact Michael Flack at (847) 2566 or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.



ARTS, DIGITAL MEDIA
AND COMMUNICATIONS PROGRAMS

MUSIC

Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcollinois.edu/programs/mus

Degree: Associate in Arts
Plan 13AB-MUS

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

The Associate in Arts in Music is intended for students who are currently undecided about a music major or for those students interested in pursuing music as a minor at their transfer institution.

For information on the Associate in Fine Arts in Music, see pages 65 and 48.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
MUS 141 Applied Music	1
MUS 120 Music Ensemble	1
MUS 128 Theory of Music I	3
MUS 125 Aural Skills I	1
	MTH Elective 3
	English Elective 3

SECOND SEMESTER	15
MUS 141 Applied Music	1
MUS 120 Music Ensemble	1
MUS 129 Theory of Music II	3
MUS 126 Aural Skills II	1
	Social/Behavioral Science Elective 3
	Humanities Elective 3
	English Elective 3

THIRD SEMESTER	18-20
MUS 141 Applied Music	1
MUS 120 Music Ensemble	1
MUS 228 Theory of Music III	3
MUS 225 Aural Skills III	1
	Humanities Elective 3
	Social/Behavioral Science Elective 3
	Physical Science ¹ 3-5
	Speech Elective 3

FOURTH SEMESTER	17-18
MUS 141 Applied Music	1
MUS 229 Theory of Music IV	3
MUS 226 Aural Skills IV	1
	Life Science ¹ 3-4
	Humanities Elective 3
	Social and Behavioral Science Elective 3
	Humanities Elective 3

¹ One Science must include Lab

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, contact Michael Flack at (847) 2566 or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

TECHNICAL COMMUNICATION

Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/tec

Degree: Associate in Applied Science, Technical Communication Plan 23TA

Technical communicators are employed in a wide variety of occupational areas to produce the written documentation required at each step of the manufacturing process. They provide the communication links between divergent technical specialties as well as between different levels of technical expertise. This program offers training in both communication skills and technical skills. These skills may be gained two ways: by specializing in communications and electing a technical area or areas, or by specializing in a technical area and electing communications courses.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	12-14
CLC 120 ^	College Success Seminar [2]
CMM 121	Fundamentals of Speech <i>or</i>
CMM 128	Interviewing Practices 3
ENG 121	English Composition I 3
HUM 127	Critical Thinking <i>or</i>
PHI 122	Logic <i>or</i> Humanities or Fine Arts Elective 3
MTH 117	Technical Mathematics I <i>or</i>
MTH 122	College Algebra <i>or</i>
MTH 141	Quantitative Literacy 3-5
SECOND SEMESTER	18
ENG 120	Technical Composition I 3
AMT 113	Comprehensive Word Processing <i>or</i>
DMD 121	Introduction to Graphic Design 3 CIT Elective <i>or</i>
DMD 116	Web Design and Development 3
DMD 125	Printing Production 3 English Elective (see following list) 3
PSY 122	Industrial/Organizational Psychology 3

THIRD SEMESTER	17-19
ART 129	Introduction to Photography I <i>or</i>
ART 222	Computer Art I <i>or</i>
EGR 121	Engineering Graphics <i>or</i>
ELT 111	Electronic Drafting 2-3
MTH 118	Technical Mathematics II <i>or</i>
MTH 123	Trigonometry <i>or</i> MTH Elective (higher than MTH 123)* 3-4
ENG 126	Advanced Composition: Scientific and Technical Communications 3 Required Technical Specialty Courses 9
FOURTH SEMESTER	13-14
	Social Science Elective 3
	Required Technical Specialty Courses 7
ENG 113	Technical Communication Practicum <i>or</i>
EWE 120	Job Readiness Skills <i>and</i>
ENG 266	Professional Communication 3-4
Total Hours A.A.S. Degree	60-65

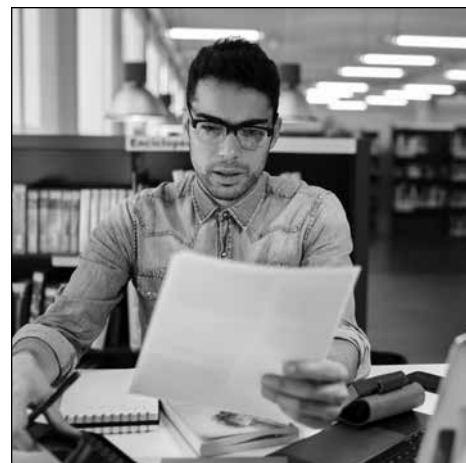
REQUIRED TECHNICAL SPECIALTY COURSEWORK

Choose technical specialty electives from fields such as advertising, data processing, electronics, engineering, publicity, or public relations, sales management, sales promotion, or software development.

Select a minimum of 16 hours from the following courses:
BUS 121, 122, 212, 213, 214, 221, 270*
CIT 111, 112, 119, 170, 211, 239
DMD 111, 115, 116, 174, 218, 219, 273, 279
EIT 111, 210, 211
EGR 121
ELT 111
HIT 111, 113, 114, 116, 172, 174, 217
MTH 114, 115, 117, 118
LGL 110, 112, 222

* Students interested in careers in advertising, sales management, sales promotion, publicity or public relations should select these courses

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.



Continued on next page

ARTS, DIGITAL MEDIA AND COMMUNICATIONS PROGRAMS

ENGLISH ELECTIVES

ENG 122	English Composition II	3
ENG 124	Newswriting I	3
ENG 220	Introduction to Scriptwriting for Video, TV and Film	3
ENG 222	Creative Writing I	3
ENG 224	Creative Writing II	3

CHOOSING A DUAL DEGREE

A student may elect to receive two Associate Degrees, one in Technical Communication and one in a technical field (such as electronics, engineering, etc.). This option is possible because many of the same general education courses are required in both programs and because 15-20 credit hours of technically specialized courses count towards the A.A.S. in Technical Communication. Thus, a student may earn this degree in connection with another degree program by adding the necessary written communications and graphics courses. See an Academic Success Advisor for more information.

TECHNICAL COMMUNICATION (Certificate) Plan 23TG

FIRST SEMESTER		12
CLC 120 ^	College Success Seminar	[2]
ENG 120	Technical Composition I	3
ENG 121	English Composition I	3
CMM 128	Interviewing Practices	3
DMD 116	Web Design & Development	3

SECOND SEMESTER		18
ENG 126	Advanced Composition: Scientific and Technical Communication	3
ENG 266	Professional Communication	3
ENG 113	Technical Communication Practicum	3
DMD 125	Printing Production	3
ART 222	Introduction to Computer Art Technical Specialty Elective Choose technical specialty electives from fields such as advertising, data processing, electronics, engineering, publicity, or public relations, sales management, sales promotion, or software development.	3

Total hours for Certificate **30**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

PROFESSIONAL TECHNICAL COMMUNICATION (Certificate) Plan 23TI

This certificate is appropriate for students who have already completed a degree in another field, and wish to retrain and re-enter the job force.

FIRST SEMESTER		6
CLC 120 ^	College Success Seminar	[2]
ENG 120	Technical Composition I	3
DMD 116	Web Design & Development	3

SECOND SEMESTER		12
DMD 125	Printing Production	3
ENG 126	Advanced Composition: Scientific and Technical Communication	3
ENG 266	Professional Communication	3
ENG 113	Technical Communication Practicum	3

Total hours for Certificate **18**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, faculty member Lori Allen at (847) 543-2732 or the Communication Arts, Humanities and Fine Arts division at (847) 543-2040.

**THEATRE-PERFORMANCE
(ACTING/DIRECTING)**

Communication Arts, Humanities and Fine
Arts Division, Room B213, (847) 543-2040
www.clcollinois.edu/programs/the

**Degree: Associate in Arts
Plan 13AB-THE**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15-17
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
THE 121	Introduction to Theatre	3
THE 125	Principles of Acting	3
	Physical Science ¹	3-5
	Social Science Elective	3

SECOND SEMESTER		15-16
ENG 122	English Composition II	3
THE 123	Diversity in American Theatre	3
THE 145	Voice for the Stage	3
THE 229	Stage Make-up	3
	Life Science ¹	3-4

THIRD SEMESTER		15
CMM 121	Fundamentals of Speech	3
THE 223	Play Analysis for Production	3
THE 225	Acting II	3
	Math Elective	3
	Social Science Elective	3

FOURTH SEMESTER		15
THE 126	Stagecraft	3
THE 228	Directing	3
THE	Performance Elective*	3
	Humanities Elective**	3
	Social Science Elective	3

¹ One Science must include Lab

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* Choose from the list of Theatre Performance courses on pages 351-352. Fourth Semester recommendations include: THE 299 Special Topics; THE 129 Theatre Practicum; or THE 127 Theatre Practicum II.

** See the list of recommended Humanities courses on page 41. Fourth Semester recommendation: ENG 227 Introduction to Shakespeare.

One course must meet the International/Multicultural requirement. See page 29 for a list of these courses. THE 123 Diversity in American Theatre meets the I/M requirement.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact Craig Rich at (847) 543-2567 or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.



**THEATRE-TECHNICAL
(DESIGN / STAGE MANAGEMENT)**

Communication Arts, Humanities and Fine
Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/the

**Degree: Associate in Arts
Plan 13AB-THE**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER 15-17

CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
THE 121	Introduction to Theatre	3
THE 126	Stagecraft	3
	Physical Science ¹	3-5
	Social Science Elective	3

SECOND SEMESTER 15-16

ENG 122	English Composition II	3
THE 123	Diversity in American Theatre	3
THE 125	Principles of Acting	3
THE 128	Introduction to Theatrical	
	Costuming	3
	Life Science ¹	3-4

THIRD SEMESTER 15

CMM 121	Fundamentals of Speech	3
THE 223	Play Analysis for Production	3
THE 226	Lighting for Stage and Studio	3
	Math Elective	3
	Social Science Elective	3

FOURTH SEMESTER 15

THE 127	Theatre Practicum II <i>or</i>	
THE 129	Theatre Practicum	1-3
THE 229	Stage Make Up	3
THE 299	Special Topics in Theatre*	3
	Humanities Elective**	3
	Social Science Elective	3

¹ One Science must include Lab

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* Choose from the list of Theatre Performance courses on pages 351-352. Recommended THE Special Topics courses include Stage Management and Scene Painting.

** See the list of recommended Humanities courses on page 41. Fourth Semester recommendation: ENG 227 Introduction to Shakespeare.

One course must meet the International/Multicultural requirement. See page 29 for a list of these courses. THE 123 Diversity in American Theatre meets the I/M requirement.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact Craig Rich at (847) 543-2567 or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

BUSINESS, HOSPITALITY AND INFORMATION TECHNOLOGY



BUSINESS PATHWAY

- Business Pathway A.A.

ACCOUNTING

- Accounting A.A.
- Accounting A.A.S.
 - Accounting Technician Certificate
 - Professional Accounting Certificate

ADMINISTRATIVE MANAGEMENT AND TECHNOLOGY

- Administrative Management and Technology A.A.S.
 - General Office Certificate
 - Office Professional Certificate
 - Administrative Assistant Certificate
 - Administrative Leadership Certificate

BUSINESS ADMINISTRATION

- Business A.A.S.
 - Marketing Certificate
 - Supervision Certificate
 - Entrepreneurship/Small Business Management Certificate
- Business Administration A.A.

COMPUTER INFORMATION TECHNOLOGY

- Computer Information Technology A.S.
- Computer Information Technology A.A.S.
 - CISCO Networking Certificate
 - Computer Forensics Analyst Certificate
 - Desktop Support Technician Certificate
 - Cybersecurity Certificate
 - Networking Administration and Cybersecurity Certificate
 - Programming Certificate
 - Web Programming Certificate

ECONOMICS

- Economics A.A.

HOSPITALITY AND CULINARY MANAGEMENT

- Baking and Pastry Arts A.A.S.
 - Baking and Pastry Assistant Certificate
 - Pastry Chef Assistant Certificate
- Hospitality and Culinary Management A.A.S.
 - Professional Cook Certificate
 - Professional Chef Certificate
 - Hospitality Supervisor Certificate
 - Hospitality Manager Certificate

LEGAL STUDIES

See page 136 for program information

- Legal Studies A.A.S.
 - Legal Studies Certificate

SUPPLY CHAIN MANAGEMENT

- Supply Chain Management A.A.S.
 - Introduction to Supply Chain Management Certificate
 - Advanced Supply Chain Management Certificate



BUSINESS PATHWAY

Business and Social Sciences Division
Room T302, (847) 543-2047

Degree: Associate in Arts
Plan 13AB-BUS

This pathway is for students who intend to transfer and major in the business area but have not selected a specific field such as Accounting, Business Administration, or Economics. Students who have decided on a specific intended major in these areas should refer to the recommended course of study on page 28.

FIRST SEMESTER		15-19
CLC 120 ^	College Success Seminar	[2]
BUS 121	Introduction to Business	3
	* Math Requirement ¹	3-5
ENG 121	English Composition I	3
	Physical Science	3-5
PSY 121	Introduction to Psychology	3
SECOND SEMESTER		15-18
ENG 122	English Composition II	3
	Math Elective ¹	3-5
ECO 221	Principles of Macroeconomics	3
	Life Science ²	3-4
HUM 121	Humanities: Ancient Times to the Middle Ages or	
HUM 122	Humanities: Renaissance to the Present	3
SUMMER—IF NEEDED		3-5
	Math Elective ¹	3-5

THIRD SEMESTER		13-15
ACC 121	Financial Accounting	4
	Business Elective ³	3
ECO 222	Principles of Microeconomics	3
	* Math Elective ¹	3-5

FOURTH SEMESTER		16
ACC 122	Managerial Accounting	4
CMM 121	Fundamentals of Speech	3
	Business Elective ³	3
	Humanities or Fine Arts Electives	6

Total Hours for A.A. Degree **60 - 68**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* If needed, depending on entering math level and four-year school requirements; not included in Total Hours for A.A. Degree.

¹ A student should consult an Academic Success Advisor to determine the correct progression of math courses. The math course progression for this degree will vary depending on the student's choice of 4-year institution in which to transfer and math competency prior to enrolling at CLC. This schedule assumes a student will enroll in four semesters of math. Depending on a student's transfer goals or math competency, a student may need to enroll in additional math courses or may be able to substitute one of the math slots for an elective course in the second or third semester of these schedules. Transfer Institution: While each transfer institution differs in its math requirements, most require a combination of MTH 224 (Business Calculus), MTH 127 (Finite Mathematics) and/or MTH 222 (Business Statistics). In order to qualify for these courses, students must generally also take MTH 122 (College Algebra). Math Competency: If a student does not meet the prerequisite to enroll in MTH 122, enrollment in developmental courses of MTH 102 and/or MTH 108 may be required. These courses do not apply toward the requirements of the associate degree.

² The Associate in Arts degree requires a student to complete a physical science course and a life science course for at least 7 credits altogether. At least one of these science courses must be a laboratory course.

³ A student should consult an Academic Success Advisor to determine the most appropriate elective course. Four-year transfer institutions generally differ in their desired elective course. Please select your desired transfer institution and work with an Academic Success Advisor to align your elective course with its admittance requirements. Common elective courses may include: BUS 221, BUS 227 (formerly BUS 122), BUS 223, BUS 132, CIT 120 or an additional math course

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the Business and Social Sciences Division at (847) 543-2047.



ACCOUNTING

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/acc

Degree: Associate in Arts
Plan 13AB-ACC

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER (Fall)		12-14
CLC 120 ^	College Success Seminar	[2]
BUS 121	Introduction to Business	3
	MTH ¹ Elective	3-5
ENG 121	English Composition I	3
CIT 120	Introduction to Computers	3
SECOND SEMESTER (Spring)		15-19
ENG 122	English Composition II	3
	MTH ¹ Elective	3-5
ECO 221	Principles of Macroeconomics	3
	Physical Science ³	3-5
PHI 122	Logic	3
SUMMER		3-5
	MTH ¹ Elective	3-5
THIRD SEMESTER (Fall)		16-18
ACC 121	Financial Accounting	4
BUS 221*	Business Law I	3
ECO 222	Principles of Microeconomics	3
	MTH ¹ Elective	3-5
	Elective ²	3
PSY 121	Introduction to Psychology	3
FOURTH SEMESTER (Spring)		16-17
ACC 122	Managerial Accounting	4
CMM 121	Fundamentals of Speech	3
	Life Science ³	3-4
HUM 121	Humanities: Ancient Times to the Middle Ages	3
	Humanities or Fine Arts Elective (I/M)	3

Notes: Students who qualify for MTH 224, MTH 127 and MTH 222 can complete this degree in 60 credits.

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* Cross listed with LGL 221

¹ A student should consult an Academic Success Advisor to determine the correct progression of math courses. The math course progression for this degree will vary depending on the student's 1) choice of 4-year institution to which to transfer and 2) math competency prior to enrolling at CLC. This schedule assumes a student will enroll in four semesters of math. Depending on a student's transfer goals or math competency, a student may need to enroll in additional math courses or may be able to substitute one of the math slots for an elective course in the second or third semester of these schedules. Transfer Institution: While each local 4-year transfer institution differs in its math requirements, most require a combination of MTH 224 (Business Calculus), MTH 127 (Finite Mathematics) and/or MTH 222 (Business Statistics). In order to qualify for these courses, students must generally also take MTH 122 (College Algebra). Math Competency: If a student does not meet the prerequisite to enroll in MTH 122, enrollment in developmental courses of MTH 102 and/or MTH 108 may be required. These courses do not apply toward the requirements of the associate degree.

² A student should consult an Academic Success Advisor to determine the most appropriate elective course. Four-year transfer institutions generally differ in their desired elective course. Please select your desired transfer institution and work with an academic success advisor to align your elective course with its admittance requirements. Common elective courses may include: BUS 227 (formerly BUS 122), BUS 223, BUS 132, BUS 237 or an additional math course.

³ One Science must include Lab.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S.). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

ACCOUNTING

**Degree: Associate in Applied Science,
Accounting
Plan 22AA**

Accounting programs prepare students to compile and analyze business records and prepare financial reports such as income statements, balance sheets, costs studies, tax returns, and other internal reports.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

REQUIRED PREREQUISITE COURSEWORK

ACC 110	Accounting in Business ² (This course provides an alternate path for students to meet ACC 121 prerequisite)	2
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FIRST SEMESTER (FALL) 13-15

CLC 120 ^	College Success Seminar	[2]
ACC 121	Financial Accounting	4
BUS 121	Introduction to Business	3
ENG 121	English Composition I	3
MTH 122	College Algebra ¹ <i>or</i>	
MTH 127	Finite Mathematics I <i>or</i>	
MTH 222	Business Statistics <i>or</i>	
MTH 224	Calculus for Business and Social Science	3-5

SECOND SEMESTER (SPRING) 16

ACC 122	Managerial Accounting	4
BUS 221 *	Business Law I	3
CIT 111	Comprehensive Spreadsheets	3
CMM 121	Fundamentals of Speech	3
HUM 127	Critical Thinking	3

THIRD SEMESTER (FALL) 16

ACC 213	Federal Taxation of Entities	3
ACC 221	Intermediate Accounting I	4
BUS 237	Managerial Communications	3
CIT 120	Introduction to Computers	3
ECO 221	Principles of Macroeconomics	3

FOURTH SEMESTER (SPRING) 17

ACC 114	Payroll Accounting	2
ACC 171	Introduction to Quickbooks	2
ACC 172	Accounting Capstone Experience	1
ACC 214	Cost Accounting	3
BUS 223	Managerial Communications	3
BUS 132	Business Ethics	3
ECO 222	Principles of Microeconomics	3

Total Hours for AAS Degree 64-66

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* Cross listed with LGL 221

¹ There are prerequisites for MTH 122. If you do not meet those prerequisites, begin taking those classes this semester – use summer for the additional math class if needed. Certain courses are only offered certain semesters. Please check the course scheduling guide listed on the web.

² If needed, students should consider taking ACC 110 in the Summer Session before taking ACC 121.

ACCOUNTING TECHNICIAN (Certificate) Plan 22AI

This program prepares individuals for positions as accounting or financial services support personnel. Accounting positions require excellent mathematical aptitude, computer skills, good communication skills, and basic accounting knowledge. Most positions require software application skills.

SUMMER SESSION 2

ACC 110	Accounting in Business	2
CLC 120 ^	College Success Seminar	[2]

FIRST SEMESTER (FALL) 13

ACC 121	Financial Accounting	4
AMT 111	Business Communication	3
AMT 122	Business Mathematics	3
CIT 119	Introduction to Office Software	3

SECOND SEMESTER 9

BUS 121	Introduction to Business	3
CIT 111	Comprehensive Spreadsheets	3
ACC 171	Introduction to Quickbooks	2
ACC 172	Accounting Capstone Experience	1

Total Hours for Certificate 24

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

Continued on next page.

**PROFESSIONAL ACCOUNTING CERTIFICATE
TRACK 1
(Certificate) Plan 22AB**

This track assumes the student has already completed ACC 121 and ACC 122.

This certificate is designed for individuals who have earned a bachelor's degree, in any field, and would like to continue their education to qualify to sit for the Certified Public Accountant (CPA) exam.

FIRST SEMESTER	16
ACC 212 Federal Taxation of Individuals	3
ACC 221 Intermediate Accounting I	4
BUS 221* Business Law I	3
BUS 237 Managerial Communication	3
SECOND SEMESTER	14
ACC 213 Federal Taxation of Entities	3
ACC 214 Cost Accounting	3
ACC 222 Intermediate Accounting II	4
ACC 252 Research Topics in Taxation	1
BUS 132 Business Ethics	3
THIRD SEMESTER	4
ACC 251 Financial Accounting Research	1
ACC 271 Auditing	3
(plus 8 credit hours for ACC 121 and ACC 122)	
Total Hours for Certificate	34

* Cross listed with LGL 221

**PROFESSIONAL ACCOUNTING CERTIFICATE
TRACK 2
(Certificate) Plan 22AB**

This is for students who have not taken ACC 121 and ACC 122.

This certificate is designed for individuals who have earned a bachelor's degree, in any field, and would like to continue their education to qualify to sit for the Certified Public Accountant (CPA) exam.

FIRST SEMESTER (Summer)	4
ACC 121 Financial Accounting	4
SECOND SEMESTER	14
ACC 122 Managerial Accounting	4
ACC 212 Federal Taxation of Individuals	3
ACC 221 Intermediate Accounting I	4
BUS 221* Business Law I	3
THIRD SEMESTER	14
ACC 213 Federal Taxation of Entities	3
ACC 214 Cost Accounting	3
ACC 222 Intermediate Accounting II	4
ACC 252 Research Topics in Taxation	1
BUS 132 Business Ethics	3
FOURTH SEMESTER	7
ACC 251 Financial Accounting Research	1
ACC 271 Auditing	3
BUS 237 Managerial Communication	3
Total Hours for Certificate	39

* Cross listed with LGL 221

The accounting electives, Cost Accounting and Advanced Accounting, are strongly recommended for students preparing to sit for the CPA exam.

Students transferring in the equivalent of ACC 121 and/or ACC 122, for less than eight hours, will need to take additional Accounting electives to meet the required 30 hours in accounting courses.

For students preparing to sit for the CPA exam, the following additional courses are recommended to meet the 24 hour requirement in Business- BUS 111, BUS 121, BUS 222, BUS 223, ECO 221, ECO 222.

Complete CPA Requirements at CLC

To qualify to take the CPA exam in Illinois, a candidate must have:

1. A bachelor's degree, in any field;
2. 150 semester hours of college credit;
3. 30 semester hours of Accounting credit (included in 150 above), to include courses in Financial, Managerial, Taxation, Auditing; *and*
4. 24 semester hours in Business, to include Business Ethics (BUS 132) and Managerial Communication (BUS 237). Please note that although BUS 237 is a 3 credit course, only 2 hours of BUS 237 will count toward the 24 semester Business credit requirement.

Additional information and requirements for the CPA exam for those with graduate degrees in business or accounting is available on the Illinois CPA Society web page, www.icpas.org. Exam information may also be found at the Illinois Board of Examiner's site, www.ilboa.org. All students are encouraged to meet with an accounting faculty member to discuss their plan of study for the CPA exam. Call the Business and Social Sciences Division at (847) 543-2047 for faculty contact information.

Jay Chittal | Patrick Stegman | Jeffrey Varblow

**ADMINISTRATIVE
MANAGEMENT
AND TECHNOLOGY**

Business and Social Sciences Division,
Room T302, (847) 543-2047
www.clcollinois.edu/programs/amt

**ADMINISTRATIVE PROFESSIONAL
Degree: Associate in Applied Science,
Administrative Professional
Plan 22SM**

The Administrative Professional degree provides a blend of office automation skills including word processing and related computer applications leading to administrative professional positions in an office environment. In addition, students establish skills in business communication and general business skills and practices.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER 15

CLC 120 ^	College Success Seminar	[2]
AMT 112	Computer Basics/Software Applications	3
AMT 122	Business Mathematics	3
AMT 172	Business English	3
AMT 178	Intermediate Keyboarding	3
BUS 121	Introduction to Business	3

SECOND SEMESTER 14-16

AMT 111	Business Communication	3
AMT 113	Comprehensive Word Processing	3
ACC 110*	Accounting in Business <i>or</i>	
ACC 121	Financial Accounting	2-4
CIT 111	Comprehensive Spreadsheets	3
ENG 121	English Composition I	3

THIRD SEMESTER 15-16

AMT 118	Advanced Word Processing/Desktop Publishing	3
AMT 214	Administrative Office Procedures	3
AMT 215	Presentation Software	3
CMM 121	Fundamentals of Speech <i>or</i>	
CMM 128	Interviewing Practices	3
AMT 239	Social Media Marketing <i>or</i> Other Degree Elective (see AMT Electives List)	3-4

FOURTH SEMESTER 15

AMT 237	Managerial Communication	3
AMT 216	Integrated Office Projects	3
PSY 121	Introduction to Psychology <i>or</i>	
PSY 122	Industrial/Organizational Psychology	3
	Humanities or Fine Arts Elective	3
AMT 253	Leadership <i>or</i> Other Degree Elective (see AMT Electives List)	3-4

Total Hours for AAS Degree 60-61

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

*Students will need 7 hours of electives if taking ACC 110.

**ADMINISTRATIVE PROFESSIONAL
DEGREE ELECTIVES**

	ACC Elective	3
	AMT Electives (except AMT 170 or AMT 171)	1-6
	BUS Electives	1-3
	CIT Electives (except CIT 119 or CIT 120)	1-3
HIT 111	Medical Terminology	3
	LGL Electives	3

Other electives may be chosen with consent of AMT faculty.

Continued on next page.



**GENERAL OFFICE
(Certificate) Plan 22SP**

The General Office certificate prepares individuals for office positions such as general office clerk, general office assistant, and clerk-typist. This certificate emphasizes skills needed for entry-level positions and career advancement.

FIRST SEMESTER	7
CLC 120 ^ College Success Seminar	[2]
AMT 111 Business Communication <i>or</i>	
AMT 172 Business English	3
AMT 170 Computer Keyboarding I	2
AMT 171 Computer Keyboarding II	2

SECOND SEMESTER	9
AMT 112 Computer Basics/Software Applications	3
AMT 113 Comprehensive Word Processing	3
AMT 178 Intermediate Keyboarding	3

Total Hours for Certificate **16**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**OFFICE PROFESSIONAL
(Certificate) Plan 22SN**

The Office Professional certificate prepares individuals for positions using current industry software. Students complete word processing, presentation software, spreadsheet and information management courses.

FIRST SEMESTER	7
AMT 113 Comprehensive Word Processing	3
AMT 114 Outlook	1
CIT 111 Comprehensive Spreadsheets	3

SECOND SEMESTER	6
AMT 118 Advanced Word Processing/ Desktop Publishing	3
AMT 215 Presentation Software	3

Total Hours for Certificate **13**

**ADMINISTRATIVE ASSISTANT
(Certificate) Plan 22SO**

The Administrative Assistant certificate prepares individuals to perform a variety of advanced tasks and assume responsibility in the general office environment in positions with titles such as general office assistant and word processor. This certificate emphasizes word processing and related office skills for both entry-level positions and career advancement.

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
AMT 112 Computer Basics/Software Applications	3
AMT 113 Comprehensive Word Processing	3
AMT 172 Business English	3

SECOND SEMESTER	12
AMT 111 Business Communication	3
AMT 118 Advanced Word Processing/ Desktop Publishing	3
AMT 178 Intermediate Keyboarding	3
AMT 215 Presentation Software	3

THIRD SEMESTER	9
AMT 214 Administrative Office Procedures	3
CIT 111 Comprehensive Spreadsheets	3
AMT 239 Social Media Marketing <i>or</i> Other Certificate Elective	3-4
	(see AMT Electives List)

Total Hours for Certificate **30**

Administrative Assistant Certificate Electives

Select 3 hours of electives.
Other electives may be chosen with consent of AMT faculty.
AMT Elective 1-3
(except AMT 170 or AMT 171)

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**ADMINISTRATIVE LEADERSHIP
(Certificate) Plan 22SQ**

The Administrative Leadership certificate provides individuals an opportunity to improve skills needed in their present positions and gain competencies necessary for advancement and growth. This certificate concentrates on communication, managerial, and leadership skills for self-development and improved career opportunities.

FIRST SEMESTER	6
AMT 214 Administrative Office Procedures	3
AMT 233 Management Skills	3
SECOND SEMESTER	6
AMT 237 Managerial Communication	3
AMT 253 Leadership	3

Note: AMT 233 and AMT 253 are not offered the same semester.

Total Hours for Certificate **12**

For more information on recommended courses or program specific advising, contact the Business and Social Sciences Division at (847) 543-2047.

BUSINESS ADMINISTRATION

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/bus

Degree: Associate in Arts
Plan 13AB-BHI

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		16
CLC 120 ^	College Success Seminar	[2]
BUS 121	Introduction to Business	3
MTH 222	Business Statistics	4
ENG 121	English Composition I	3
CIT 120	Introduction to Computers	3
PSY 121	Introduction to Psychology	3
SECOND SEMESTER		16
BUS 227	Principles of Marketing	3
ENG 122	English Composition II	3
ECO 221	Principles of Macroeconomics	3
ESC 120	Earth Science	4
PHI 122	Logic	3
SUMMER SESSION		3
MTH 127	Finite Mathematics	3
THIRD SEMESTER		17
ACC 121	Financial Accounting	4
BUS 221*	Business Law I	3
ECO 222	Principles of Microeconomics	3
MTH 224	Calculus for Business	4
BUS 223	Principles of Management	3
FOURTH SEMESTER		16
ACC 122	Managerial Accounting	4
CMM 121	Fundamentals of Speech	3
BIO 140	Environmental Biology	3
HUM 127	Critical Thinking	3
HUM 141	World Humanities of 20/21 Century	3

* Cross listed with LGL 221

Notes: Students who qualify for MTH 224, MTH 127 and MTH 222 can complete this degree in 60 credits.

¹ A student should consult an academic advisor to determine the correct progression of math courses. The math course progression for this degree will vary depending on the student's 1) choice of 4-year institution to which to transfer and 2) math competency prior to enrolling at CLC. This schedule assumes a student will enroll in four semesters of math. Depending on a student's transfer goals or math competency, a student may need to enroll in additional math courses or may be able to substitute one of the math slots for an elective course in the second or third semester of these schedules. Transfer Institution: While each local 4-year transfer institution differs in its math requirements, most require a combination of MTH 224 (Business Calculus), MTH 127 (Finite Mathematics) and/or MTH 222 (Business Statistics). In order to qualify for these courses, students must generally also take MTH 122 (College Algebra). Math Competency: If a student does not meet the prerequisite to enroll in MTH 122, enrollment in developmental courses of MTH 102 and/or MTH 108 may be required. These courses do not apply toward the requirements of the associate degree.

² A student should consult an Academic Success Advisor to determine the most appropriate elective course. Four-year transfer institutions generally differ in their desired elective course. Please select your desired transfer institution and work with an Academic Success Advisor to align your elective course with its admittance requirements. Common elective courses may include: BUS 227 (formerly BUS 122), BUS 223, BUS 132, BUS 237 or an additional math course.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising contact, an academic success advisor, the following faculty or the Business and Social Sciences Division at (847) 543-2047.

Patty Clark | Robert Dodd
Pam Janson | Venkat Krishnamurthy



BUSINESS

**Degree: Associate in Applied Science,
Business Administration
Plan 22BN**

The Business Administration Associates in Applied Science degree is designed to prepare students for entry level positions in various fields of business. Students have the option of taking specific courses (“tracks”) to concentrate in Management, Marketing or Entrepreneurship/Small Business. Additionally, four certificates are offered in Marketing, Supervision and Entrepreneurship/Small Business Management. These certificates provide students with concentrated course-work to develop skills needed for career advancement.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER 15-17

CLC 120 ^	College Success Seminar	[2]
BUS 121	Introduction to Business	3
CIT 120*	Introduction to Computers <i>or</i>	
CIT 119	Introduction to Office Software	3
CMM 121	Fundamentals of Speech	3
ENG 121	English Composition I	3
MTH 122*	College Algebra ¹ <i>or</i> MTH* Elective (higher number than MTH 122) <i>or</i>	
AMT 122	Business Mathematics	3-5

SECOND SEMESTER 15-16

ACC 121*	Financial Accounting <i>or</i>	
ACC 110	Accounting in Business	2-4
BUS 227	Principles of Marketing (formerly BUS 122)	3
BUS 221**	Business Law I	3
ECO 222	Principles of Microeconomics	3
HUM 127	Critical Thinking <i>or</i>	
PHI 125	Introduction to Ethics General Elective (ONLY if taking ACC 110)	3 1-3

THIRD SEMESTER 15-16

ACC 122*	Managerial Accounting <i>or</i>	
BUS 111	Fundamentals of Finance	3-4
BUS 223	Principles of Management BUS, ACC or SCM Electives (select from any BUS, ACC or SCM course not already applied toward this degree)	3 9

FOURTH SEMESTER 15

BUS 237	Managerial Communication	3
ECO 221	Principles of Macroeconomics BUS, ACC or SCM Electives (select from any BUS, ACC or SCM course not already applied toward this degree)	3 9

Total Hours for AAS Degree 60-64

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**GENERAL BUSINESS ELECTIVES
(18 CREDITS REQUIRED):**

Any BUS, up to 2 SCM courses, up to 2 additional ACC courses

Recommended electives based on area of interest:

Management Track

BUS 113 / BUS 215 / BUS 233 / BUS 253

Marketing Track

BUS 213 / BUS 214 / BUS 234 / BUS 239

Entrepreneurship/Small Business Track

BUS 131 / BUS 219

* Preferred courses for students planning to transfer to a 4 year institution.

** Cross listed with LGL 221

¹There are prerequisites for MTH 122. If you do not meet those prerequisites, begin taking those classes this semester – use summer for the additional math class if needed.

Certain courses are only offered certain semesters. Please check the class schedule.

**MARKETING
(Certificate) Plan 22BG**

FIRST SEMESTER 9

CLC 120 ^	College Success Seminar	[2]
BUS 121	Introduction to Business	3
BUS 237	Managerial Communication	3
ENG 121	English Composition I	3

SECOND SEMESTER 9

BUS 234	Principles of Marketing <i>or</i>	
BUS 239	Social Media/Marketing	3
BUS 214	Advertising	3
BUS 227	Principles of Marketing (formerly BUS 122)	3

THIRD SEMESTER 9

BUS 213	Principles of Professional Selling	3
BUS 223	Principles of Management	3
BUS 238	Project Management	3

Total Hours for Certificate 27

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**SUPERVISION
(Certificate) Plan 22BK**

FIRST SEMESTER 12

CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
BUS 113	Human Resource Management	3
BUS 115	Elements of Supervision	3
BUS 121	Introduction to Business	3

SECOND SEMESTER 15

BUS 223	Principles of Management	3
BUS 237	Managerial Communication	3
BUS 238	Project Management Electives (see list below)	3 6

Total Hours for Certificate 27

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

SUPERVISION ELECTIVES

BUS 215	Operations Management	3
BUS 233	Management Skills	3
BUS 253	Leadership	3

**ENTREPRENEURSHIP/
SMALL BUSINESS MANAGEMENT
(Certificate) Plan 22BE**

FIRST SEMESTER 14-16

CLC 120 ^	College Success Seminar	[2]
ACC 110	Accounting in Business	or
ACC 121	Financial Accounting	2-4
BUS 121	Introduction to Business	3
BUS 131	Entrepreneurship	3
	Electives (see list below)	6

SECOND SEMESTER 12-13

BUS 215	Operations Management	3
BUS 219	Small Business Management	3
	Electives (see list below)	3-4
BUS 227	Principles of Marketing (formerly BUS 122)	3

Total Hours for Certificate 26-29

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

ENTREPRENEURSHIP ELECTIVES

Select a minimum of nine hours from the list below:

Any Business (BUS) course not already required 3-4

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty or the Business and Social Sciences Division at (847) 543-2047.

Patty Clark | Robert Dodd
Pam Janson | Venkat Krishnamurthy



COMPUTER INFORMATION TECHNOLOGY

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/cit

Degree: Associate in Science
Plan 11AB-CIT

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
CIT 120	Introduction to Computers	3
CIT 134	Introduction to Programming Concepts	3
ENG 121	English Composition I	3
HUM 127	Critical Thinking	3
MTH 127	Finite Mathematics	3

SECOND SEMESTER		14
CIT 141	Programming in C++	4
CMM 121	Fundamentals of Speech	3
ENG 122	English Composition II	3
BIO 120	Environmental Biology	4

THIRD SEMESTER		17
ACC 121	Financial Accounting	4
CIT 241*	Advanced C++	3
ECO 221	Principles of Macroeconomics	3
MTH 224	Calculus for Business and Social Sciences	3
	Physical Science with Lab Elective	4

FOURTH SEMESTER		14
ACC 122	Managerial Accounting	4
HUM 141	World Humanities of 20/21 Century	3
SOC 121	Introduction to Sociology	3
GEG 120	Principles of Physical Geography	4

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* Certain classes are only offered specific semesters. Check the course scheduling guide.

¹ A student should consult an Academic Success Advisor to determine the correct selection of math courses (7 credit hour minimum). The math course selection for this degree will vary depending on the student's 1) choice of 4-year institution to which to transfer and 2) math competency prior to enrolling at CLC. Depending on a student's transfer goals or math competency, a student may need to enroll in additional math courses. Math Competency: If a student does not meet the prerequisite to enroll in MTH 145, lower level math courses may be required. Students should begin taking math courses in the first semester. MTH 102 and MTH 108 do not apply toward the requirements of the associate degree. Students who qualify for MTH 145 can complete this degree in 61 credit hours.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty members or the Business and Social Sciences Division at (847) 543-2047:

Eric Berkowitz | Changyi Chen | Sanjay Kumar
Robert Scherbaum

COMPUTER INFORMATION TECHNOLOGY

**Degree: Associate in Applied Science,
Computer Information Technology
Plan 22DC**

The Computer Information Technology degree is designed to provide knowledge and skills needed for employment in the field of computer technology. The degree provides three specialty options: Computer Forensics, Network Administration and Security, and Web Programming. All three specialty options share a common core of general education and introductory computer courses. Each specialty option has its own unique core of courses and electives.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

COMPUTER FORENSICS SPECIALTY OPTION

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
CIT 111	Comprehensive Spreadsheets or	
CIT 112	Comprehensive Database	3
CIT 120	Introduction to Computers	3
CIT 134	Introduction to Programming	3
CIT 130	Operating Systems for A+ Certification	3
CIT 139	CCNAI: Introduction to Networks	3
SECOND SEMESTER		15
ENG 121	English Composition I	3
CIT 152	Network Security Fundamentals	3
CIT 155	Introduction to Computer Forensics	3
CIT 256	Windows Forensics Analysis	3
*	Computer Forensics Elective	3
THIRD SEMESTER		15
CIT 132	Linux Operating System	3
CIT 170	Web Page Development	3
HUM 141 *	World Humanities of 20/21 Century or other Fine Arts elective	3
ELT 151	PC Hardware Fundamentals	3
CRJ 223 *	Ethics in Criminal Justice	3

FOURTH SEMESTER		15-17
AMT 122	Business Mathematics or	
MTH 122	College Algebra or MTH Elective higher than MTH 122	3-5
ECO 222 *	Principles of Microeconomics	3
CMM 111	Communication Skills or	
CMM 121	Fundamentals of Speech or	
CMM 128	Interviewing Practices	3
CIT 258	Network Forensics	4
CIT 259	Topics in Computer Forensics	2

COMPUTER FORENSICS ELECTIVE (CHOOSE TWO)

CRJ 121	Introduction to Criminal Justice	3
CRJ 123	Introduction to Criminology	3
CRJ 219	Principles of Criminal Investigation	3
CRJ 222	Criminal Procedural Law	3
CRJ 223	Ethics in Criminal Justice	3

**Total Hours for A.A.S. Degree
(Specialty Option:
Computer Forensics) 60-62**

* Recommended course but check with your transfer institution.

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

Continued on next page.

**NETWORK ADMINISTRATION
AND CYBERSECURITY
SPECIALTY OPTION**

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
CIT 111 Comprehensive Spreadsheets <i>or</i>	
CIT 112 Comprehensive Database	3
CIT 120 Introduction to Computers	3
CIT 134 Introduction to Programming	3
CIT 131 Windows Operating System	3
CIT 139 CCNAI: Introduction to Networks	3

SECOND SEMESTER	15
ENG 121 English Composition I	3
CIT 133 Networking Automation	3
CIT 151 Windows Server Administration	
CIT 152 Network Security Fundamentals	3
CIT 159 CCNAII: Switching, Routing and Wireless Essentials	3

THIRD SEMESTER	15
CIT 132 Linux Operating System	3
CIT 170 Web Page Development	3
HUM 141 World Humanities of 20/21 Century <i>or</i> other Fine Arts elective	3
CIT 252 Hardening the Infrastructure Elective* Recommended: CIT 255 Server Virtualization Technologies	3
CIT 162 Ethical Hacking <i>or</i> other Network Administration and Cybersecurity elective	3

FOURTH SEMESTER 15-17

AMT 122 Business Mathematics <i>or</i>	
MTH 122 College Algebra <i>or</i> MTH Elective higher than MTH 122	3-5
ECO 222 Principles of Microeconomics	3
CMM 111 Communication Skills <i>or</i>	
CMM 121 Fundamentals of Speech <i>or</i>	
CMM 128 Interviewing Practices	3
CIT 254 Advanced Windows Server	3
CIT 261 Cybersecurity Analyst <i>or</i> other Network Administration and Cybersecurity elective	3

**NETWORK ADMINISTRATION AND
CYBERSECURITY ELECTIVES
(CHOOSE TWO)**

ELT 151 PC Hardware Fundamentals	3
CIT 162 Ethical Hacking	3
CIT 261 Cybersecurity Analyst	3
CIT 255 Server Virtualization Technologies <i>(Recommended)</i>	3
CIT 157 Configuring and Supporting Windows Devices <i>(Recommended)</i>	3
CIT 218 CCNAIII: Enterprise Networking, Security and Automation	3
CIT 253 Network Defense and Countermeasures	3
CIT 272 Enterprise Messaging Administration	3

**Total Hours for A.A.S. Degree
(Specialty Option: Network
Administration and Cybersecurity) 60-62**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**WEB PROGRAMMING
SPECIALTY OPTION**

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
CIT 111 Comprehensive Spreadsheets <i>or</i>	
CIT 112 Comprehensive Database	3
CIT 120 Introduction to Computers	3
CIT 134 Introduction to Programming Web Programming Elective*	3
Web Programming Elective*	3

SECOND SEMESTER	16
ENG 121 English Composition I	3
CIT 113 Introduction to SQL	3
CIT 138 Introduction to C# Programming	3
CIT 141 Programming in C++ <i>or</i>	
MCS 141 Computer Science 1	4
CIT 174 Adobe Dreamweaver	3

THIRD SEMESTER	14
CIT 132 Linux Operating System	3
CIT 170 Web Page Development	3
HUM 141 World Humanities of 20/21 Century <i>or</i> other Fine Arts elective	3
Web Programming Elective*	3
Web Programming Elective*	2

FOURTH SEMESTER	15-17
MTH 122 College Algebra <i>or</i> MTH Elective higher than MTH 122	3-5
ECO 222 Principles of Microeconomics	3
CMM 111 Communication Skills <i>or</i>	
CMM 121 Fundamentals of Speech <i>or</i>	
CMM 128 Interviewing Practices	3
CIT 171 Web Page Scripting	3
CIT 173 PHP Programming	3

WEB PROGRAMMING ELECTIVES
Select at least one DMD course and two CIT courses 9

**Total Hours for A.A.S. Degree
(Specialty Option:
Web Programming) 60-62**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**CISCO NETWORKING
(Certificate) Plan 22CE**

This program provides students with a strong background in computer networking, including network fundamentals, routing, switching, network design, troubleshooting, and network security. The program prepares students for the Cisco Certified Network Associate (CCNA) exam. The courses use instructional materials provided by Cisco and aligned with the exams. Students receive extensive hands-on laboratory practice in Cisco systems.

FIRST SEMESTER	3
CIT 139 CCNAI: Introduction to Networks	3
SECOND SEMESTER	3
CIT 159 CCNAII: Switching, Routing and Wireless Essentials	3
THIRD SEMESTER	3
CIT 218 CCNAIII: Enterprise Networking, Security and Automation	3
Total Hours for Certificate	9

**DESKTOP SUPPORT TECHNICIAN
(Certificate) Plan 22CI**

This certificate prepares students for desktop support and customer support jobs. It prepares the student for the A+ Certification (PC-Technician) test and the Microsoft Desktop Support Technician Certification test. These two certifications are useful in obtaining an entry-level job in the Information Technology field.

FIRST SEMESTER	12
CIT 130 Operating Systems for A+ Certification	3
CIT 131 Windows Operating System	3
CIT 157 Configuring and Supporting Windows Devices	3
ELT 151 PC Hardware Fundamentals	3
Total Hours for Certificate	12

**NETWORK ADMINISTRATION
AND CYBERSECURITY
(Certificate) Plan 22CK**

The Network Administration and Security certificate prepares students for careers in designing and administering computer networks. In addition, coursework for this curriculum addresses how to keep networks secure from outside intrusion and procedures on securing evidence if network security has been breached.

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
CIT 131 Windows Operating System	3
CIT 132 Linux Operating System	3
CIT 139 CCNAI: Introduction to Networks	3
SECOND SEMESTER	12
CIT 133 Networking Automation	3
CIT 151 Windows Server Administration	3
CIT 152 Network Security Fundamentals	3
CIT 159 CCNAII: Switching, Routing and Wireless Essentials	3
THIRD SEMESTER	6
CIT 252 Hardening the Infrastructure	3
CIT 162 Ethical Hacking	3
FOURTH SEMESTER	9
CIT 253 Network Defense and Countermeasures	3
CIT 254 Advanced Windows Server	3
CIT 261 Cybersecurity Analyst	3
Total Hours for Certificate	36

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Continued on next page.

**CYBERSECURITY
(Certificate) Plan 22DD**

This certificate program will prepare students to protect businesses as well as other institutions that currently use electronic commerce from malicious cyber-attacks and data theft. Managing information security is achieved through confidentiality, data and system integrity and availability. The certificate is based on information security concepts, principles, methods, techniques, practices, and procedures that guide today's IT security professionals. This program prepares graduates to become employed as Cybersecurity specialists, Security analysts, vulnerability analyst, and Firewall and VPN specialists. Course work includes foundational courses in network operating systems and network automation. This is followed by the coursework in the cybersecurity field, so students understand and know how to look for weaknesses and vulnerabilities in target systems. The certificate is designed for professionals returning to upgrade skills or students who are interested in obtaining employment skills in IT security professions. The certificate can be completed as a student progresses through the CIT AAS degree program with the specialty option of Network Administration and Cybersecurity. After completion of this coursework, the student will be prepared to take certification exams for Security+, Linux+, C|EH, CySA+, and Cisco Cybersecurity Cyber Ops.

FIRST SEMESTER	13
CLC 120 ^ College Success Seminar	[2]
CIT 131 Windows Operating System	3
CIT 132 Linux Operating System	3
CIT 139 CCNAI: Introduction to Networks	3
CIT 142 Programming in Python	4
SECOND SEMESTER	12
CIT 133 Networking Automation	3
CIT 151 Windows Server Administration	3
CIT 152 Network Security Fundamentals	3
CIT 162 Ethical Hacking	3
THIRD SEMESTER	9
CIT 252 Hardening the Infrastructure	3
CIT 253 Network Defense and Countermeasures	3
CIT 261 Cybersecurity Analyst	3
Total Hours for Certificate	34

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**WEB PROGRAMMING
(Certificate) Plan 22CN**

The Web Programming certificate provides students with the necessary skills to begin a career in web development. The student will learn to create web pages and interfaces using client- and server-side programming for the development of web applications. The student will also develop web pages incorporating database applications and components, which will include database administration, security and maintenance.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
CIT 112 Comprehensive Database	3
CIT 134 Introduction to Programming	3
CIT 170 Web Page Development	3
CIT 174 Adobe Dreamweaver	3
SECOND SEMESTER	16
CIT 113 Introduction to SQL	3
CIT 138 Introduction to C# Programming	3
CIT 142 Programming in Python	4
CIT 171 Web Page Scripting	3
CIT 173 PHP Programming	3
Total Hours for Certificate	28

**PROGRAMMING
(Certificate) Plan 22CO**

The C++ Programming certificate is centered in object oriented technologies. The certificate is intended to enhance programming skills by providing knowledge and experience in the C++ language in a minimal amount of time. It includes interaction with databases and the utilization of a systems approach to problem solving.

CLC 120 ^ College Success Seminar	[2]
FIRST SEMESTER	3
CIT 112 Comprehensive Database	3
SECOND SEMESTER	7
CIT 113 Introduction to SQL	3
CIT 141 Programming in C++	4
THIRD SEMESTER	7
CIT 142 Programming in Python	4
CIT 241 Advanced C++	3
Total Hours for Certificate	17

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**COMPUTER FORENSICS ANALYST
(Certificate) Plan 22CT**

This program is designed for individuals in both law enforcement and the private sector who wish to learn the skills needed to become a Computer Forensics Analyst. The primary responsibilities of a Computer Forensics Analyst are to collect, secure, and analyze data with evidential value found on digital media and data networks. Students completing this certificate will have a solid foundation in operating systems, networking, digital forensic methodologies and IT Security. Students will learn crime scene notetaking, report writing, and presentation of findings.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
CIT 130 Operating Systems for A+ Certification	3
CIT 132 Linux Operating System	3
CIT 139 CCNAI: Introduction to Networks	3
ELT 151 PC Hardware Fundamentals	3
CIT 155 Introduction to Computer Forensics	3
SECOND SEMESTER	6
CIT 256 Windows Forensics Analysis	3
CIT 152 Network Security Fundamentals	3
THIRD SEMESTER	5-7
CIT 258 Network Forensics	4
CIT 259 Topics in Computer Forensics	1-3
Total Hours for Certificate	26-28

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty members or the Business and Social Sciences Division at (847) 543-2047:

Changyi Chen | Sanjay Kumar
Robert Scherbaum

ECONOMICS

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/eco

**Degree: Associate in Arts
Plan 13AB**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER 15-16

CLC 120 ^	College Success Seminar	[2]
BUS 121	Introduction to Business	3
ECO 221	Principles of Macroeconomics <i>or</i>	
ECO 222	Principles of Microeconomics	3
ENG 121	English Composition I	3
MTH 127	Finite Math <i>or</i>	
MTH 222	Business Statistics	3-4
PSC 121	American National Politics	3

SECOND SEMESTER 16

ACC 121	Financial Accounting	4
ENG 122	English Composition II	3
ECO 221	Principles of Macroeconomics <i>or</i>	
ECO 222	Principles of Microeconomics	3
HST 122	History of Western Civilization 1500 to Present	3
PSC 122	State and Local Politics	3

THIRD SEMESTER 15

CMM 121	Fundamentals of Speech	3
PHI 122	Logic	3
ECO 223	Money, Banking and Financial Markets	3
GEG 122	Cultural Geography	3
HUM 122	Humanities: Renaissance to the Present	3

FOURTH SEMESTER 16-17

MTH 145	Calculus and Analytic Geometry I <i>or</i>	
MTH 224	Calculus for Business and Social Science	4-5
SOC 121	Introduction to Sociology <i>or</i>	
ANT 221	Cultural Anthropology	3
ECO 224	Public Finance	3
GEG 123	World Regional Geography	3
HUM 127	Critical Thinking	3

CONCENTRATION/ELECTIVES

ANT 221	Cultural Anthropology	3
BUS 221*	Business Law I	3
ECO 221	Principles of Macroeconomics	3
ECO 222	Principles of Microeconomics	3
ECO 223	Money, Banking and Financial Markets	3
ECO 224	Public Finance	3
MTH 222	Business Statistics	4
PSC 121	State and Local Politics	3
PSC 221	Comparative Political Systems	3
PSC 222	International Relations	3
PSY 121	Introduction to Psychology	3
	Additional Electives as Needed	7

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* Cross listed with LGL 221

Math requirements vary at four-year institutions

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty or the Business and Social Sciences Division at (847) 543-2047.

Stefan Mullinax | Tonitta White





HOSPITALITY AND CULINARY MANAGEMENT

**Business and Social Sciences Division,
Room T302, (847) 543-2047
www.clcillinois.edu/programs/hcm**

**Degree: Associate in Applied Science,
Hospitality and Culinary Management
Plan 22FB**

The Hospitality and Culinary Management program provides students with technical skills in food production and food operations and prepares students for managerial positions in the hospitality industry. Students can pursue careers as cooks, chefs, bakers, pastry chefs, and supervisors and managers in restaurants, clubs, hotels and resorts. Students acquire skills in food sanitation and safety, culinary principles, baking and pastry, supervision and leadership, menu development, purchasing and cost control.

The Hospitality and Culinary Management program is a partner of the National Restaurant Association Educational Foundation (NRAEF). Upon completion of the A.A.S. degree program students qualify to apply for the NRAEF Diploma, a nationally recognized credential in the hospitality industry. The Hospitality and Culinary Management curriculum is aligned with the educational standards of the American Culinary Federation (ACF). CLC courses in Hospitality Supervision, Nutrition, and ServSafe: Foodservice Sanitation meet the initial certification and/or re-certification requirements for the ACF Chefs Certification Program.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER		12
CLC 120 ^	College Success Seminar	[2]
HCM 110	Introduction to Hospitality Industry	3
HCM 111	Culinary Principles I	5
HCM 113	ServSafe: Food Service Sanitation	1
AMT 122	Business Math <i>or</i>	
MTH 114	Applied Mathematics I <i>or</i> higher Math Elective	3

SECOND SEMESTER		16
HCM 170	Patisserie I	5
HCM 112	Culinary Principles II	5
HCM 212	Menu Marketing and Management	3
HCM 213	Purchasing and Inventory Control	3

THIRD SEMESTER		14
HCM 171	Culinary Principles III	5
HCM 175	Nutrition	3
PSY 121	Introduction to Psychology <i>or</i>	
PSY 122	Industrial/Organizational Psychology Humanities <i>or</i> Fine Arts Elective*	3

FOURTH SEMESTER		16
HCM 185	Garde Manger	4
HCM 214	Hospitality Supervision HCM Elective	3
ENG 120	Technical Composition I <i>or</i>	
ENG 121	English Composition I	3
CMM 121	Fundamentals of Speech <i>or</i>	
CMM 122	Business and Professional Speaking <i>or</i>	
CMM 123	Dynamics of Small Group Discussion <i>or</i>	
CMM 128	Interviewing Practices	3

FIFTH SEMESTER		11
HCM 275	Contemporary Restaurant Principles	5
HCM 273	Controlling Hospitality Costs HCM Elective	3

Total hours for A.A.S. Degree 69

HCM ELECTIVES

HCM 114	Introduction to Beverage Appreciation	1
HCM 150	Contemporary Restaurant Breakfast	3
HCM 151	American Regional Cuisine	3
HCM 152	European Cuisine	3
HCM 153	Latin American Cuisine	3
HCM 154	Italian Regional Cuisine	3
HCM 155	French Regional Cuisine	3
HCM 159	Culinary Arts Study Abroad	1-3
HCM 271	Hospitality Leadership	3
HCM 272	Culinary and Hospitality Internship	3
HCM 299	Selected Topics in Hospitality	1-5

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

BAKING AND PASTRY ARTS

**Degree: Associate in Applied Science,
Baking and Pastry Arts
Plan 22FK**

The Baking and Pastry Arts program provides students with the knowledge and technical skills needed for employment in the baking and pastry industry. Students can pursue careers as bakers and pastry chefs in bakeries, restaurants, hotels, country clubs, retail stores and catering. Students acquire basic and advanced skills including artisan bread making, European tortes and pastries, chocolate work, frozen desserts, special diets and healthful baking. The program also prepares students for managerial positions in the pastry industry.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
HCM 110 Introduction to Hospitality Industry	3
HCM 113 ServSafe: Food Service Sanitation	1
HCM 170 Patisserie I	5
AMT 122 Business Math <i>or</i>	
MTH 114 Applied Mathematics I <i>or</i> higher Math Elective	3
PSY 121 Introduction to Psychology <i>or</i>	
PSY 122 Industrial/Organizational Psychology	3
SECOND SEMESTER	17
HCM 172 Patisserie II	5
HCM 212 Menu Marketing and Management	3
HCM 213 Purchasing and Inventory Control	3
HCM 214 Hospitality Supervision Baking and Pastry Elective (see list)	3

THIRD SEMESTER	17-18
HCM 173 Patisserie III	5
HCM 175 Nutrition Baking and Pastry Elective (see list)	3
CMM 121 Fundamentals of Speech <i>or</i>	
CMM 122 Business and Professional Speaking <i>or</i>	
CMM 123 Dynamics of Small Group Discussion <i>or</i>	
CMM 128 Interviewing Practices Humanities <i>or</i> Fine Arts Elective*	3
FOURTH SEMESTER	18-19
ENG 120 Technical Composition I <i>or</i>	
ENG 121 English Composition I	3
HCM 174 Advanced Pastry	5
HCM 273 Controlling Hospitality Costs Baking and Pastry Elective (see list)	3
HCM 178 Special Diets and Healthful Baking	3-4
	4

Total hours for A.A.S. Degree 67-69

BAKING AND PASTRY ELECTIVES

Select at least 9-11 hours from the list below:

HCM 176 Yeast Breads	3
HCM 177 Advanced Yeast Breads	3
HCM 179 Cake Decorating	4
HCM 180 Chocolate and Confections	3
HCM 181 Contemporary Restaurant Desserts	3
HCM 159 Culinary Arts Study Abroad	3
HCM 272 Culinary and Hospitality Internship	3

BAKING AND PASTRY ASSISTANT (Certificate) Plan 22FJ

This program prepares students for entry-level employment in bakeshop operations in the food service industry, including bakeries, restaurants, hotels, country clubs, retail stores, catering, institutional foodservice and commercial foodservice operations. The program provides students with an understanding of the varied career choices in the hospitality industry. Students gain a basic level of baking and pastry skills and competence in food safety and sanitation practices. Students learn how to use recipes and prepare a variety of breads and pastries including quick breads, yeast breads, pies, pastries, tarts, custards, mousses, and cakes, as well as plate presentation. Students earn the ServSafe Foodservice Sanitation license as a part of this certificate.

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
HCM 110 Introduction to Hospitality Industry	3
HCM 113 ServSafe: Food Service Sanitation	1
HCM 170 Patisserie I	5
SECOND SEMESTER	8
HCM 172 Patisserie II	5
HCM 214 Hospitality Supervision	3
Total hours for Certificate	17

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Continued on next page.

**PASTRY CHEF ASSISTANT
(Certificate) Plan 22FL**

This certificate builds on the Baking and Pastry Assistant certificate and provides students with advanced level baking and pastry skills to prepare students for advanced career opportunities in the pastry industry. Students can acquire skills including advanced and artisan bread making, European tortes and pastries, advanced pastries, confectionery, chocolate work, frozen desserts, specialized diets and healthful baking.

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
HCM 110 Introduction to Hospitality Industry	3
HCM 113 ServSafe: Food Service Sanitation	1
HCM 170 Patisserie I	5
SECOND SEMESTER	11
HCM 172 Patisserie II	5
HCM 214 Hospitality Supervision	3
Baking and Pastry Elective (see list)	3
THIRD SEMESTER	11-12
HCM 173 Patisserie III	5
Baking and Pastry Elective (see list)	3
Baking and Pastry Elective (see list)	3-4
Total hours for Certificate	31

BAKING AND PASTRY ELECTIVES

Select at least 9 hours from the list below:

HCM 176 Yeast Breads	3
HCM 177 Advanced Yeast Breads	3
HCM 178 Special Diets and Healthful Baking	4
HCM 179 Cake Decorating	4
HCM 180 Chocolate and Confections	3
HCM 272 Culinary and Hospitality Internship	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**PROFESSIONAL COOK
(Certificate) Plan 22FD**

This program prepares students for entry-level employment in the food service industry. Courses provide an introduction to the hospitality industry and emphasize hands-on cooking techniques, sanitation and safety. Students learn to use recipes and equipment in a commercial kitchen to prepare stocks, sauces, soups, vegetables, starches, salads, and salad dressings. Students earn the ServSafe Foodservice Sanitation license as a part of this certificate.

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
HCM 110 Introduction to Hospitality Industry	3
HCM 111 Culinary Principles I	5
HCM 113 ServSafe: Food Service Sanitation	1
SECOND SEMESTER	8
HCM 112 Culinary Principles II	5
HCM 214 Hospitality Supervision	3
Total hours for Certificate	17

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**PROFESSIONAL CHEF
(Certificate) Plan 22FH**

This program builds upon the Professional Cook Certificate and provides students with advanced level culinary skills. Students learn advanced cooking techniques for meat, poultry, seafood and breakfast cookery as well as basic baking techniques. Courses emphasize nutrition, sanitation and safety, and purchasing and inventory management. Students who complete this certificate meet the American Culinary Federation (ACF) initial certification and recertification requirements for the Sanitation, Nutrition and Supervision courses in the ACF Chefs Certification program.

FIRST SEMESTER	14
CLC 120 ^ College Success Seminar	[2]
HCM 110 Introduction to Hospitality Industry	3
HCM 111 Culinary Principles I	5
HCM 113 ServSafe: Food Service Sanitation	1
HCM 170 Patisserie I	5
SECOND SEMESTER	11
HCM 112 Culinary Principles II	5
HCM 175 Nutrition	3
HCM 213 Purchasing and Inventory Control	3
THIRD SEMESTER	8
HCM 171 Culinary Principles III	5
HCM 214 Hospitality Supervision	3
Total hours for Certificate	33

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**HOSPITALITY SUPERVISOR
(Certificate) Plan 22FG**

This program prepares students for entry-level supervisory positions in restaurants, hotels, country clubs, catering, institutional foodservice and commercial foodservice operations. The program provides students with an understanding of the varied career choices in the hospitality industry. Students gain a basic level of cooking skills, and competence in food safety and sanitation practices. Students learn basic supervisory techniques, purchasing, and inventory control. As a part of this certificate, students earn the ServSafe Foodservice Sanitation license and the National Restaurant Association Educational Foundation (NRAEF) ManageFirst certificates for the Introduction to the Hospitality Industry course, Hospitality Supervision course, and Purchasing and Inventory Control course.

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
HCM 110 Introduction to Hospitality Industry	3
HCM 111 Culinary Principles I	5
HCM 113 ServSafe: Food Service Sanitation	1
SECOND SEMESTER	9
HCM 175 Nutrition	3
HCM 213 Purchasing and Inventory Control	3
HCM 214 Hospitality Supervision	3
Baking and Pastry Elective	3
Total hours for Certificate	18

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**HOSPITALITY MANAGER
(Certificate) Plan 22FI**

This program builds upon the Hospitality Supervisor Certificate and prepares students for advanced level employment as a member of a management team in the hospitality industry. This certificate emphasizes the development and application of managerial and leadership skills. Students acquire skills in menu design, cost control, and continuous improvement. Upon completion of this certificate students will meet the American Culinary Federation (ACF) initial certification and re-certification requirements for the Sanitation, Nutrition, and Supervision courses for the ACF Chefs Certification program.

Additionally, students will receive National Restaurant Association Educational Foundation (NRAEF) ManageFirst certificates for the Menu Marketing and Management course, Hospitality Supervision course and Cost Control course. Completion of this certificate will qualify the student to apply for the NRAEF ManageFirst Diploma, which is a nationally recognized industry credential.

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
HCM 110 Introduction to Hospitality Industry	3
HCM 111 Culinary Principles I	5
HCM 113 ServSafe: Food Service Sanitation	1
SECOND SEMESTER	14
HCM 112 Culinary Principles II	5
HCM 212 Menu Marketing and Management	3
HCM 213 Purchasing and Inventory Control	3
HCM 214 Hospitality Supervision	3

THIRD SEMESTER	12
HCM 175 Nutrition	3
HCM 271 Hospitality Leadership	3
HCM 273 Controlling Hospitality Costs	3
HCM 272 Culinary and Hospitality Internship <i>or</i> HCM Elective	3

Total hours for Certificate 35

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty members or the Business and Social Sciences Division at (847) 543-2047.

Teresa Novinska | William Vena



SUPPLY CHAIN MANAGEMENT

**Business and Social Sciences Division,
Room T302, (847) 543-2047
www.clcillinois.edu/programs/scm**

**Degree: Associate in Applied Science,
Supply Chain Management
Plan 22BO**

This degree will provide students with the knowledge and skills for employment within the supply chain area. Supply Chain Management focuses on the flow of materials end-to-end beginning with procurement and ending with delivery to the customer. The coursework is designed for careers focused on procurement, inventory management, warehousing, distribution, logistics and transportation. This degree will provide a better understanding of how each of the areas affects the other and how to best achieve efficiency and profitability for the organization. Courses for this degree are offered online, hybrid or in the classroom. Graduates of the degree program will hone their skills for front-line supervisory/team lead positions in warehouses, distribution centers, and operation centers. The AAS degree can be accomplished in a two year time frame. Grainger has generously supported the development of this program.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER 15-17

CLC 120 ^	College Success Seminar	[2]
BUS 121	Introduction to Business	3
CIT 111	Comprehensive Spreadsheets <i>or</i>	
CIT 119	Introduction to Office Software <i>or</i>	
CIT 120	Introduction to Computers	3
SCM 110 ¹	Introduction to Supply Chain Management	3
MTH 122 ²	College Algebra <i>or</i>	
MTH 127	Finite Mathematics <i>or</i>	
MTH 142	General Education Statistics <i>or</i>	
MTH 222	Business Statistics <i>or</i>	
AMT 122	Business Mathematics	3-5
ENG 121	English Composition I	3

SECOND SEMESTER 14-20

ACC 121	Financial Accounting <i>or</i>	
ACC 110	Accounting in Business	2-4
BUS 221 ***	Business Law I	3
ENG 126	Advanced Composition: Scientific and Technical Communication <i>or</i>	
AMT 111	Business Communication	3
SCM 115	Sourcing and Procurement	3
SCM 120	Inventory Management and Planning	3
	General Elective required to meet 60-credit minimum for degree ONLY if taking the combination of AMT 122, ACC 110, and BUS 111 courses.	1-4

THIRD SEMESTER 15-16

SCM 125	Warehousing and Distribution	3
SCM 130	Logistics and Transportation	3
ACC 122	Managerial Accounting <i>or</i>	
BUS 111	Fundamentals of Finance	3-4
ECO 222	Principles of Microeconomics	3
SCM 215	Operations Management <i>or</i>	
BUS 215	Operations Management	3

FOURTH SEMESTER 15

HUM 127	Critical Thinking <i>or</i>	
PHI 125	Introduction to Ethics	3
CMM 121	Fundamentals of Speech	3
SCM 150 *	Supply Chain Management Capstone	3
BUS 115 ²	Elements of Supervision <i>or</i>	
BUS 223 **	Principles of Management	3
ECO 221	Principles of Macroeconomics	3

Total Hours for AAS Degree 60-68

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* SCM 150: Prerequisite is 18 hours of SCM coursework

** BUS 223 requires BUS 121 as a prerequisite

*** Cross listed with LGL 221

¹ Recommended prior to SCM 110: Basic Algebra Readiness. Also, if working toward the Supply Chain Management Associate of Applied Science, completion of the required Math course (MTH 122 or MTH 127 or MTH 142 or MTH 222 or AMT 122) before SCM 110 is helpful.

² If transferring, confirm appropriate course choice.

**INTRODUCTION TO SUPPLY CHAIN
MANAGEMENT
(Certificate) Plan 22BP**

This certificate will provide students with the knowledge and skills for employment within the supply chain area. Supply Chain Management focuses on the flow of materials end-to-end beginning with procurement and ending with delivery to the customer. The coursework is designed for careers focused on procurement, inventory management, warehousing, distribution, logistics and transportation. This certificate will provide a better understanding of how each of the areas affects the other and how to best achieve efficiency and profitability for the organization. Courses for this certificate are offered online, hybrid or in the classroom. The Introduction to Supply Chain Management certificate can be completed in two semesters and combined with general education requirements and additional program specific courses to earn an A.A.S. degree in Supply Chain Management. Grainger has generously supported the development of this program.

FIRST SEMESTER	12
BUS 121 Introduction to Business	3
CIT 111 Comprehensive Spreadsheets <i>or</i>	
CIT 119 Introduction to Office Software <i>or</i>	
CIT 120 Introduction to Computers	3
SCM 110* Introduction to Supply Chain Management	3
BUS 115 Elements of Supervision <i>or</i>	
BUS 223** Principles of Management	3

SECOND SEMESTER	3
SCM 215 Operations Management <i>or</i>	
BUS 215 Operations Management	3

Total Hours for Certificate **15**

* Recommended prior to SCM 110:
Basic Algebra Readiness
** BUS 223 requires BUS 121 as a prerequisite

**ADVANCED SUPPLY CHAIN MANAGEMENT
(Certificate) Plan 22BQ**

This certificate will provide students with the knowledge and skills for employment within the supply chain area. Supply Chain Management focuses on the flow of materials end-to-end beginning with procurement and ending with delivery to the customer. The coursework is designed for careers focused on procurement, inventory management, warehousing, distribution, logistics and transportation. This certificate will provide a better understanding of how each of the areas affects the other and how to best achieve efficiency and profitability for the organization. Courses for this certificate are offered online, hybrid or in the classroom. The Advanced Supply Chain Management certificate can be combined with general education requirements and additional program specific courses to earn an A.A.S. degree in Supply Chain Management. Grainger has generously supported the development of this program.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
BUS 121 Introduction to Business	3
CIT 111 Comprehensive Spreadsheets <i>or</i>	
CIT 119 Introduction to Office Software <i>or</i>	
CIT 120 Introduction to Computers	3
SCM 110 Introduction to Supply Chain Management	3
BUS 115 Elements of Supervision <i>or</i>	
BUS 223** Principles of Management	3

SECOND SEMESTER	15
SCM 215 Operations Management <i>or</i>	
BUS 215 Operations Management	3
SCM 115 Sourcing and Procurement	3
SCM 120 Inventory Management and Planning	3
SCM 125 Warehousing and Distribution	3
SCM 130 Logistics and Transportation	3

THIRD SEMESTER	3
SCM 150* Supply Chain Management Capstone	3

Total Hours for Certificate **30**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* SCM 150: Prerequisite is 18 hours of SCM coursework
** BUS 223 requires BUS 121 as a prerequisite

For more information on recommended courses or program specific advising, contact Pam Janson at pjanson@clcollinois.edu or (847) 543-2534 or the Business and Social Sciences Division at (847) 543-2047.

HUMANITIES, CULTURE AND GLOBAL STUDIES



ENGLISH LITERATURE

- English A.A.

HUMANITIES

- Humanities A.A.

INTERNATIONAL STUDIES

- International Studies A.A.

LATIN-AMERICAN STUDIES

- Latin-American Studies A.A.

PHILOSOPHY

- Philosophy A.A.

TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES

- Teaching English Learners (TEL) Certificate
- Teaching English to Speakers of Other Languages (TESOL) Certificate
- Teaching English as a Foreign Language (TEFL) Certificate

WORLD LANGUAGES

- World Languages French A.A.
- World Languages Spanish A.A.

ENGLISH LITERATURE

Communication Arts, Humanities and Fine
Arts Division, Room B213, (847) 543-2040
www.clcollinois.edu/programs/eng

Degree: Associate in Arts
Plan 13AB-ENGL

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		12
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
	Humanities Fine Arts Elective (non-English)	3
	Social Science Elective	3
	Math Elective	3

SECOND SEMESTER		16
ENG 122	English Composition II	3
ENG	Any ENG Literature course	3
CMM 121	Fundamentals of Speech	3
	Social and Behavioral Sciences Elective	3
	Foreign Language	4

THIRD SEMESTER		16-18
ENG	Any ENG Literature course	3
	Humanities Fine Arts Elective (non-English)	3
	Physical Science ¹	3-5
	Social Science Elective	3
	Foreign Language	4

FOURTH SEMESTER		15-16
ENG	Any ENG Literature course	3
ENG	Any ENG Writing course	3
	Life Science ¹	3-4
	Humanities Fine Arts Elective (non-English)	3
	General Elective	3

ENGLISH LITERATURE COURSES

ENG 129	Women in Literature (I/M)*
ENG 199	Topics in Literature
ENG 223	Early American Literature
ENG 225	Survey of British Literature I
ENG 226	Survey of British Literature II
ENG 227	Introduction to Shakespeare
ENG 228	World Literature (I/M)*
ENG 229	American Literature : 20th Century to Present
ENG 241	Introduction to Poetry
ENG 243	Introduction to Fiction
ENG 244	Mythology and Fairy Tales (I/M)*
ENG 246	Latin American Writers (I/M)*
ENG 249	Children's Literature

ENGLISH WRITING COURSES

ENG 124	Newswriting
ENG 220	Introduction to Scripts for the Screen
ENG 222	Creative Writing
ENG 224	Creative Writing II (fiction, creative non-fiction, poetry)

¹ One Science must include Lab

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

Nolan Chessman | Kathyne Starzec





HUMANITIES

Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/hum

Degree: Associate in Arts
Plan 13AB-HUM

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
	Humanities Fine Arts Elective	3
	Area of Concentration/ Elective Requirements	3
	Math Elective	3
HST 121	History of Western Civilizations to 1500	3
SECOND SEMESTER		15-17
ENG 122	English Composition II	3
	Fine Arts Elective	3
	Area of Concentration/ Elective Requirements	6
	Physical Science ¹	3-5

THIRD SEMESTER		15-16
CMM 121	Fundamentals of Speech	3
	Humanities Elective	3
	Area of Concentration/ Elective Requirements	6
	Life Science ¹	3-4

FOURTH SEMESTER		14
	Area of Concentration/ Elective Requirements	8
ANT 221	Cultural Anthropology	3
	Social Science Elective	3

¹ One Science must include Lab

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S.). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

Christopher Cooling | Patrick Gonder
Leslie Hopkins | John Kupetz | Jenny Lee
Robert Lossmann | Nick Schevera
Jackie Trimier

INTERNATIONAL STUDIES

Business and Social Sciences Division,
Room T302, (847) 543-2047
www.clcillinois.edu/programs/int

**Degree: Associate in Arts
Plan 13AB-INS**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
ENG 121 English Composition I	3
MTH 140 Contemporary Mathematics	3
SSI 121 Introduction to Global Studies	or
SOC 121 Introduction to Sociology	3
HUM 121 Humanities: Ancient Times	
Concentration/Elective	3
SECOND SEMESTER	16
ENG 122 English Composition II	3
BIO 120 Environmental Biology	4
ECO 221 Principles of Macroeconomics	3
Concentration/Elective	3
Concentration/Elective	3
THIRD SEMESTER	15-16
CMM 121 Fundamentals of Speech	3
PSC 221 Comparative Political Systems	3
HUM 140 Introduction to International Films or Foreign Language Level 222 or higher	3-4
Concentration/Elective	3
Concentration/Elective	3
FOURTH SEMESTER	15
GEG 121 Physical Geography or Physical Science Non-Lab Elective	3
Humanities or Fine arts Elective	3
Concentration/Elective	3
Concentration/Elective	3
Concentration/Elective	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

A study abroad program for a short term (2-3 weeks) or for a long term (one semester) is highly recommended for students who are seeking an A.A. degree in International Studies. College of Lake County offers a variety of study abroad programs to several countries in the world every academic year.

CONCENTRATION/ELECTIVES

CHOOSE FROM RECOMMENDED COURSES:

ANT 121 Introduction to Anthropology	3
ANT 221 Cultural Anthropology	3
ANT 228 Cross-Cultural Relationships	3
ARA 222 Intermediate Modern Standard Arabic II	4
ART 240 History of Art I	3
ART 241 History of Art II	3
BUS 121 Introduction to Business	3
CHM 142 Chemistry for a Changing World-Lab	4
CHI 222 Intermediate Chinese II	4
CMM 127 Intercultural Communication	3
ESC 224 Environmental Geology	3
EDU 224 Diversity in Schools and Society	3
ENG 244 Mythology and Fairy Tales	3
ENG 246 Latin American Writers	3
ENG 247 International Women Writers	3
ENG 271 Teaching English to Speakers of Other Language Practicum	3
FRN 222 Intermediate French II	4
FRN 223 French Civilization I	3
FRN 224 French Civilization II	3
GXS 229 Sex, Gender, and Power	3
GEG 122 Cultural Geography	3
GEG 123 World Regional Geography	3
GEG 223 Geography of Latin America	3
GER 222 Intermediate German II	4
HST 123 Modern Europe I	3
HST 124 Modern Europe II	3
HST 126 History of Contemporary Non-Western Civilization	3
HST 127 History of Chinese Culture and Society	3
HST 141 World History to 1500	3
HST 142 World History from 1500	3
HST 245 History of Latin America to 1825	3
HST 246 History of Latin America from 1825	3
HUM 128 Introduction to Middle Eastern Civilization	3
HUM 129 Introduction to East Asian Civilization	3
ITL 222 Intermediate Italian II	4
JPN 222 Intermediate Japanese II	4
PHI 126 World Religions	3
PHI 221 Asian Philosophy	3
PSC 222 International Relations	3
SPA 222 Intermediate Spanish II	4
SPA 223 Spanish Civilization I	3
SPA 224 Spanish Civilization II	3

For more information on recommended courses or program specific advising, contact the Business and Social Sciences Division at (847) 543-2047.



Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S.). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.



Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

LATIN-AMERICAN STUDIES

Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/lat

Degree: Associate in Arts
Plan 13AB-LAT

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
ENG 121 English Composition I	3
Humanities and Fine Arts Recommended Courses	3
Math Elective	3
Social Science Recommended Courses	3
SECOND SEMESTER	15
ENG 122 English Composition II <i>or</i>	
ENG 126 Advanced Composition: Scientific and Technical Communications	3
Humanities and Fine Arts Recommended Courses	3
Physical Science without Lab Area of Concentration/ Elective Requirements	6
THIRD SEMESTER	16
CMM 121 Fundamentals of Speech	3
Humanities and Fine Arts Recommended Courses	3
BIO 120 Environmental Biology	4
Area of Concentration/ Elective Requirements	6
FOURTH SEMESTER	14
Area of Concentration/ Elective Requirements	8
Social Science Recommended Courses	6

SOCIAL SCIENCES RECOMMENDED COURSES — CHOOSE 9 CREDITS

ANT 221 Cultural Anthropology	3
ANT 228 Cross Cultural Relationships	3
GEG 122 Cultural Geography**	3
GEG 123 World Regional Geography**	3
PSY 121 Introduction to Psychology	3
PSY 225 Social Psychology	3
SOC 121 Introduction to Sociology	3
SOC 225 Class, Race and Gender	

HUMANITIES AND FINE ARTS RECOMMENDED COURSES

CHOOSE 9 CREDITS	
ART 240 History of ART I	3
ART 241 History of ART II	3
HUM 121 Humanities: Ancient Times to the Middle Ages	3
HUM 122 Humanities: Renaissance to the Present	3
HUM 140 Introduction to International Film	3

AREA OF CONCENTRATION/ ELECTIVE REQUIREMENTS — CHOOSE 23 CREDITS

LAT 121 Introduction to Latin American Studies (Strongly Recommended)	3
ANT 121 Introduction to Anthropology	3
ANT 240 Anthropological Field Methods	3
ENG 246 Latin American Writers	3
GEG 223 Geography of Latin America	3
HST 245 History of Latin America to 1825	3
HST 246 History of Latin America from 1825	3
SPA 121 Beginning Spanish I	4
SPA 122 Beginning Spanish II	4
SPA 221 Intermediate Spanish I	4
SPA 222 Intermediate Spanish II	4
SPA 223 Spanish Civilization I	3
SPA 224 Spanish Civilization II	3
Special Topics ***	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

****GEG 122 and GEG 123 share an IAI number. Only one of these courses will count toward meeting the general education core curriculum requirement. If both are taken, one will count as an elective.**

*****Courses offered in different areas centered in Latin America if available**

PHILOSOPHY

Communication Arts, Humanities and Fine
Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/phi

**Degree: Associate in Arts
Plan 13AB-PHI**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		12
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
	Area of Concentration/ Elective Requirements	6
	Math Elective	3
SECOND SEMESTER		15-17
ENG 122	English Composition II	3
	Area of Concentration/ Elective Requirements	3
	Humanities Elective	3
ANT 121	Introduction to Anthropology (Recommended Social Science Course)	3
	Physical Science ¹	3-5

THIRD SEMESTER		15-16
CMM 121	Fundamentals of Speech	3
	Area of Concentration/ Elective Requirements	6
ANT 221	Cultural Anthropology (Recommended Social Science Course)	3
	Life Science ¹	3-4
FOURTH SEMESTER		17
	Area of Concentration/ Elective Requirements	8
PSY 121	Introduction of Psychology (Recommended Social Science Course)	3
	Humanities and Fine Arts Elective	3
	Fine Arts Elective	3

AREA OF CONCENTRATION/ ELECTIVE REQUIREMENTS

See page 341 for PHI course selections.

¹ One Science must include Lab

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

Edwin George | Rebecca Munk | Jackie Trimier





TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES

Communication Arts, Humanities and Fine
Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/esl

TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (TESOL) (Certificate) Plan 23TK

This certificate is intended for current teachers, native or non-native speakers, who wish to expand their professional opportunities and to enhance their teaching skills by adding a TESOL certificate to their portfolio and for college graduates and/or first time teachers interested in teaching English in a non-English speaking country; as well as for professionals interested in applying their skills in the field of English language teaching.

FIRST SEMESTER	12
CLC 120 ^* College Success Seminar	[2]
EDU 121 Introduction to Teaching <i>or</i>	
PSY 121 Introduction to Psychology	3
CMM 127 Intercultural Communication	3
ENG 128 Linguistics and Society	3
ENG 265 Grammar for English Language Teachers	3
SECOND SEMESTER	6
ENG 127 Introduction to General Linguistics	3
ENG 261 Methods of Teaching ESL	3
THIRD SEMESTER	9
ENG 262 Theories of Teaching ESL and Bilingual Education	3
ENG 267 Teaching Pronunciation to ELLs	3
ENG 268 Assessment of the English Language Learner	3
FOURTH SEMESTER	3
ENG 271 Teaching English to Speakers of Other Languages Practicum	3
Total Hours for Certificate	30

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

*Exceptions may apply especially for those who have a Bachelor's degree or higher. Please contact department chair for more information.

TEACHING ENGLISH LEARNERS (TEL) (Certificate) Plan 23TN

This 18-hour Core Certificate in Teaching English Learners is intended for certified teachers who wish to expand their professional opportunities and to enhance their teaching skills by adding a TEL Core certificate to their portfolio. The coursework for this certificate satisfies the requirements of the ISBE ESL endorsement, including the 100 hours of clinical experience. This endorsement allows certified teachers to teach ESL in grades they are certified to teach. Applicants must complete an application to the State to have this endorsement put on their teaching certificates.

FIRST SEMESTER	9
CLC 120 ^* College Success Seminar	[2]
CMM 127 Intercultural Communication	3
ENG 128 Linguistics and Society	3
ENG 262 ELL/Bilingual Education Theory	3
SECOND SEMESTER	3
ENG 261 Methods of Teaching ESL	3
THIRD SEMESTER	6
ENG 127 Introduction to General Linguistics <i>or</i>	
ENG 265 Teaching Grammar to ELLs <i>or</i>	
ENG 267 Teaching Pronunciation to ELLs	3
ENG 268 Assessment of ELLs	3
Total Hours for Certificate	18

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

*Exceptions may apply especially for those who have a Bachelor's degree or higher. Please contact department chair for more information.

**TEACHING ENGLISH AS A FOREIGN
LANGUAGE (TEFL)
(Certificate) Plan 23TO**

This 12-hour certificate is intended for those who wish to expand their professional opportunities and to enhance their teaching skills by adding a Teaching English as a Foreign Language (TEFL) certificate to their portfolio. TEFL Certificates are often required to teach English in non-English speaking countries around the world.

FIRST SEMESTER		6
ENG 272	Principles and Practices in Foreign Language Teaching	3
ENG 273	English Language: Structure and Use	3
SECOND SEMESTER		6
ENG 274	Teaching English as a Foreign Language Pedagogy	3
ENG 275	Language Teaching Fieldwork	3
Total Hours for Certificate		12

For more information on recommended courses or program specific advising, contact the following faculty members or the Communication Art, Humanities and Fine Arts division at (847) 543-2040:

Jill Bruellman | Jacinta Thomas



WORLD LANGUAGES:

FRENCH

Communication Arts, Humanities and Fine
Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/for

**Degree: Associate in Arts
Plan 13AB-FRN**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER 13

CLC 120 ^	College Success Seminar [2]	
FRN 121	Beginning Conversational French I	4
ENG 121	English Composition I	3
	Social Science Elective (see recommended courses list)	3
	Math Elective	3

SECOND SEMESTER 17

FRN 122	Beginning Conversational French II	4
ENG 122	English Composition II <i>or</i>	
ENG 126	Advanced Composition: Scientific and Technical Communications	3
	Social Science Elective (see recommended courses list)	3
BIO 120	Environmental Biology	4
	Humanities/Fine Arts Elective (see recommended course list)	3

THIRD SEMESTER 16

FRN 221	Intermediate French I	4
CMM 121	Fundamentals of Speech	3
	Social Science Elective (see recommended courses list)	3
	Physical Science without Lab Electives	3
	Humanities/Fine Arts Elective (see recommended course list)	3

FOURTH SEMESTER 12

FRN 222	Intermediate French II	4
	Humanities/Fine Arts Elective (see recommended course list)	3
	Additional Electives as Needed	5

ADDITIONAL LANGUAGE COURSES NEEDED 6

FRN 223	French Civilizations I	3
FRN 224	French Civilizations II	3
	Please note that depending on your level of French Placement you may need take French Coursework in Summer Session to complete course work in two years.	

SOCIAL SCIENCE RECOMMENDED COURSES CHOOSE 9 CREDITS

ANT 221	Cultural Anthropology	3
ANT 228	Cross Cultural Relationships	3
GEG 122	Cultural Geography <i>or</i>	
GEG 123	World Regional Geography	3
PSY 121	Introduction to Psychology	3
PSY 225	Social Psychology	3
SOC 121	Introduction to Sociology	3
SOC 225	Class, Race and Gender	3

HUMANITIES AND FINE ARTS RECOMMENDED COURSES CHOOSE 9 CREDITS

ART 240	History of Art I	3
ART 241	Humanities: Ancient Times to the Middle Age <i>or</i>	
HUM 121	History of Art II	3
HUM 122	Humanities: Renaissance to the Present	3
HUM 140	Introduction to International Film	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

Theresa Ruiz-Velasco | Olivia Yanez

WORLD LANGUAGES:

SPANISH

Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/for

**Degree: Associate in Arts
Plan 13AB-SPA**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER	13
CLC 120 ^ College Success Seminar	[2]
ENG 121 English Composition I	3
Math Elective	3
Social Science Elective (see recommended courses list)	3
SPA 121 Beginning Spanish I	4

SECOND SEMESTER	17
BIO 120 Environmental Biology	4
ENG 122 English Composition II <i>or</i>	
ENG 126 Advanced Composition: Scientific and Technical Communications	3
SPA 122 Beginning Spanish II	4
Humanities/Fine Arts Elective (see recommended courses list)	3
Social Science Elective (see recommended courses list)	3

THIRD SEMESTER	16
CMM 121 Fundamentals of Speech Humanities/Fine Arts Elective (see recommended courses list)	3
Physical Science without lab Elective	3
Social Science Elective (see recommended courses list)	3
SPA 221 Intermediate Spanish I	4

FOURTH SEMESTER	8
Additional Electives	1
Humanities/Fine Arts Elective (see recommended courses list)	3
SPA 222 Intermediate Spanish II	4

FIFTH SEMESTER	3
SPA 223 Spanish Civilization I	3

SIXTH SEMESTER	3
SPA 224 Spanish Civilization II	3

Total Hours for A.A. Degree 60

**SOCIAL SCIENCE RECOMMENDED COURSES
CHOOSE 9 CREDITS**

ANT 221 Cultural Anthropology	3
ANT 228 Cross Cultural Relationships	3
GEG 122 Cultural Geography <i>or</i>	
GEG 123 World Regional Geography	3
PSY 121 Introduction to Psychology	3
PSY 225 Social Psychology	3
SOC 121 Introduction to Sociology	3
SOC 225 Class, Race and Gender	3

**HUMANITIES AND FINE ARTS
RECOMMENDED COURSES**

CHOOSE 9 CREDITS	
ART 240 History of Art I	3
ART 241 Humanities: Ancient Times to the Middle Age <i>or</i>	
HUM 121 History of Art II	3
HUM 122 Humanities: Renaissance to the Present	3
HUM 140 Introduction to International Film	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact an Academic Success Advisor, the following faculty or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

Theresa Ruiz-Velasco | Olivia Yanez



EDUCATION AND SOCIAL SCIENCES



SOCIAL SCIENCES PATHWAY

- Social Sciences Pathway A.A.

ANTHROPOLOGY

- Anthropology A.A.

EDUCATION

- Education – Early Childhood A.A.
- Early Childhood Education A.A.S.
 - Administration and Leadership in Early Childhood Education Certificate
 - Infant/Toddler Level II – Illinois Gateways to Opportunity Credential Certificate
 - Infant/Toddler Level III-Illinois Gateways to Opportunity Credential Certificate
 - Early Childhood – Level II – Gateways to Opportunity Credential Certificate
 - Early Childhood – Level III – Gateways to Opportunity Credential Certificate
- Education – Elementary A.A.
- Education – Secondary A.A.
- Education – Special Education A.A.

GENDER AND SEXUALITY STUDIES

- Gender and Sexuality Studies A.A.

HISTORY

- History A.A.

HUMAN SERVICES

- Human Services: Children and Adolescents A.A.S.
- Human Services: Adult Services A.A.S.
- Human Services: Addiction Counseling and Treatment A.A.S.
 - Addiction Counseling and Treatment Certificate
- Human Services: Correctional Counseling A.A.S.
 - Correctional Counseling Certificate
 - General Human Services Certificate
- Human Services: Trauma Interventions and Prevention A.A.S.
 - Trauma Interventions and Prevention Certificate
 - Accelerated Addictions Counseling and Treatment Certificate

POLITICAL SCIENCE

- Political Science A.A.

PSYCHOLOGY

- Psychology A.A.

SOCIAL WORK

- Social Work A.A.

SOCIOLOGY

- Sociology A.A.

SOCIAL SCIENCES PATHWAY

Business and Social Sciences Division
Room T302, (847) 543-2047

Degree: Associate in Arts
Plan 13AB-ESS

This pathway is for students who intend to transfer and major in the social sciences but have not selected a specific field such as Anthropology, Gender and Sexuality Studies, History, International Studies, Political Science, Psychology, and Sociology. Students who have decided on a specific intended major in these areas should refer to the recommended Course of Study on page 28.

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		14-15
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
PSY 121	Introduction to Psychology	3
SOC 121	Introduction to Sociology	3
	Recommended Fine Arts Course (Choose One)	3
	ART 121 Introduction to Art	
	HUM 121 Introduction to Humanities	
	HUM 222 Film and Society	
	Recommended Elective Course ¹	2-3
SECOND SEMESTER		16
ENG 122	English Composition II	3
	Recommended Math Course (Choose One)	3-4
	MTH 141 Quantitative Literacy	
	MTH 142 General Education Statistics	
	MTH 222 Business Statistics	
ANT 121	Introduction to Anthropology	3
	Recommended Elective Course ¹	3
	Recommended Elective Course ¹	3

Prior to selecting your third semester courses, please schedule an appointment with an Academic Success Advisor to finalize your academic field of study and desired transfer institution. These decisions will impact which elective courses you should select during your second year.

THIRD SEMESTER		15
CMM 121	Fundamentals of Speech	3
	Recommended Physical Science Course (Choose One)	3-4
	CHM 140 Chemistry for a Changing World	
	ESC 128 Great Mysteries of the Earth	
	GEG 121 Physical Geography	
	Recommended Humanities Course (Choose One)	3
	ENG 129 Women in Literature	
	ENG 228 World Literature	
	ENG 246 Latin American Writers	
	ENG 247 International Women Writers	
	Recommended Elective Course ¹	3
	Recommended Elective Course ¹	3
FOURTH SEMESTER		15
	Recommended Life Science Course (Choose One)	4-5
	BIO 120L Environmental Biology	
	BIO123L Principles of Biology	
	BIO 161L General Biology ²	
	Recommended Humanities/ Fine Arts Course (Choose One)	3
	HUM 127 Critical Thinking	
	HUM 221 American Decades	
	PHI 122 Logic	
	PHI 125 Introduction to Ethics	
	Recommended Elective Course ¹	3
	Recommended Elective Course ¹	3
	Recommended Elective Course ¹	3
Total Hours for A.A. Degree		60-64

¹ The Courses listed below are recommended for students considering a major in the social sciences.

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Continued on next page.



EDUCATION AND SOCIAL SCIENCES PROGRAMS

HIGHLY RECOMMENDED:

HST 122	History of Western Civilization 1500 to present
PHI 121	Introduction to Philosophy
PSC 121	American National Politics
PSY 225	Social Psychology
SOC 222	Social Problems

ALSO RECOMMENDED:

ANT 221	Cultural Anthropology
ENG 128	Linguistics and Society
GEG 122	Cultural Geography
GEG 123	World Regional Geography
GXS 229	(also SOC 229) Sex, Gender, and Power
HST 223	American Popular Culture
HST 225	American Labor History
PDS 120	Becoming a Successful College Student (2credits)
PDS 122	Career Exploration (1 credit)
PDS 124	Transition to College (1 credit)

² Students who intend to transfer and major in psychology should take BIO 161L.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the Business and Social Sciences Division at (847) 543-2047.

ANTHROPOLOGY

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/ant

**Degree: Associate in Arts
Plan 13AB-ANT**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		13
CLC 120 ^	College Success Seminar	[2]
ANT 121	Introduction to Anthropology	3
ENG 121	English Composition I	3
BIO 120	Environmental Biology with lab or other Life Science with lab elective	4
PSY 121	Introduction to Psychology or other Social and Behavioral Science elective	3

SECOND SEMESTER		15-16
ANT 221	Cultural Anthropology	3
ENG 122	English Composition II	3
CMM 121	Fundamentals of Speech	3
ESC 120	Earth Science or other Physical Science elective with lab	4
PHI 121	Introduction to Philosophy or other Humanities elective	3

THIRD SEMESTER		16
ANT 228	Cross-Cultural Relationships	3
ANT 224	Introduction to Archeology	3
ART 121*	Introduction to Art or other Fine Arts elective	3
MTH 142	General Education Statistics or other Mathematics elective Foreign Language or other elective	4
FOURTH SEMESTER		16
ANT 222	Introduction to Physical Anthropology	3
ANT 240	Anthropological Field Methods	1-4
ANT 241	Anthropological Lab Methods	1-4
BIO 149	Genetics and Society or other Physical and Life Science elective	3
HUM 121	Critical Thinking or other Humanities and Fine Arts elective Foreign Language or other elective	4

Math and Foreign Language requirements vary at four-year institutions.

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty or the Business and Social Sciences Division at (847) 543-2047.

Wendy Brown | Scott Palumbo | Nina Pitrello





EDUCATION – EARLY CHILDHOOD

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/ece

Degree: Associate in Arts
Plan 13AB-ECE

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
MTH 121	Math for Elementary Teaching I (elective)	3
PSY 121	Introduction to Psychology	3
ART 121	Introduction to Art	3
ECE 121	Introduction to Early Childhood Ed* (elective)	3

SECOND SEMESTER		16
ENG 122	English Composition II	3
MTH 221	Math for Elementary Teaching II	3
BIO 120	Environmental Biology	4
PHI 125+	Introduction to Ethics or	3
HUM 221+	American Decades	3
ECE 124	Child Development for Educators (elective)	3

THIRD SEMESTER		16
CMM 121	Fundamentals of Speech	3
CHM 142	Chemistry for a Changing World	4
PSC 121++	American National Politics	3
MUS 124	Music Appreciation Concentration/Elective	3

FOURTH SEMESTER		15
HST 222	United States History 1876 to present Concentration/Elective Concentration/Elective Concentration/Elective Concentration/Elective	3 3 3 3

CONCENTRATION/ELECTIVES		
ECE 121*	Introduction to Early Childhood Education	3
ECE 124	Child Development for Educators	3
ECE 141	Health, Safety and Nutrition	3
ECE 220***	Observation and Assessment	3
ECE 223	Child, Family and Community	3
ECE 229	Language Development and Early Literacy	3
ECE 233	Young Children with Special Needs	3
ECE 241	Guidance and Social Development	3
ECE 242	Math Activities for Young Children	3
EDU 121	Introduction to Teaching	3
EDU 222	The Exceptional Child	3
EDU 223	Technology in the Classroom	3
EDU 224+	Diversity in Schools and Society	3
EDU 242**	Observation/Clinical Experience in Education	1

Math requirements vary at four-year institutions.

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

+ Choose from these courses to fulfill the I/M requirement. EDU 224 is strongly recommended for this program of study.

++ PSC 121 is required by most 4-year institutions

* Requires 10 hours of observation and fieldwork

** Requires 30 hours of observation and field experience in a school setting

*** Requires 15 hours of observation and field experience in a school setting

This plan benefits students interested in transferring to a four-year college or university to obtain an Illinois State Board of Education teaching license.

For students wishing to obtain a teaching license in the State of Illinois, a grade of C or above is compulsory for all coursework required for the teaching license. This includes courses in the major, all education courses, and required general electives. This is effective for those applying for teacher licensure as of 2012, Illinois State Board of Education.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

EARLY CHILDHOOD EDUCATION

Degree: Associate in Applied Science, Early Childhood Education Plan 25EA

The Associate of Applied Science Degree program in Early Childhood Education prepares students for careers working with young children. Graduates of the program are DCFS-qualified to be lead teachers and directors in early childhood centers and school-age programs. Public school Pre-K programs may employ A.A.S. degree graduates as assistant teachers. Many of the required courses may transfer to four-year institutions with related programs. ECE 121, ECE 124, ECE 214, ECE 220, ECE 248, ECE 250, ECE 252 and EDU 242 require daytime field observation or classroom experience hours may require a current Illinois State Police criminal background check and/or current medical documentation. Check individual catalog course descriptions and catalog information or contact the Early Childhood Education Department Chair for further guidance. After completion of this A.A.S. degree program, interested students will need to complete applications for the Illinois Gateways to Opportunity to qualify and receive the Level 4 Infant/Toddler Credential and the Level 4 ECE Credential. See Department Chair for more information.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
ENG 120	Technical Composition I	3
PSY 121	Introduction to Psychology	3
ECE 117	Creative Activities for Infants and Toddlers	3
ECE 121+	Introduction to Early Childhood Education	3
ECE 124+	Child Development for Educators	3
SECOND SEMESTER		15-16
CMM 121	Fundamentals of Speech Humanities or Fine Arts Elective	3
	Physical or Life Science Elective: Any BIO, CHM, ESC, PHY, GEG 120 or GEG 121. Refer to course descriptions for prerequisites	3-4
ECE 116	Creative Activities	3
ECE 141	Health, Safety, and Nutrition	3

THIRD SEMESTER		15
ECE 214+	Group Care of Infants and Toddlers	3
ECE 223	Child, Family, and Community	3
ECE 229	Language Development and Early Literacy	3
ECE 241	Guidance and Social Development	3
	ECE Elective	3

FOURTH SEMESTER		15
ECE 220+	Observation and Assessment	3
ECE 233	Young Children with Special Needs	3
ECE 242	Math Activities for Young Children	3
ECE 248	Assessment Seminar	3
	ECE Elective	3

EARLY CHILDHOOD EDUCATION ELECTIVES **6-8**

Select 6-8 hours from the following. Students wishing to apply for the Illinois Gateways to Opportunity Level 4 Infant-Toddler and ECE entitled credentials must choose ECE 250, ECE 251, ECE 252, and ECE 253 as electives. In this situation, the student will complete this degree with 62 credit hours.

ECE 250*	ECE Practicum I- Infants and Toddlers and Curriculum Development I	4
ECE 251*	ECE Practicum II- Preschool and Curriculum Development II	4
ECE 252*	Administration of ECE Programs	3
ECE 253*	Special Topics in Early Childhood Education	1-3
ECE 270	Introduction to Teaching	3
ECE 299	The Exceptional Child	3
EDU 121	Technology in the Classroom	3
EDU 222	Diversity in Schools and Society	3
EDU 223	Educational Psychology	3
EDU 224	Observation/Clinical Experience	1
EDU 225	Special Topics in Education	1-3
EDU 242	Linguistics and Society	3
EDU 299	Theories of teaching ESL and Bilingual Education	3
ENG 128		
ENG 262		

Total A.A.S. Degree **60-62**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Continued on next page.

EDUCATION AND SOCIAL SCIENCES PROGRAMS

For students wishing to obtain a teaching credential in the State of Illinois, a grade of C or above is compulsory for all coursework required for the teaching credential. This includes courses in the major, all education courses, and required general electives. This is effective for those applying for teacher certification as of 2012 (Illinois State Board of Education).

*A.A.S. in ECE students who desire to earn the Illinois Gateways to Opportunity ECE Credential—Level 4 and the Illinois Gateways to Opportunity Infant/Toddler Credential—Level 4 must complete these four courses as electives or be able to document relevant work experience. Upon successful completion of this program, students may complete an application with INCCRRA/Gateways to Opportunity to receive these credentials. All courses required for a Gateways Credential must be earned with a grade of C or Better. See Department Chair for more details.

ECE 250 and ECE 252 each require 150 hours of classroom work in a NAEYC accredited early childhood center. These courses also require all course prerequisites (see course descriptions in catalog), as well as a current criminal clearance and DCFS mandated medical requirements. Completion of two practicums and relevant curriculum courses will require an additional semester to complete.

ECE 251 and ECE 253 must be taken concurrently (in an online format) with the coordinating practicum course.

Illinois Gateways to Opportunity awards entitlement status to higher education institutions that align their coursework with credential requirements. Students who complete the required courses may meet Gateways credential component requirements, and have up to two years to apply to receive their credential(s). Visit www.ilgateways.com/en/gateways-to-opportunity-credentials.

+ ECE 121, ECE 124, ECE 214, ECE 220, ECE 248, ECE 250, ECE 252, EDU 124 and EDU 242 require daytime field observation and/or experience hours may require current Illinois State Police criminal background check, and/or current medical documentation. Check individual catalog descriptions for more information or contact the ECE Department Chair.

ADMINISTRATION AND LEADERSHIP IN EARLY CHILDHOOD EDUCATION (Certificate) Plan 25EF

This certificate is intended for students who already hold degrees or who have taken extensive coursework in other academic fields and have several years experience in early childhood classroom teaching. The program provides the additional study that is often required for a career change, to meet requirements for Illinois Department of Children and Family Services (IDCFS) Director Qualifications, National Association for the Education of Young Children (NAEYC) program accreditation criteria, and/or to build skills in early childhood program administration and leadership.

FIRST SEMESTER	13
CLC 120 ^ College Success Seminar	[2]
ECE 121 Intro to Early Childhood Education	3
ECE 124 Child Development for Educators	3
ECE 141 Health, Safety and Nutrition	3
HCM 113 ServSafe Food Service Sanitation	1
BUS 121 Introduction to Business	3
SECOND SEMESTER	12
ECE 223 Child, Family, and Community	3
EDU 223 Technology in the Classroom	3
CMM 127 Intercultural Communication	3
BUS 115 Elements of Supervision	3
THIRD SEMESTER	11
ECE 254* ECE Administrative Practicum	4
ECE 270 Administration of ECE Programs	3
CMM 128 Interviewing Practices	3
ECE 299 Special Topics in Early Childhood Education	1
Total Hours for Certificate	36

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* See Department Chair for details and application for Illinois Gateways Level 1 Director Credential.

INFANT/TODDLER LEVEL II - ILLINOIS GATEWAYS TO OPPORTUNITY CREDENTIAL (Certificate) Plan 25EG

Illinois Gateways to Opportunity Infant/Toddler Credentials Levels 2–4 are for child care professionals working with children birth to age 8 who have specific levels of training, education and experience. An Entitled Institution is a college or university who has aligned their coursework with credential requirements. The College of Lake County's Early Childhood Education Department has Entitled Institution status to award Levels II through IV credentials to students who have completed the required courses for each type and level of credential. The following courses are required to obtain and be awarded the Level II Infant/Toddler Illinois Gateways to Opportunity Credential. All courses required for a Gateways Credential must be earned with a grade of C or Better.

NOTE: It is not necessary to earn the Level I Gateways Credential before pursuing the Levels II and III Credentials and Certificates, BUT YOU MUST EARN THE LEVEL II ECE CERTIFICATE/CREDENTIAL (PLAN 25EI) BEFORE YOU EARN THE LEVEL II INFANT/TODDLER CERTIFICATE (PLAN 25EG). (There is a two-course difference.)

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
ECE 117 Creative Activities for Infants and Toddlers	3
ECE 121 Introduction to Early Childhood Education	3
ECE 124 Child Development for Educators	3
SECOND SEMESTER	9
ECE 141 Health, Safety and Nutrition	3
ECE 214 Group Care of Infants and Toddlers	3
ECE 223 Child, Family, and Community	3
Total Hours for Certificate	18

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**INFANT/TODDLER LEVEL III - ILLINOIS
GATEWAYS TO OPPORTUNITY CREDENTIAL
(Certificate) Plan 25EH**

Illinois Gateways to Opportunity Infant/Toddler Credentials Levels 2–4 are for child care professionals working with children birth to age 8 who have specific levels of training, education and experience. An Entitled Institution is a college or university who has aligned their coursework with credential requirements. The College of Lake County's Early Childhood Education Department has Entitled Institution status to award Levels II through IV credentials to students who have completed the required courses for each type and level of credential. The following courses are required to obtain and be awarded the Level III Infant/Toddler Illinois Gateways to Opportunity Credential. All courses required for a Gateways Credential must be earned with a grade of C or Better.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
ECE 117 Creative Activities for Infants and Toddlers	3
ECE 121 Introduction to Early Childhood Education	3
ECE 124 Child Development for Educators	3
ENG 120 Technical Composition I <i>or</i>	
ENG 121 English Composition I	3
ECE 141 Health, Safety and Nutrition	3
SECOND SEMESTER	15
ECE 214 Group Care of Infants and Toddlers	3
ECE 220 Observation and Assessment	3
ECE 223 Child, Family, and Community	3
ECE 242 Math Activities for Young Children	3
CMM 121 Fundamentals of Speech <i>or</i>	
PSY 121 Introduction to Psychology	3
Total Hours for Certificate	30

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**EARLY CHILDHOOD - LEVEL II - GATEWAYS
TO OPPORTUNITY CREDENTIAL
(Certificate) Plan 25EI**

Illinois Gateways to Opportunity Early Childhood Credentials Levels 2–4 are for child care professionals working with children birth to age 8 who have specific levels of training, education and experience. An Entitled Institution is a college or university who has aligned their coursework with credential requirements. The College of Lake County's Early Childhood Education Department has Entitled Institution status to award Levels II through IV credentials to students who have completed the required courses for each type and level of credential. The following courses are required to obtain and be awarded the Level II Early Childhood Illinois Gateways to Opportunity Credential. All courses required for a Gateways Credential must be earned with a grade of C or Better.

NOTE: It is not necessary to earn the Level I Gateways Credential before pursuing the Levels II and III Credentials and Certificates, BUT YOU MUST EARN THE LEVEL II ECE CERTIFICATE/CREDENTIAL (PLAN 25EI) BEFORE YOU EARN THE LEVEL II INFANT/TODDLER CERTIFICATE (PLAN 25EG). (There is a two-course difference.)

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
ECE 121 Introduction to Early Childhood Education	3
ECE 124 Child Development for Educators	3
ECE 141 Health, Safety and Nutrition	3
SECOND SEMESTER	9
ECE 220 Observation and Assessment	3
ECE 223 Child, Family, and Community	3
ECE 229 Language and Development and Early Literacy	3
Total Hours for Certificate	18

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**EARLY CHILDHOOD - LEVEL III - GATEWAYS
TO OPPORTUNITY CREDENTIAL
(Certificate) Plan 25EJ**

Illinois Gateways to Opportunity Early Childhood Credentials Levels 2–4 are for child care professionals working with children birth to age 8 who have specific levels of training, education and experience. An Entitled Institution is a college or university who has aligned their coursework with credential requirements. The College of Lake County's Early Childhood Education Department has Entitled Institution status to award Levels II through IV credentials to students who have completed the required courses for each type and level of credential. The following courses are required to obtain and be awarded the Level III Early Childhood Illinois Gateways to Opportunity Credential. All courses required for a Gateways Credential must be earned with a grade of C or Better.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
ECE 121 Introduction to Early Childhood Education	3
ECE 124 Child Development for Educators	3
ECE 141 Health, Safety and Nutrition	3
ENG 120 Technical Composition I	3
CMM 121 Fundamentals of Speech	3
SECOND SEMESTER	15
ECE 220 Observation and Assessment	3
ECE 223 Child, Family, and Community	3
ECE 229 Language and Development and Early Literacy	3
ECE 241 Guidance and Social Development	3
ECE 242 Math Activities for Young Children	3
Total Hours for Certificate	30

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, contact the Business and Social Sciences Division at (847) 543-2047.



EDUCATION - ELEMENTARY

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/edu

Degree: Associate in Arts
Plan 13AB-EDE

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. It is also important to build this plan along with the transfer guide from the four-year institution. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
ENG 121 English Composition I	3
MTH 121* Math for Elementary Teaching I (elective)	3
PSY 121 Introduction to Psychology	3
MUS 124* Music Appreciation	3
EDU 121 Introduction to Teaching (elective)	3

SECOND SEMESTER	16
ENG 122 English Composition II	3
BIO 120* Environmental Biology	4
MTH 221 Math for Elementary Teaching II	3
HST 221* United States History to 1876	3
EDU 124 Child Development for Educators (elective)	3

THIRD SEMESTER	16
CMM 121 Fundamentals of Speech	3
PHY 120 Practical Aspects of Physics	4
ENG 249 Children's Literature	3
EDU 224 Diversity in Schools (Elective) Concentration/Elective	3

FOURTH SEMESTER	15
PSC 121 American National Politics	3
ART 240+* History of Art I	3
EDU 222 The Exceptional Child (Elective)	3
Concentration/Elective	3
Concentration/Elective	3

CONCENTRATION/ELECTIVES

EDU 121 Introduction to Teaching	3
EDU 124 Child Development for Educators	3
EDU 222 The Exceptional Child	3
EDU 223 Technology in the Classroom	3
EDU 224+ Diversity in Schools and Society	3
EDU 225 Educational Psychology	3
EDU 242** Observation/Clinical Experience in Education	3
GXS 121+ Introduction to Gender Studies	3
MTH 122 College Algebra	5
MTH 142 General Education Statistics	3
EDU 299 Special Topics in Education	1-3

A B.A. degree at many four-year colleges may also require the following courses or coursework from the following areas of concentration:

ESC 120 Earth Science	4
ENG 246 Latin American Writers	3
HST 221 United States History to 1876 <i>or</i>	
HST 222 United States History 1876 to present	3
HWP 240 Contemporary Health Issues	3
KIN 220 Physical Education in the Elementary School	3

Areas of Concentration: Art, English, Foreign Language, Language Arts, Social Studies, Math, Music, or Science. Additional coursework from these areas should be selected in consultation with an EDU advisor.

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

*When choosing a specific general education course, please check with your transfer school.

+ Choose from these courses to fulfill the I/M requirement. EDU 224 is strongly recommended for this program of study.

** Requires 30 hours of observation and field study in a school setting.

In addition to MTH 121 and 221, some transfer school requirements generally include MTH 122 and MTH 142 or MTH 222, and may require completion of these courses prior to transfer. Therefore it is highly recommended that students consult an advisor at their prospective transfer school in addition to meeting with a CLC advisor as early as possible

This plan benefits students interested in transferring to a four-year college or university to obtain an Illinois State Board of Education license. This plan may also benefit individuals who are interested in education and schooling but not in the context of the classroom.

Teacher candidates who wish to teach in middle or high school should meet with both the CLC advisors and faculty in the education department to better formulate a specific academic plan. In the meantime, those teacher candidates should select electives from a content area in which they want to teach. Concentration areas include Art, English, Foreign Language, Language Arts, Social Studies, Math, Music, Science and Theatre. Again, it is imperative that teacher candidates work concurrently with CLC advisors and education faculty early in their program of study to ensure successful transfer to a four-year institution.

For teacher candidates in all grade levels and content areas wishing to earn a teaching license in the State of Illinois, a grade of a C or above is compulsory for all coursework required for teaching credential. This includes courses in the major, all education courses, and required general electives (2012, Illinois State Board of Education).

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses, education policy changes or program specific advising, contact Michelle Proctor at (847) 543-2942.



EDUCATION - SECONDARY

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/sed

Degree: Associate in Arts
Plan 13AB-EDS

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. It is also important to build this plan along with the transfer guide from the four-year institution. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
MTH 142	General Education Statistics	3
PSY 121	Introduction to Psychology	3
MUS 124	Music Appreciation	3
EDU 121	Introduction to Teaching (elective)	3
SECOND SEMESTER		16
ENG 122	English Composition II	3
EDU 124	Child Development for Educators (elective)	3
BIO 141	Concepts of Biology (lab)	4
	Humanities Elective	3
	Concentration/Elective	3
THIRD SEMESTER		15
CMM 121	Fundamentals of Speech	3
ESC 123	Introduction to Meteorology <i>or</i>	
GEG 121	Physical Geography	3
HST 221	United States History to 1876 <i>or</i>	
HST 222	United States History 1876 to Present (Note: Some transfer schools require both HST 221 and HST 222. Check with your transfer school)	3
	Concentration/ Elective	3
	Concentration/ Elective	3
FOURTH SEMESTER		15
PSC 121	American National Politics Humanities or Fine Arts Elective (with I/M designation*, if needed)	3
EDU 224	Diversity in Schools (Elective)	3
	Concentration/Elective	3
	Concentration/Elective	3

CONCENTRATION/ELECTIVES

A secondary teaching credential requires a major at a 4 year college or university. Examples include but are not limited to: English, Math, Biology, Chemistry, Physics, History, a Foreign Language, and Business.) Students planning to transfer should verify 4 year college requirements as they differ from college to college. Students interested in Music Education should consult the respective department at CLC.

RECOMMENDED EDUCATION COURSES 12

EDU 121	Introduction to Teaching	3
EDU 124	Child Development for Educators	3
EDU 222	Exceptional Children	
EDU 223	Technology In The Classroom	3
EDU 224*	Diversity in the Schools I/M	3
EDU 225	Educational Psychology	3
EDU 242	Observation/Clinical Experience	1
EDU 299	Special Topics in Education	1-3

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* EDU 224 is recommended for the Secondary Education Concentration/Elective to satisfy the I/M requirement.

** Many four year colleges require a foreign language. To fulfill the humanities requirement, a student must take a foreign language with a course number of 222. (This is an intermediate level foreign language class requiring several semesters of beginning level foreign language courses before the intermediate course can be taken.)

Any additional electives should be taken in a particular subject area that meets requirements for a secondary teaching credential and will transfer to a four year college of your choice. Consult the four year institution requirements for different majors that lead to a credential in secondary education.

For all those students wishing to obtain a teaching credential in the state of Illinois, a grade of C or above is compulsory for all coursework that is required for the teaching credential. This would include courses in your major, all education courses, and required general electives. (Effective 2012, Illinois State Board of Education)

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S.). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact Michelle Proctor at (847) 543-2942 or the Business and Social Sciences Division at (847) 543-2047.

**EDUCATION -
SPECIAL EDUCATION**

**Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/spe**

**Degree: Associate in Arts
Plan 13AB-EDP**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an academic success advisor to determine courses at CLC which will also meet the transfer requirements. It is also important to build this plan along with the transfer guide from the four-year institution. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
ENG 121 English Composition I	3
MTH 121 Math for Elementary Teaching I (elective)	3
PSY 121 Introduction to Psychology	3
MUS 124 Music Appreciation	3
EDU 121 Introduction to Teaching (elective)	3
SECOND SEMESTER	13
ENG 122 English Composition II	3
BIO 120 Environmental Biology	4
MTH 221 Math for Elementary Teaching II	3
HST 222 United States History 1876 to present	3
THIRD SEMESTER	16
CMM 121 Fundamentals of Speech	3
PHY 120 Practical Aspects of Physics	4
PHI 126+ World Religions	3
EDU 222 The Exceptional Child (Elective)	3
Concentration/Elective	3
FOURTH SEMESTER	15
PSC 121 American National Politics	3
ART 240+ History of Art I	3
EDU 224 Diversity in Schools (Elective)	3
Concentration/Elective	3
Concentration/Elective	3

CONCENTRATION/ELECTIVES

RECOMMENDED COURSES:

EDU 121 Introduction to Teaching	3
EDU 124 Child Development for Educators	3
EDU 222 The Exceptional Child	3
EDU 223 Technology in the Classroom	3
EDU 224+ Diversity in the Classroom	3
EDU 225 Educational Psychology	3
EDU 242* Observation and Clinical Experience	1
MTH 121++ Math for Elementary Teachers I	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

- + Choose from these courses to fulfill the I/M requirement. EDU 224 is strongly recommended for this program of study.
- ++ MTH 121 is a prerequisite for MTH 221 and may be used as an elective requirement.
- * Requires 30 hours of observation and field study in a school setting.

Note: When choosing specific general education classes please check with your transfer school. Each institution has different expectations for coursework in fine arts, history, etc.

For students wishing to obtain a teaching credential in the State of Illinois, a grade of C or above is compulsory for all coursework required for the teaching credential. This includes courses in the major, all education courses, and required general electives.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact Michelle Proctor at (847) 543-2942 or the Business and Social Sciences Division at (847) 543-2047.





GENDER AND SEXUALITY STUDIES

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/gxs

Degree: Associate in Arts
Plan 13AB-GXS

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with academic success advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		13
CLC 120 ^	College Success Seminar [2]	
CHM 120	Chemical Concepts	4
ENG 121	English Composition I	3
GXS 121	Introduction to Gender Studies	3
SOC 121	Introduction to Sociology <i>or</i> other Social and Behavioral Science elective	3

SECOND SEMESTER		15
CMM 121	Fundamentals of Speech	3
ENG 122	English Composition II	3
PSY 121	Introduction to Psychology	3
SOC 222	Social Problems	3
HUM 127	Critical Thinking <i>or</i> other Humanities elective	3

THIRD SEMESTER		16
PSY 227	Psychology of Gender	3
ENG 129	Women in Literature	3
THE 123	Diversity in American Theatre <i>or</i> other Fine Arts elective	3
MTH 142	General Education Statistics <i>or</i> other Mathematics elective Foreign Language <i>or</i> other elective	4

FOURTH SEMESTER		16
SOC 225	Class, Race, and Gender	3
PHI 125	Introduction to Ethics	3
BIO 149	Genetics and Society	3
HUM 226	Women and the Arts <i>or</i> other Humanities and Fine Arts elective	3
	Foreign Language <i>or</i> other elective	4

CONCENTRATION/ELECTIVES		
ANT 221	Cultural Anthropology	3
ANT 228	Cross Cultural Relationships	3
CMM 125	Communication and Gender	3
CMM 127	Intercultural Communication	3
ENG 247	International Women Writers	3
EWE 121#	Introduction to Volunteerism	1
GXS 221	Feminist Theories	3
GXS 299	Special Topics in Gender and Sex	3
HST 129	History of Women	3
PHI 128	Introduction to Social and Political Philosophy	3
PHI 129	Philosophy of Gender	3
PSY 229	Psychology of Gender	3
SOC 121	Introduction to Sociology	3
SOC 222	Social Problems	3
SOC 224	Sociology of the Family	3
SOC 225	Class, Race, and Gender	3
SWK 121	Introduction to Social Work	3
SWK 228	Human Sexuality (cross-listed as PSY 228)	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Students will volunteer in the CLC Women's Center.

Math requirements vary at four-year institutions.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S.). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty member or the Business and Social Sciences Division at (847) 543-2047.

Fred Hutchinson | Sonia Oliva
 Suzanne Pryga | John Tenuto

HISTORY

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clillinois.edu/programs/hst

Degree: Associate in Arts
Plan 13AB-HST

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an academic success advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER	12
CLC 120 ^	College Success Seminar [2]
ENG 121	English Composition I 3
ANT 221	Cultural Anthropology 3
	Humanities or Fine Arts Elective 3
HST 121	History of Western Civilization to 1500 or 3
HST 221	United States History to 1876 3

SECOND SEMESTER	16
ENG 122	English Composition II 3
BIO 120	Environmental Biology 4
HST 122	History of Western Civilization 1500 to Present or 3
HST 222	United States History 1876 to present 3
	Humanities or Fine Arts Elective 3
MTH 141	Quantitative Literacy 3

THIRD SEMESTER	15
CMM 121	Fundamentals of Speech 3
PSC 121	American National Politics 3
HST 141	World History to 1500 or 3
HST 142	World History from 1500 3
	Humanities or Fine Arts Elective 3
	Concentration/Elective 3

FOURTH SEMESTER	15
GEG 121	Physical Geography 3
ECO 221	Principles of Macroeconomics 3
	Concentration/Elective 3
	Concentration/Elective 3
PSC Elective - Choose from:	3
PSC 120	Introduction to Political Science 3
PSC 121	American National Politics 3
PSC 122	State and Local Politics 3
PSC 221	Comparative Political Systems 3
PSC 222	International Relations 3

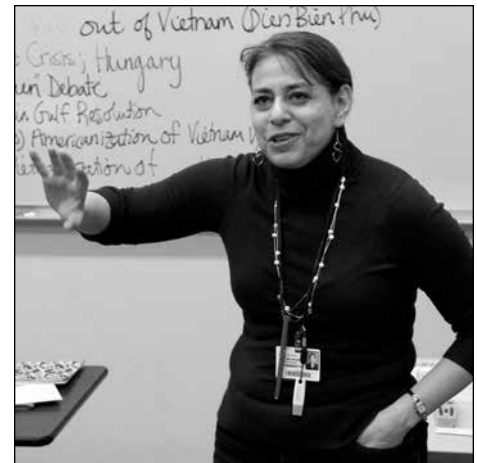
CONCENTRATION/ELECTIVES	
HST 121	History of Western Civilization to 1500 3
HST 122	History of Western Civilization 1500 to Present 3
HST 126	History/Non-Western World Since 1500 3
HST 128	Modern History of the Middle East 3
HST 141	World History to 1500 3
HST 142	World History from 1500 3
HST 221	United States History to 1876 or 3
HST 222	United States History 1876 to present 3
HST 245	History of Latin America to 1825 3
HST 246	History of Latin America from 1825 3
	Additional Electives as Needed

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty members or the Business and Social Sciences Division at (847) 543-2047.

Josephine Faulk | Gregory Gordon
David Groeninger | Phyllis Soybel





HUMAN SERVICES PROGRAM

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/hus

This program prepares students for entry and middle-level positions in agencies and programs specialized in helping people. This includes organizations with programs for children, adolescents, and adults provided through hospitals, nursing homes, institutions for people with developmental disabilities, community human services programs, as well as treatment programs for addiction and substance use disorders. The degree-seeking student completes general education and Human Services core courses, plus one of the five options. All students are encouraged to consult with department faculty. Human Services courses may transfer to four-year institutions with related programs.

HUMAN SERVICES: CHILDREN AND ADOLESCENTS

**Degree: Associate in Applied Science,
Human Services: Children and Adolescents
Plan 25HB**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER			15
CLC 120 ^	College Success Seminar	[2]	
ENG 121	English Composition I	3	
PSY 121	Introduction to Psychology	3	
SWK 121	Introduction to Social Work	3	
HUS 140	Drugs and Society	3	
	Math Elective — Higher Level Math (MTH 140 Contemporary Mathematics recommended) or Science Elective	3	
SECOND SEMESTER			15
CMM 121	Fundamentals of Speech	3	
PSY 222	Child Growth and Development	3	
HUS 123	Introduction to Group Dynamics	3	
HUS 128	Introduction to Counseling Skills	3	
HUS 154	Ethics in Human Services	2	
HUS 274	Human Services Practicum Orientation	1	

THIRD SEMESTER			17
HUS 121	Health and Nutrition	3	
PSY 226	Adolescent Development	3	
HUS 170	Human Services Practicum I	4	
HUS 234	Child Maltreatment	3	
Elective # — Recommended:			
HUS 232	Trauma and Violence	4	
FOURTH SEMESTER			14
HUS 116	Principles of Foster Care	1	
HUS 171	Human Services Practicum II	4	
ECE 223*	Child, Family, and Community or		
EDU 222*	The Exceptional Child	3	
SOC 224	Sociology of the Family Humanities or Fine Arts Elective	3	
Total Hours for A.A.S. Degree			61

* PSY 222 may be used as a prerequisite. See ECE department chair for consent.

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

From the list of concentration/electives courses below, select 4 hours of courses to take:

CRJ 121	Introduction to Criminal Justice	3
CRJ 224	Institutional Corrections	3
CRJ 227	Community-Based Corrections	3
CRJ 229	Juvenile Delinquency	3
CRJ 230	Principles of Courtroom Testimony	3
ECE 141	Health, Safety and Nutrition	3
ECE 214	Group Care of Infants & Toddlers	3
EDU 299	Special Topics in Education	1-3
HUS 134	Intimate Violence Crisis Response	4
HUS 152	Process Addictions/Impulse Disorders	2
HUS 153	Diverse and Multicultural Populations	2
HUS 156	Pharmacology and Disease in Substance Use	3
HUS 210	Principles of Residential Care	3
HUS 232	Trauma and Violence	3
HUS 253	Advanced Addictions Counseling Skills	3
HUS 299	Special Topics in Human Services	1-3
PSY 223	Abnormal Psychology or	
SOC 223	Being Different: The Sociology of Deviant Behavior	3
SWK 228	Human Sexuality	3

HUMAN SERVICES: ADULT SERVICES

**Degree: Associate in Applied Science,
Human Services: Adult Services
Plan 25HC**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
ENG 121 English Composition I	3
Math Elective — Higher Level Math (MTH 140 Contemporary Mathematics recommended) or Science Elective	3
PSY 121 Introduction to Psychology	3
SWK 121+ Introduction to Social Work	3
HUS 140+ Drugs and Society	3

SECOND SEMESTER	15
CMM 121+ Fundamentals of Speech	3
HUS 123 Introduction to Group Dynamics	3
HUS 128 Introduction to Counseling Skills	3
HUS 154 Ethics in Human Services	2
HUS 274 Human Services Practicum Orientation	1
SOC 121 Introduction to Sociology	3

THIRD SEMESTER	16
HUS 121 Health and Nutrition	3
HUS 170 Human Services Practicum I	4
HUS 232 Trauma and Violence	4
SOC 224 Sociology of the Family Humanities or Fine Arts Elective +	3

FOURTH SEMESTER	15-17
HUS 171 Human Services Practicum II	4
HUS 231 Adult Development and Aging or Lifespan Development	3
PSY 220 Abnormal Psychology or Being Different: The Sociology of Deviant Behavior	3
SOC 223 Electives # — Recommended:	
SWK 228 Human Sexuality	3
HUS 152 Process Addictions/ Impulse Disorders	2
HUS 299 Special Topics in Human Services	1-3
Total Hours for A.A.S. Degree	64

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

+ Completing coursework during the summer session(s) may enable students to complete the program earlier or reduce the course load during fall and spring semesters.

From the list of concentration electives below, select 7 hours of courses:

CRJ 121 Introduction to Criminal Justice	3
CRJ 124 Introduction to Corrections	3
CRJ 224 Institutional Corrections	3
CRJ 227 Community-Based Corrections	3
CRJ 230 Principles of Courtroom Testimony	3
HUS 134 Intimate Violence Crisis Response	4
HUS 152 Process Addictions/ Impulse Disorders	2
HUS 153 Diverse and Multicultural Populations	2
HUS 156 Pharmacology and Disease in Substance Use	3
HUS 234 Child Maltreatment	3
HUS 299 Special Topics in Human Services	1-3
PRS 111 Survey of Rehabilitation Skills	3
PRS 112 Psychiatric Rehabilitation Skills	3
SWK 228 Human Sexuality	3

HUMAN SERVICES: ADDICTION COUNSELING AND TREATMENT

**Degree: Associate in Applied Science,
Human Services: Addiction Counseling
and Treatment
Plan 25HD**

CLC has achieved national accreditation by the National Addiction Studies Accreditation Commission (NASAC) and is commended for excellence in the preparation of the 21st Century Addictions Professional Workforce. The Human Services Addiction Counseling and Treatment Program (ACT) is accredited by the Illinois Certification Board (ICB, INC.) as both an Advanced and Preparatory Training Program.

Plan 25HD is an ICB (ICB/IAODAPCA, Inc.) accredited Advanced Addiction Training Program. Upon completion, students are qualified to take the CADC exam to become an Illinois Certified Alcohol/Drug Counselor. No additional work experience is required.

In order to take upper-level courses, students must apply for admittance in the program, which may include background checks, drug screens, and/or interviews. Upon application to the Addiction Counseling and Treatment (ACT) option, students should have no history of alcohol or other drug abuse, any addiction or other addictive disorders, or should be in recovery without recurrence and out of treatment or correctional supervision for at least 18 months.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
ENG 121 English Composition I	3
PSY 121+ Introduction to Psychology	3
HUS 123 Introduction to Group Dynamics	3
HUS 128 Introduction to Counseling Skills	3
HUS 140 Drugs and Society	3

Continued on next page.

EDUCATION AND SOCIAL SCIENCES PROGRAMS

DEGREES/CERTIFICATES

SECOND SEMESTER 14

CMM 121+	Fundamentals of Speech Math Elective — Higher Level Math (MTH 140 Contemporary Mathematics recommended) or Science Elective	3
HUS 151	Addiction Counseling and Treatment I	3
HUS 154	Ethics in Human Services	2
SWK 121+	Introduction to Social Work	3

THIRD SEMESTER 15

SOC 121+	Introduction to Sociology	3
HUS 152	Process Addictions and Impulse Disorders	2
HUS 153	Diverse and Multicultural Populations	2
HUS 156	Pharmacology and Disease in Substance Use	3
HUS 251	Addiction Counseling and Treatment II	4
HUS 253	Advanced Addiction Counseling Skills	3
HUS 274	Human Services Practicum Orientation	1

FOURTH SEMESTER 15

HUS 121	Health and Nutrition Humanities or Fine Arts Elective+	3
HUS 299	Special Topics in Human Services	2
HUS 275	Addiction Counseling Practicum I	4
HUS 231+	Adult Development and Aging or	
PSY 220+	Lifespan Development or	
PSY 226+	Adolescent Development	3

FIFTH SEMESTER 8-9

HUS 276	Addiction Counseling Practicum II	4
SWK 228	Human Sexuality or	
HUS 232	Trauma and Violence	3-4
HUS 278	Addiction Counselor Capstone	1

Total Hours for A.A.S. Degree 67-69

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

+ Completing coursework during the summer session(s) may enable students to complete the program earlier or reduce the course load during fall and spring semesters.

This academic plan is designed for a full-time student. Students opting to attend part time should consult with the HUS Faculty directly for a revised academic plan.

ADDICTION COUNSELING AND TREATMENT (Certificate) Plan 25HG

CLC has achieved national accreditation by the National Addiction Studies Accreditation Commission (NASAC) and is commended for excellence in the preparation of the 21st Century Addictions Professional Workforce. The Human Services Addiction Counseling and Treatment Program (ACT) is accredited by the Illinois Certification Board (ICB/IAODAPCA, Inc.) as both an Advanced and Preparatory Training Program.

Plan 25HG is both an Advanced and Preparatory Training Program.

Advanced Program: Upon completion of the program, students are qualified to take the CADC exam to become an Illinois Certified Alcohol/Drug Counselor. No additional work experience is required.

ICB Preparatory Program: Students will be waived from the 2nd practicum (HUS 276), however upon completion of the program, there is a work experience requirement in order to earn the CADC.

According to ICB/IAODAPCA regulations, students who wish to earn their CADC through the Advanced Program must possess a minimum of an Associate's degree in Human Services or a Behavioral Science from an accredited institution of higher education. Students who do not meet this requirement should complete the A.A.S. in Addiction Counseling and Treatment, Plan 25HD, or complete this certificate as a Preparatory Program.

In order to be admitted to this option, student must first meet with department faculty. Up to 15 credit hours of prerequisite courses may be transferred from another institution with the permission of the Human Services department chair, upon submission and review of transcripts indicating successful completion. Students needing to meet these prerequisites may take them concurrently with the courses required for the certificate.

In order to take upper-level courses, students must apply for admittance in the program, which may include background checks, drug screens, and/or interviews. Upon application to the Addiction Counseling and Treatment (ACT) option, students should have no history of alcohol or other drug abuse, any addiction or other addictive disorders, or should be in recovery without recurrence and out of treatment or correctional supervision for at least 18 months.

FIRST SEMESTER 15

CLC 120 ^	College Success Seminar	[2]
HUS 121	Health and Nutrition	3
HUS 123	Introduction to Group Dynamics	3
HUS 128	Introduction to Counseling Skills	3
HUS 140	Drugs and Society	3
HUS 231	Adult Development and Aging or	
PSY 226	Adolescent Development or	
PSY 220	Lifespan Development	3

SECOND SEMESTER 12

HUS 151	Addiction Counseling and Treatment I	3
HUS 152	Process Addictions/ Impulse Disorders	2
HUS 153	Diverse/Multicultural Populations	2
HUS 154	Ethics in Human Services	2
HUS 156	Pharmacology and Disease in Substance Use	3

THIRD SEMESTER 8

HUS 251	Addiction Counseling and Treatment II	4
HUS 253	Advanced Addiction Counseling Skills	3
HUS 274	Human Services Practicum Orientation	1

FOURTH SEMESTER 6

HUS 275	Addiction Counseling Practicum I	4
HUS 299	Special Topics in Human Services	2

FIFTH SEMESTER 5

HUS 276	Addiction Counseling Practicum II	4
HUS 278	Addiction Counselor Capstone	1

Total Hours for Certificate 46

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**HUMAN SERVICES:
CORRECTIONAL COUNSELING**

*Degree: Associate in Applied Science,
Human Services: Correctional Counseling
Plan 25HK*

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
ENG 121 English Composition I	3
Math Elective — Higher Level Math (MTH 140 Contemporary Mathematics recommended) or Science Elective	3
PSY 121 Introduction to Psychology	3
HUS 121 Health and Nutrition	3
SWK 121 Introduction to Social Work	3
SECOND SEMESTER	17
CMM 121+ Fundamentals of Speech	3
CRJ 121 Introduction to Criminal Justice	3
HUS 123 Introduction to Group Dynamics	3
HUS 128 Introduction to Counseling Skills	3
HUS 140 Drugs and Society	3
HUS 154 Ethics in Human Services	2
THIRD SEMESTER	15
SOC 121 Introduction to Sociology	3
CRJ 227 Community-Based Corrections	3
HUS 274 Human Services Practicum Orientation	1
HUS 231 Adult Development and Aging or	
PSY 220 Lifespan Development or	
PSY 226 Adolescent Development	3
HUS 253 Advanced Addiction Counseling Skills	3
Concentration Electives	2
FOURTH SEMESTER	13
HUS 219 Human Services Internship	4
CRJ 214 Substance Abuse and Criminal Justice	3
Humanities or Fine Arts Elective	3
Elective — Recommended#:	
HUS 234 Child Maltreatment	3
Total Hours for A.A.S. Degree	60

From the list of concentration electives below, select 5 hours of courses:

CRJ 119 Principles of Direct Supervision	3
CRJ 123 Introduction to Criminology	3
CRJ 124 Introduction to Corrections	3
CRJ 221 Criminal Law	3
CRJ 224 Institutional Corrections	3
CRJ 229 Juvenile Delinquency	3
CRJ 230 Principles of Courtroom Testimony	3
HUS 116 Principles of Foster Care	1
HUS 134 Intimate Violence Crisis Response	4
HUS 151 Addiction Counseling and Treatment I	3
HUS 152 Process Addictions/ Impulse Disorders	2
HUS 156 Pharmacology and Disease in Substance Use	3
HUS 232 Trauma and Violence	4
HUS 234 Child Maltreatment	3
HUS 299 Special Topics in Human Services	1-3
PSC 122 State and Local Politics	3
PSY 223+ Abnormal Psychology or	
SOC 223+ Being Different: The Sociology of Deviant Behavior	3

+ Recommended Course (either PSY 223 or SOC 223)

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**CORRECTIONAL COUNSELING
(Certificate) Plan 25HJ**

SUMMER SESSION	
CLC 120 ^ College Success Seminar	[2]
FIRST SEMESTER	18
HUS 123 Introduction to Group Dynamics	3
HUS 128 Introduction to Counseling Skills	3
HUS 140 Drugs and Society	3
CRJ 121 Introduction to Criminal Justice	3
CRJ 227 Community Based Corrections	3
Elective — Recommended#:	
CRJ 124 Introduction to Corrections	3

SECOND SEMESTER	15-16
HUS 253 Advanced Addiction Counseling Skills	3
CRJ 214 Substance Abuse and Criminal Justice	3
HUS 219 Human Services Internship or	
CRJ 270 Criminal Justice Seminar	3-4
HUS 154 Ethics in Human Services	2
HUS 274 Human Services Practicum Orientation	1
Electives — Recommended#:	
HUS 152 Process Addictions/ Impulse Disorders	2
HUS 299 Special Topics in Human Services	1
Total Hours for Certificate	33-34

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

From the list of concentration electives below, select 6 hours of courses.

CRJ 119 Principles of Direct Supervision	3
CRJ 123 Introduction to Criminology	3
CRJ 124 Introduction to Corrections	3
CRJ 221 Criminal Law	3
CRJ 224 Institutional Corrections	3
CRJ 229 Juvenile Delinquency	3
CRJ 230 Principles of Courtroom Testimony	3
CRJ 270 Criminal Justice Assessment	3
HUS 116 Principles of Foster Care	1
HUS 151 Addiction Counseling and Treatment I	3
HUS 152 Process Addictions/ Impulse Disorders	2
HUS 156 Pharmacology and Disease in Substance Use	3
HUS 232 Trauma and Violence	4
HUS 234 Maltreatment	3
HUS 251 Addiction Counseling and Treatment II	4
HUS 299 Special Topics and Human Services	1-3
PSC 122 State and Local Politics	3
PSY 223 Abnormal Psychology or	
SOC 223 Being Different: The Sociology of Deviant Behavior	3

Continued on next page.

GENERAL HUMAN SERVICES (Certificate) Plan 25HF

The certificate program is intended for students who already hold professional degrees or have taken extensive course work in other academic fields. Students are strongly encouraged to consult with a department advisor prior to beginning this certificate. The certificate provides the additional study that is often required when there has been a career change.

FIRST SEMESTER	13
CLC 120 ^ College Success Seminar [2]	
HUS 123 Introduction to Group Dynamics	3
HUS 128 Introduction to Counseling Skills	3
HUS 140 Drugs and Society	3
PSY 121 Introduction to Psychology	3
HUS 274 Human Services Practicum Orientation	1

SECOND SEMESTER	18
HUS 154 Ethics in Human Services	2
HUS 219 Human Serv Internship	4
HUS 232 Trauma and Violence	4
HUS 299 Special Topics in Social work	2
HUS 231 Adult Development and Aging <i>or</i>	
PSY 220 Lifespan Development <i>or</i>	
PSY 222 Child Growth and Development <i>or</i>	
PSY 226 Adolescent Development	3
SWK 121 Introduction to Social Work <i>or</i>	
SWK 228 Human Sexuality	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Total Hours for Certificate 31

HUMAN SERVICES: TRAUMA INTERVENTIONS AND PREVENTION

Degree: Associate in Applied Science, Human Services: Trauma Interventions and Prevention Plan 25HL

This program is designed for students who are interested in gaining general knowledge and skills to work with people who have survived trauma or violence. Content areas include: Crisis intervention, emergency management, culture of violence, assessment, counseling, etc. The students will gain skills and knowledge to work in entry-level positions in the human services fields including Substance Use/Addictions, Child Care Resource and Referral, Domestic Violence, Homeless Programs, Sexual Violence programs, Corrections, etc.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	14
CLC 120 ^ College Success Seminar [2]	
ENG 121 English Composition I	3
Math Elective — Higher Level Math (MTH 140 Contemporary Mathematics recommended) <i>or</i>	
Science Elective	3
HUS 154 Ethics in Human Services	2
PSY 121 Introduction to Psychology	3
SWK 121 Introduction to Social Work	3

SECOND SEMESTER	16
CMM 121 Fundamentals of Speech	3
HUS 231 Adult Development and Aging <i>or</i>	
PSY 220 Lifespan Development <i>or</i>	
PSY 222 Child Growth and Development <i>or</i>	
PSY 226 Adolescent Development	3
HUS 123 Introduction to Group Dynamics	3
HUS 128 Introduction to Counseling Skills	3
HUS 232 Trauma and Violence	4

THIRD SEMESTER	17
HUS 134 Intimate Violence Crisis Response	4
HUS 140 Drugs and Society	3
HUS 234 Child Maltreatment	3
HUS 236 Crisis Intervention	3
HUS 274 Human Services Practicum Orientation	1
Humanities or Fine Arts Elective	3

FOURTH SEMESTER	15
HUS 121 Health and Nutrition	3
HUS 219 Human Services Internship	4
HUS 299 Special Topics in Human Services	2

Electives — Recommended:

HUS 152 Process Addictions/ Impulse Disorders	2
PSY 223 Abnormal Psychology	3
HUS 116 Principles of Foster Care	1

Total Hours for A.A.S. Degree 62

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

From the list of concentration electives below, select 6 hours of courses:

CRJ 119 Principles of Direct Supervision	3
CRJ 123 Introduction to Criminology	3
CRJ 124 Introduction to Corrections	3
CRJ 224 Institutional Corrections	3
CRJ 227 Community-Based Corrections	3
CRJ 229 Juvenile Delinquency	3
CRJ 230 Principles of Courtroom Testimony	3
HUS 116 Principles of Foster Care	1
HUS 152 Process Addictions/ Impulse Disorders	2
HUS 156 Pharmacology and Disease in Substance Use	3
HUS 251 Addiction Counseling and Treatment II	4
HUS 253 Advanced Addictions Counseling Skills	3
PSC 122 State and Local Politics	3
PSY 223 Abnormal Psychology <i>or</i>	
SOC 223 Being Different: The Sociology of Deviant Behavior	3

TRAUMA INTERVENTIONS AND PREVENTION (Certificate) Plan 25HM

This program is designed for students who have a Bachelor's or Master's degree in Human Services, Social Work, Counseling, or an approved related field and are interested in gaining specialized knowledge and skills to work with survivors of various traumas including war, violence, natural and man-made disasters, interpersonal violence, abuse, accidents, and personal/family crises. The students will gain skills and knowledge to enhance their previous education and enable employment in the human services fields such as Substance Use/Addictions, Child Care Resources and Referral, Domestic Violence, Homeless Programs, Sexual Violence programs, Corrections, etc. Students with less than a Bachelor's Degree are encouraged to complete the A.A.S Degree in Trauma Interventions and Prevention, Plan 25HL. The Prerequisite Coursework may be waived by the Department Chair for students with similar courses and a Master's Degree in an approved program.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
HUS 121 Health and Nutrition	3
HUS 123 Introduction to Group Dynamics	3
HUS 128 Introduction to Counseling Skills	3
HUS 140 Drugs and Society	3
HUS 231 Adult Development and Aging <i>or</i>	
PSY 220 Lifespan Development <i>or</i>	
PSY 222 Child Growth and Development <i>or</i>	
PSY 226 Adolescent Development	3

SECOND SEMESTER	13
HUS 134 Intimate Violence Crisis Response	4
HUS 234 Child Maltreatment	3
HUS 154 Ethics in Human Services	2
Elective — Recommended:	
SWK 228 Human Sexuality	3

THIRD SEMESTER	13
HUS 219 Internship	4
HUS 232 Trauma and Violence	4
HUS 236 Crisis Intervention	3
Elective — Recommended:	
HUS 152 Process Addictions/ Impulse Disorders	2

FROM THE LIST OF CONCENTRATION ELECTIVES BELOW, SELECT 5 HOURS OF COURSES. (MUST BE TAKEN AT CLC)

HUS 116 Principles of Foster Care	1
HUS 151 Addiction Counseling and Treatment I	3
HUS 152 Process Addictions/ Impulse Disorders	2
HUS 156 Pharmacology and Disease in Substance Use	3
HUS 234 Child Maltreatment	3
HUS 251 Addiction Counseling and Treatment II	4
HUS 299 Special Topics and Human Services	1-3
SWK 228 Human Sexuality	3
CRJ 123 Introduction to Criminology	3
CRJ 124 Introduction to Corrections	3
CRJ 224 Institutional Corrections	3
CRJ 227 Community Based Corrections	3
CRJ 229 Juvenile Delinquency	3
CRJ 230 Principles of Courtroom Testimony	3
FST 120 Introduction to Emergency Management	3
PSC 122 State and Local Politics	3
PSY 223 Abnormal Psychology <i>or</i>	
SOC 223 Being Different: The Sociology of Deviant Behavior	3
HUS 274 Human Services Practicum Orientation	1
Total Hours for certificate	41

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

ACCELERATED ADDICTIONS COUNSELING AND TREATMENT (Certificate) Plan 25HN

CLC has achieved national accreditation by the National Addiction Studies Accreditation Commission (NASAC) and is commended for excellence in the preparation of the 21st Century Addictions Professional Workforce. The Human Services Addiction Counseling and Treatment Program (ACT) is accredited by the Illinois Certification Board (ICB/IAODAPCA, Inc.) as both an Advanced and Preparatory Training Program.

Plan 25HN is an accelerated track of the Addiction Counseling and Treatment program for individuals who have completed or are currently enrolled in a Master's Degree from an accredited clinical graduate program in Social Work, Counseling, Clinical Psychology, Human Services, or other clinical counseling-related field of study. Upon completion of this ICB, Inc. Advanced Addiction Training Program and successfully passing the Certified Alcohol/Drug Counselor (CADC) Exam, the student will earn certification as a CADC from the ICB, Inc. To be accepted into this program, students must have completed or be in the second-year of a clinical master's program, submit a transcript from an accredited clinical graduate program, complete a screening form and meet other requirements such as background checks, drug screens, and interviews with full-time faculty members in Human Services who will also verify course equivalencies. Upon application to this program option, students should have no history of alcohol or other substance use or addictive disorders, or should be in recovery without recurrence and out of treatment or correctional supervision for at least 18 months.

FIRST SEMESTER	9
HUS 140 Drugs and Society	3
HUS 151* Addiction Counseling and Treatment I	3
HUS 156 Pharmacology and Disease in Substance Use	3
* department consent needed to take concurrently with HUS 140	

SECOND SEMESTER	7
HUS 251 Addiction Counseling and Treatment II	4
HUS 253 Advanced Addiction Counseling Skills	3

THIRD SEMESTER	5
HUS 275 Addiction Counseling Practicum I	4
HUS 278 Addiction Counselor Capstone	1

FOURTH SEMESTER	1-3
HUS 276 Addiction Counseling Practicum II	1-3

Total Hours for Certificate 22-24

+ A minimum of 19 credit hours must be completed at CLC

For more information on recommended courses or program specific advising, contact the Mick Cullen at (847) 543-2573, mcullen@clcillinois.edu or the Business and Social Sciences Division at (847) 543-2047.



POLITICAL SCIENCE

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/psc

Degree: Associate in Arts
Plan 13AB-PSC

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition II	3
MTH 141	Quantitative Literacy	3
PSC 120	Introduction to Political Science or	3
PSY 121	Introduction to Psychology Humanities or Fine Arts Elective	3
SECOND SEMESTER		16
ANT 221	Cultural Anthropology	3
ENG 122	English Composition II	3
GEG 120	Principles of Physical Geography	4
ECO 221	Principles of Macroeconomics Concentration/Elective	3

THIRD SEMESTER		15-16
CMM 121	Fundamentals of Speech Life Science Elective	3 3-4
PHI 121	Introduction to Philosophy Concentration/Elective	3 3
	Concentration/Elective	3

FOURTH SEMESTER		15
HST 121	History of Western Civilization to 1500 or	
HST 122	History of Western Civilization 1500 to Present Humanities or Fine Arts Elective	3 3 3
	Concentration/Elective	3
	Concentration/Elective	3

CONCENTRATION/ELECTIVES		
GEG 122	Cultural Geography	3
HST 122	History of Western Civilization 1500 to Present	3
HST 141	World History to 1500	3
HST 142	World History from 1500	3
PSC 120	Introduction to Political Science	3
PSC 121	American National Politics	3
PSC 122	State and Local Politics	3
PSC 221	Comparative Political Systems	3
PSC 222	International Relations Additional Electives as Needed	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Math requirements vary at four-year institutions.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S.). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact Tim Murphy at (847) 543-2940 or the Business and Social Sciences Division at (847) 543-2047.

PSYCHOLOGY

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/psy

**Degree: Associate in Arts
Plan 13AB-PSY**

The following courses are just one example of a possible sequence of courses. Once a transfer school is selected students are **strongly encouraged** to meet with a College and Career Navigator or Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. A grade of C or better is required for all English course requirements.

FIRST SEMESTER	12
CLC 120 ^	College Success Seminar [2]
ENG 121	English Composition I 3
MTH 142	General Education Statistics 3
PSY 121*	Introduction to Psychology 3
ART 121	Introduction to Art 3

SECOND SEMESTER	16
ENG 122	English Composition II 3
BIO 161	General Biology I 4
ANT 221	Cultural Anthropology 3
PHI 121	General Physics I 3
PSY 223	Abnormal Psychology 3

THIRD SEMESTER	16
CMM 121	Fundamentals of Speech 3
ESC 120	Earth Science 3
PSY 222	Child Growth and Development 3
PSY 225	Social Psychology 3
	Foreign Language or other elective 4

FOURTH SEMESTER	16
HUM 121	Critical Thinking <i>or</i> other Humanities or Fine Arts elective 3
SOC 222	Social Problems <i>or</i> other Social and Behavioral Science elective 3
PSY 224	Theories of Personality <i>or</i> other concentration elective 3
PSY 227	Psychology of Gender <i>or</i> other concentration elective 3
	Foreign Language or other elective 4

CONCENTRATION/ELECTIVES

RECOMMENDED COURSES:

PSY 121	Introduction to Psychology	3
PSY 122	Industrial/Organizational Psychology	3
PSY 220	Lifespan Development	3
PSY 222	Child Growth and Development	3
PSY 223	Abnormal Psychology	3
PSY 224	Theories of Personality	3
PSY 225	Social Psychology	3
PSY 226	Adolescent Psychology	3
PSY 228	Human Sexuality	3
PSY 227	Psychology of Gender	3
PSY 231	Adult Development and Aging	3
PSY 240	Brain and Behavior	3
PSY 242	Cognitive Psychology	3
PSY 248	Psychology of the Criminal Mind	3

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* PSY 121 is a prerequisite for all 200-level Psychology courses.

The Bachelor of Arts/Science degree at many four-year institutions may require foreign language at the college level. Students who are planning to transfer should meet with an Academic Success Advisor or speak with the admissions office of the transfer school to identify the foreign language requirement for the intended major.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty members or the Business and Social Sciences Division at (847) 543-2047.

Nora Benjamin | Shari Brueske | Vara Durbha
Evan Finer | Kenneth Kikuchi | Martha Lally
Matthew Rasmussen | Eric Rogers
Suzanne Valentine-French





SOCIAL WORK

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/swk

Degree: Associate in Arts
Plan 13AB-SWK

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
ENG 121 English Composition I	3
MTH 142 General Education Statistics	3
PSY 121 Introduction to Psychology	3
PHI 125 Introduction to Ethics (I/M)	3
PSC 121 American National Politics	3

SECOND SEMESTER	15
ENG 122 English Composition II	3
GEG 121 Physical Geography <i>or</i>	
CHM 140 Chemistry for a Changing World	3
SWK 121 Introduction to Social Work (Elective)	3

Electives — Recommended #:

HUS 140 Drugs and Society	3
SOC 121 Introduction to Sociology	3

THIRD SEMESTER	16	
CMM 121 Fundamentals of Speech	3	
BIO 141 Concepts in Biology	4	
SWK 228 Human Sexuality (elective)	3	
	Fine Arts Elective	3

Elective — Recommended #:

HUS 128 Introduction to Counseling Skills	3
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FOURTH SEMESTER	15
ANT 221 Cultural Anthropology	3

Electives — Recommended #:

ECO 221 Principles of Macroeconomics	3
HUM 127 Critical Thinking	3
HUS 123 Introduction to Group Dynamics	3
SOC 225 Race, Class, & Gender	3

CONCENTRATION/ELECTIVES

RECOMMENDED COURSES:

ECO 221 Principles of Macroeconomics	3
ECO 222 Principles of Microeconomics	3
GXS 229 Sex, Gender and Power	3
HUS 123 Introduction to Group Dynamics	3
HUS 128 Introduction to Counseling Skills	3
HUS 140 Drugs and Society	3
HUS 234 Child Maltreatment	3
PSY 223 Abnormal Psychology	3
PSY 229 Psychology of Gender	3
SOC 121 Introduction to Sociology	3
SOC 224 Sociology of the Family	3
SOC 225 Race, Class, & Gender	3
SWK 121 Introduction to Social Work	3
SWK 228 Human Sexuality	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Math requirements vary at four-year institutions.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A.). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty members or the Business and Social Sciences Division at (847) 543-2047.

Mick Cullen

SOCIOLOGY

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/soc

Degree: Associate in Arts
Plan 13AB-SOC

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		13
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
CHM 120	Chemical Concepts	4
PSY 121	Introduction to Psychology <i>or</i> other Social and Behavioral elective	3
SOC 121	Introduction to Sociology	3
SECOND SEMESTER		15
ANT 221	Cultural Anthropology	3
CMM 121	Fundamentals of Speech	3
ENG 122	English Composition II	3
HUM 127	Critical Thinking	3
SOC 222	Social Problems	3

THIRD SEMESTER		16
SOC 225	Class, Race, and Gender	3
SOC 229	Sex, Gender, and Power	3
MTH 142	General Education Statistics <i>or</i> other math elective	3
THE 123	Diversity in American Theatre or other Fine Arts elective	3
	Foreign Language <i>or</i> other elective	4

FOURTH SEMESTER		16
SOC 224	Sociology of the Family	3
PHI 125	Introduction to Ethics	3
BIO 149	Genetics and Society	3
HUM 221	American Decades <i>or</i> other Humanities and Fine Arts elective	3
	Foreign Language <i>or</i> other elective	4

CONCENTRATION/ELECTIVES		
GEG 122	Cultural Geography	3
GXS 121	Introduction to Gender Studies	3
PHI 128	Social and Political Philosophy	3
PSY 121	Introduction to Psychology	3
PSY 225	Social Psychology	3
SOC 121	Introduction to Sociology	3
SOC 223	Being Different: The Sociology of Deviant Behavior	3
SOC 299	Special Topics in Sociology	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty members or the Business and Social Sciences Division at (847) 543-2047.

Frederic Hutchinson | Sonia Oliva
Suzanne Pryga | John Tenuto



LEGAL STUDIES AND PUBLIC SAFETY



CRIMINAL JUSTICE

- Criminal Justice A.A.
- Criminal Justice A.A.S.
 - Criminal Justice Certificate

EMERGENCY MEDICAL TECHNOLOGY

- Emergency Medical Technology A.A.S.
 - Emergency Medical Technician – Basic Certificate
 - Emergency Medical Technician – Paramedic Certificate

FIRE SCIENCE TECHNOLOGY

- Fire Science Technology A.A.S.
- Firefighter Basic Operations A.A.S.

LEGAL STUDIES

- Legal Studies A.A.S.
 - Legal Studies Certificate

CRIMINAL JUSTICE

Business and Social Sciences Division,
Room T302, (847) 543-2047
www.clcillinois.edu/programs/crj

Degree: Associate in Arts
Plan 13AB-CRJ

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
CMM 121 Fundamentals of Speech	3
ENG 121 English Composition I	3
MTH 142 General Education Statistics	3
PSY 121 Introduction to Psychology	3
CRJ 121 Introduction to Criminal Justice (elective)	3

SECOND SEMESTER	15
ENG 122 English Composition II	3
ESC 128 Great Mysteries of the Earth	3
SOC 121 Introduction to Sociology	3
CRJ 122 Introduction to Policing (elective)	3
CRJ 123 Introduction to Criminology (elective)	3

THIRD SEMESTER	16	
BIO 120 Environmental Biology	4	
	Fine Arts Elective	3
CRJ 124 Introduction to Corrections (elective)	3	
CRJ 221 Criminal Law (elective)	3	
HUM 127 Critical Thinking	3	

FOURTH SEMESTER	15
PSC 121 American National Politics	3
PHI 125 Introduction to Ethics	3
CRJ 222 Criminal Procedural Law (elective)	3
CRJ 229 Juvenile Delinquency (elective)	3
CRJ 248 Psychology of the Criminal Mind (elective)	3

Math requirements vary at four-year institutions

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty or the Business and Social Sciences Division at (847) 543-2047.

Javier Alonso | Chris Utecht | Jennifer Hulvat

Continued on next page.



CRIMINAL JUSTICE

**Degree: Associate in Applied Science,
Criminal Justice
Plan 25CE**

This program is designed to prepare students for a variety of careers in the criminal justice system at local, state, and federal levels. Students can specialize in a number of areas including law enforcement, criminal investigation, juvenile justice, court services, and community-based and institutional corrections. All students are urged to consult with a criminal justice faculty advisor in planning their program of study.

To complete an A.A.S., students are **strongly encouraged** to meet with the Full-time Criminal Justice Faculty to identify coursework that will meet degree requirements.

For additional pathways to completion, see department website at www.clcillinois.edu/programs/crj

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
ENG 121 English Composition I <i>or</i>	
ENG 120 Technical Composition I	3
Science or Mathematics Elective (MTH 142 recommended)*	3
PSY 121 Introduction to Psychology	3
CRJ 121 Introduction to Criminal Justice	3
CMM 121 Fundamentals of Speech	3
SECOND SEMESTER	15
CRJ 122 Introduction to Policing	3
SOC 121 Introduction to Sociology	3
PSC 122 State and Local Politics	3
CRJ 123 Introduction to Criminology	3
CRJ 124 Introduction to Corrections	3
SUMMER SESSION	3
CRJ 216 Police Management and Supervision <i>or</i> Criminal Justice Elective	3
THIRD SEMESTER	15
ART 149 Digital Photography I <i>or</i> Humanities or Fine Arts Elective	3
CRJ 213 Community Policing	3
CRJ 214 Substance Abuse and Criminal Justice	3
CRJ 221 Criminal Law	3
CRJ 223 Ethics in Criminal Justice	3

FOURTH SEMESTER	15
CRJ 130 Report Writing	3
CRJ 222 Criminal Procedural Law	3
CRJ 229 Juvenile Delinquency	3
CRJ 230 Principles of Courtroom Testimony	3
CRJ 270 Criminal Justice Assessment Seminar	3
Total Hours for A.A.S. Degree	63

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

CONCENTRATION/ELECTIVES

CIT 155 Introduction to Computer Forensics	3
CRJ 118 Introduction to Forensic Science	3
CRJ 119 Principles of Direct Supervision	
CRJ 125 Introduction to Private Security	3
CRJ 130 Report Writing	3
CRJ 150 Careers in Criminal Justice	3
CRJ 212 Traffic Law Enforcement	3
CRJ 213 Community Policing	3
CRJ 214 Substance Abuse and Criminal Justice	3
CRJ 216 Police Management and Supervision	3
CRJ 218 Criminal Justice Internship	3
CRJ 219 Principles of Criminal Investigation	3
CRJ 220 Independent Research	3
CRJ 224 Institutional Corrections	3
CRJ 227 Community Based Corrections	3
CRJ 230 Principles of Courtroom Testimony	3
CRJ/PSY 248 Psychology of the Criminal Mind (cross-listed as PSY 248)	3
CRJ 299 Special Topics in Criminal Justice	1-3
HUS 140 Drugs and Society	3
SOC 222 Social Problems	3
LGL 110 Introduction to Legal Studies	3
SOC 223 Being Different: The Sociology of Deviant Behavior	3
SWK 121 Introduction to Social Work	3

**CRIMINAL JUSTICE
(Certificate) Plan 25CF**

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
CRJ 121 Introduction to Criminal Justice	3
CRJ 123 Introduction to Criminology	3
PSY 121 Introduction to Psychology	3
Additional CRJ Courses*	6

SECOND SEMESTER	15
CRJ 221 Criminal Law	3
SOC 121 Introduction to Sociology	3
Additional CRJ Courses*	9

Total hours for Certificate **30**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**ADDITIONAL CRJ COURSES*
SELECT FROM ALL OTHER CRJ COURSES AS
WELL AS THE CRJ PROGRAM ELECTIVES
LISTED BELOW**

CIT 155 Introduction to Computer Forensics	3
CRJ 118 Introduction to Forensic Science	3
CRJ 119 Principles of Direct Supervision	3
CRJ 125 Introduction to Private Security	3
CRJ 130 Report Writing	3
CRJ 150 Careers in Criminal Justice	3
CRJ 212 Traffic Law Enforcement	3
CRJ 213 Community Policing	3
CRJ 214 Substance Abuse and Criminal Justice	3
CRJ 216 Police Management and Supervision	3
CRJ 218 Criminal Justice Internship	3
CRJ 219 Principles of Criminal Investigation	3
CRJ 220 Independent Research	3
CRJ 224 Institutional Corrections	3
CRJ 227 Community Based Corrections	3
CRJ 230 Principles of Courtroom Testimony	3
CRJ/PSY 248 Psychology of the Criminal Mind	3
CRJ 299 Special Topics in Criminal Justice	1-3
HUS 140 Drugs and Society	3
LGL 110 Introduction to Legal Studies	3
SOC 222 Social Problems	3
SOC 223 Deviance	3
SWK 121 Introduction to Social Work	3

**PRIVATE SECURITY AND LOSS PREVENTION
(Certificate) Plan 25CG**

This certificate program in private security and loss prevention provides the foundational knowledge for entry-level employment in the fields of private security and loss prevention. The certificate is designed for students looking for additional coursework to broaden their workplace expertise or those seeking employment in entry-level positions immediately upon graduation from the College of Lake County.

FIRST SEMESTER	15
CRJ 121 Introduction to Criminal Justice	3
CRJ 122 Introduction to Policing	3
CRJ 125 Introduction to Private Security	3
CRJ 130 Report Writing	3
CRJ 219 Principles of Criminal Investigation	3
Total hours for Certificate	15

**CORRECTIONS
(Certificate) Plan 25CH**

This certificate program in corrections provides the foundational knowledge for entry-level employment in the field of institutional corrections. The certificate is designed for students looking for additional coursework to broaden their workplace expertise or those seeking employment in entry-level positions immediately upon graduation from CLC.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
CRJ 121 Introduction to Criminal Justice	3
CRJ 123 Introduction to Criminology	3
CRJ 124 Introduction to Corrections	3
CRJ 125 Introduction to Private Security	3
SECOND SEMESTER	12
CRJ 130 Report Writing	3
CRJ 224 Institutional Corrections	3
CRJ 227 Community Based Corrections	3
CRJ 229 Juvenile Delinquency	3
Total hours for Certificate	24

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, contact faculty member Christopher Utecht at (847) 543-2944, Javier Alonso at (847) 543-2468, Jennifer Hulvat at (847) 543-2574 or the Business and Social Sciences Division at (847) 543-2047



EMERGENCY MEDICAL TECHNOLOGY

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/emt

**Degree: Associate in Applied Science,
Emergency Medical Technology
Plan 21EA**

This degree provides students with the knowledge and skills needed to gain employment as an emergency medical technician. Graduates of this program will be provided with a high degree of specialized emergency medical training and courses of general education designed to provide breadth of knowledge in a variety of fields, specific scientific knowledge, and additional communication skills.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER		14
CLC 120 ^	College Success Seminar	[2]
EMT 111	Emergency Medical Technician-Basic	7
ENG 120	Technical Composition I <i>or</i>	
ENG121	English Composition I	3
HIT 111	Medical Terminology	3
HIT 119	Pharmacology	1

SECOND SEMESTER		13
BIO 111	Human Form and Function <i>or</i>	
BIO 244	Anatomy and Physiology I	4
ANT 221	Cultural Anthropology <i>or</i>	
ANT 228	Cross-Cultural Relationships <i>or</i>	
PSY 121	Introduction to Psychology <i>or</i> Social Science Elective	3
HUM 127	Critical Thinking <i>or</i> Humanities or Fine Arts Elective	3
	CMM Elective (CMM 111, 121, 122, 123 or 128 recommended)	3

THIRD SEMESTER		16
BIO 245*	Anatomy and Physiology II	4
EMT 114	Paramedic Clinical Practicum	3
EMT 115	Paramedic Field Experience Practicum	3
EMT 131	Introduction to Advanced Pre-hospital Care	4
EMT 132	Patient Assessment	2
FOURTH SEMESTER		14
EMT 133	Medical Emergencies	5
EMT 134	Trauma Emergencies	3
EMT 135	Special Considerations and Operations	6
FIFTH SEMESTER		9
MTH 114	Applied Mathematics I <i>or</i> MTH Elective (higher than MTH 114) Electives	3 6

Total Hours for A.A.S. Degree 62-66

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* **BIO 245 is only required if BIO 244 was taken instead of BIO 111 in the second semester.**

For more information on recommended courses or program specific advising, contact department chair, Carol Wismer at (847) 543-2142, or the Biological and Health Sciences division at (847) 543-2042.



FIRE SCIENCE TECHNOLOGY

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/fst

**Degree: Associate in Applied Science,
Fire Science Technology
Plan 25FB**

The Fire Science Technology Associate in Applied Science degree is designed to serve the needs of students in the Fire Service and to prepare others to enter the Fire Service.

Many of the Fire Science courses are recognized by the Office of the State Fire Marshall (OSFM) and students that are members of an Illinois fire department may be allowed to challenge the OSFM exam upon completion of the course. Students not members of an Illinois fire department may be allowed to challenge the OSFM end-of-course examination upon becoming a member of a recognized fire department in Illinois.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
ENG 120	Technical Composition I	3
PSY 121	Introduction to Psychology	3
MTH 114	Applied Mathematics I	3
CIT119	Introduction to Office Software	3
FST 111	Introduction to Fire Service	3
SECOND SEMESTER		16
CMM 121	Fundamentals of Speech	3
PHY 120	Practical Aspects of Physics	4
FST 180	Principles of Fire and Emergency Services, Safety and Survival	3
FST 173	Fire Instructor I	3
FST 174	Fire Instructor II	3

THIRD SEMESTER		18
PSC 122	State and Local Politics	3
HUM 127	Critical Thinking <i>or</i> other Humanities or Fine Arts Elective	3
FST 120	Introduction to Emergency Management	3
FST 177	Fire Prevention Principles I	3
FST 181	Fire Behavior and Combustion	3
FST 182	Building Construction for Fire Protection	3

FOURTH SEMESTER		15
FST 116	Fire Fighting Tactics and Strategy I	3
FST 117	Fire Fighting Tactics and Strategy II	3
FST 179	Fire Protection Systems	3
FST 217	Fire Officer Communications	3
FST 218	Fire Officer Supervision	3

Total Hours for A.A.S. Degree **64**

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

A minimum of 21 credit hours of Concentration/Electives are required to fulfill this requirement.

FIRE SCIENCE ELECTIVES		
SELECT 21 HOURS FROM THE LIST BELOW:		
FST 192	Hazardous Materials Operations	3
FST 200	Terrorism and Homeland Security	3
FST 201	Fire Investigation I	3
FST 202	Fire Investigation II	3
FST 206	Occupational Safety and Health for Emergency Services	3
FST 273	Fire Science Business a Operations	3
FST 274	Fire Administration and the Law	3
FST 279	Special Topics in Fire Service	3
EMT 111	Emergency Medical Tech-Basic	7

FIREFIGHTER BASIC OPERATIONS

Degree: Associate in Applied Science, Firefighter Basic Operations Plan 25FC

The Firefighter Basic Operations Associate in Applied Science degree is designed to serve the needs of students interested in obtaining the certifications/licenses required for an entry level position in the Fire Service. Students pursuing the A.A.S. degree are required to complete 25 credit hours of general education, 22 credit hours of Fire Science Technology core courses, and 15 hours of Fire Science Technology electives. There are two tracks to this degree. Students may choose the management (Fire Officer I) track or the non-management track.

Students will be required to provide approved personal protective safety equipment which may be purchased or leased. This equipment consists of firefighter turnouts (coat and pants), firefighting footwear, suspenders, gloves, hood, safety glasses, fire helmet, and self-contained breathing apparatus. All equipment must comply with current National Fire Protection Association (NFPA) Standards.

All students must have a valid NFPA 1001 medical physical and a current background investigation, and must consult with a Fire Science Technology adviser to plan and schedule their program.

ADMISSION REQUIREMENTS

To be admitted to this program the student must apply to the Department Chair. Approval will be approved based on conditions that include completion of the Firefighter Basic Operations application, proof of a valid Candidate Physical Ability Test (CPAT), successful completion of a background investigation that includes, but is not limited to the following: a criminal background investigation and fingerprinting; medical physical; provision of NFPA compliant personal protective equipment consisting of turnout coat, turnout pants, suspenders, footwear, hood, helmet, and gloves, provision of self-contained breathing apparatus facepiece that mates to College of Lake County (CLC) provided SCBA; and acknowledgment that the student will become a member of the Fire Department assigned by the college and the acknowledgment that they are required to provide scheduled staffing for the assigned Fire Department.

HEALTH PHYSICAL

Medical physical will meet NFPA Standard 1582, Chapter 6 (Standard on Comprehensive Occupational Medical Program for Fire Departments/Medical Evaluation of Candidates), including qualitative and quantitative respirator use evaluation.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
ENG 120 Technical Composition I	3
PSY 121 Introduction to Psychology	3
MTH 114 Applied Mathematics I	3
CIT119 Introduction to Office Software	3
FST 111 Introduction to Fire Service	3

SECOND SEMESTER	17
EMT 111 Emergency Medical Tech-Basic	7
FST 173 Fire Instructor I	3
FST 174 Fire Instructor II	3
PHY 120 Practical Aspects of Physics	4

THIRD SEMESTER	13
CMM 121 Fundamentals of Speech	3
FST 120 Introduction to Emergency Management	3
FST 130 Basic Operations Firefighter A	4
PSC 122 State and Local Politics	3

FOURTH SEMESTER	17
FST 131 Basic Operations Firefighter B	4
FST 132 Basic Operations Firefighter C	4
FST 116 Fire Fighting Tactics and Strategy I	3
FST 117 Fire Fighting Tactics and Strategy II	3
HUM 127 Critical Thinking	3

Total Hours for A.A.S. Degree 62

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

A minimum of 15 credit hours of Concentration/Electives are required to fulfill this requirement.

ELECTIVE COURSE SELECTION:

Students must choose 15 elective hours based on their preferred concentration. Management students must take the 15 credit hours listed in the Management block of elective courses. Non-management students will choose from the Non-Management block of elective courses, which includes some management courses.

BASIC FIREFIGHTER OPERATIONS ELECTIVES FOR MANAGEMENT	15
FST 116 Fire Fighting Tactics Strat I	3
FST 173 Fire Instructor I	3
FST 177 Fire Prevention Principles I	3
FST 200 Terrorism and Homeland Security	3
FST 217 Fire Officer Communications	3
FST 218 Fire Officer Supervision	3
FST 279 Special Topics Fire Service	3

BASIC FIREFIGHTER OPERATIONS ELECTIVES FOR NON-MANAGEMENT	15
FST 118 Incident Command	3
FST 179 Fire Protection Systems	3
FST 180 Principles of Fire and Emergency Services, Safety and Survival	3
FST 181 Fire and Combustion Behavior	3
FST 182 Building Construction for Fire Protection	3
FST 192 Hazardous Materials Operations	3
FST 200 Terrorism and Homeland Security	3
FST 201 Fire Investigation I	3
FST 202 Fire Investigation II	3
FST 206 Occupational Safety and Health for Emergency Services	3
FST 217 Fire Officer Communications	3
FST 218 Fire Officer Supervision	3
FST 273 Fire Science Business and Operations	3
FST 274 Fire Administration and the Law	3
FST 279 Special Topics in Fire Service	3

For more information on recommended courses or program specific advising, contact Jeff Howell at (847) 543-2928 or the Business and Social Sciences Division at (847) 543-2047.



LEGAL STUDIES

Business and Social Sciences Division
Room T302, (847) 543-2047
www.clcillinois.edu/programs/lgl

**Degree: Associate in Applied Science,
Legal Studies
Plan 22PA**

The Legal Studies program prepares students to perform substantive and procedural legal work under the supervision of an attorney. Paralegals work in many different areas of law within the public and private sectors, and assist attorneys in the delivery of efficient and cost-effective legal services. The purpose of the program is to prepare students for successful, productive employment and contributions to the legal and business fields. The program provides the foundation for students to think critically and ethically in performing specifically delegated substantive legal work for which a lawyer is responsible. This program is approved by the American Bar Association. ABA guidelines limit the use of asynchronous online courses for paralegal education. Thus, no Legal Studies degree or certificate will be issued unless at least 9 credit hours of Legal Studies coursework has been completed in a synchronous format.

Accelerated Option: Students who completed ENG 121 or the equivalent OR with department chair consent can enroll in LGL 110 and LGL 112 concurrently.

Legal Studies Program Policy on Auditing LGL Courses: Auditing LGL courses is only permitted by students who meet course prerequisites and who are currently employed as paralegals in the field of law that is the topic of the course requested to audit. Students seeking to audit a LGL course must obtain consent of the department chair.

Students should seek the advice of the department chair for course scheduling.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

NOTE: Paralegals may not provide legal services directly to the public, except as permitted by law.

FIRST SEMESTER	11
CLC 120[^] College Success Seminar	2
LGL 110 Introduction to Legal Studies	3
ENG 121 English Composition I	3
PHI 122 Logic <i>or</i>	
HUM 127 Critical Thinking	3

SECOND SEMESTER	15	
CMM 128 Interviewing Practices <i>or</i>		
CMM 121 Introduction to Speech	3	
LGL 112 Legal Research and Writing	3	
LGL 210+ Tort Law	3	
PSC 121 American National Politics	3	
	Legal Studies Elective	3

THIRD SEMESTER	13
LGL 114 Litigation	3
LGL 115 Law Office Technology and E-Discovery	4
LGL 116+ Contract Law	3
PSY 121 Introduction to Psychology <i>or</i>	
SOC 121 Introduction to Sociology	3

FOURTH SEMESTER	12	
MTH 114 Applied Mathematics I <i>or</i> MTH Elective (114 or higher)	3	
LGL 118+ Real Property Law	3	
LGL 211 Drafting Legal Documents	3	
	Legal Studies Elective	3

FIFTH SEMESTER	12	
LGL 251++ Legal Studies Capstone	3	
LGL 270* Legal Studies Assessment Seminar	3	
	Legal Studies Electives	6

Total Hours for A.A.S. Degree 63

LEGAL STUDIES ELECTIVES	
SELECT 12 HOURS FROM THE LIST BELOW:	
CRJ 121 Introduction to Criminal Justice	3
LGL 214 Administrative Agency Law	3
LGL 215 Immigration Law	3
LGL 218 Bankruptcy Law	3
LGL 221 Business Law I	3
LGL 222 Business Law II/Corporate and Securities Law	3
LGL 227 Law & Society: Marquee Moments of the United States Supreme Court	3
LGL 230 Family Law	3
LGL 232 Probate Law	3
LGL 233 Criminal Litigation	3
LGL 241 International Human Rights law and Justice	3
LGL 250++ Internship in Legal Studies	3
LGL 299 Topics in Legal Studies	1-6

[^] The credit for CLC 120, College Success Seminar, meet both an institutional and program requirement for graduation.

* LGL 270 must be reserved for the final semester prior to graduation and must not be taken prior to the final semester.

+ LGL 116, LGL 118, LGL 210 may be taken in any order.

++ LGL 250 and LGL 251 should be reserved for the final semester prior to graduation.

**LEGAL STUDIES
(Certificate) Plan 22PB**

The Legal Studies certificate prepares students to perform substantive and procedural legal work under the supervision of an attorney. Paralegals work in many different areas of law within the public and private sectors, and assist attorneys in the delivery of efficient and cost-effective legal services. The required certificate courses focus on the core knowledge and skills needed by paralegals in all areas. The elective courses enable students to gain additional knowledge in the legal specialty areas of greatest interest to them. The certificate program is available only to students who already have an Associate's or Bachelor's degree. This program is approved by the American Bar Association. ABA guidelines limit the use of asynchronous online courses for paralegal education. Thus, no Legal Studies degree or certificate will be issued unless at least 9 credit hours of Legal Studies coursework has been completed in a synchronous format.

FIRST SEMESTER	6
LGL 110 Introduction to Legal Studies	3
LGL 112 Legal Research and Writing I	3
SECOND SEMESTER	13
LGL 114 Litigation	3
LGL 115 Law Office Technology and E-Discovery	4
Legal Studies Elective	3
Legal Studies Elective	3
THIRD SEMESTER	12
Legal Studies Elective	3
LGL 211 Drafting Legal Documents	3
LGL 251++ Legal Studies Capstone++	3
LGL 270* Legal Studies Assessment Seminar	3
Total hours for Certificate	31

LEGAL STUDIES CERTIFICATE ELECTIVES

From the list below, select 9 credit hours:

CRJ 121 Introduction to Criminal Justice	3
LGL 116 Contract Law	3
LGL 118 Real Property Law	3
LGL 210 Tort Law	3
LGL 214 Administrative Agency Law	3
LGL 215 Immigration Law	3
LGL 218 Bankruptcy Law	3
LGL 221 Business Law I	3
LGL 222 Business Law II/Corporate and Securities Law	3
LGL 227 Law & Society: Marquee Moments of the United States Supreme Court	3
LGL 230 Family Law	3
LGL 232 Probate	3
LGL 233 Criminal Litigation	3
LGL 241 International Human Rights Law and Justice	3
LGL 250 Internship in Legal Studies	3
LGL 299 Topics in Legal Studies	1-6

++ LGL 251 must be reserved for the final semester prior to graduation.

* LGL 270 must be reserved for the final semester prior to graduation and must not be taken prior to the final semester.

Note: To earn this certificate, students must have completed one of the following degrees: Bachelor of Arts degree, Bachelor of Science degree, Associate in Arts degree, Associate in Science degree or Associate in Applied Science degree* in addition to the specialty courses required for the certificate. Students cannot earn both the A.A.S. degree and the certificate in Legal Studies simultaneously.

NOTE: Paralegals may not provide legal services directly to the public, except as permitted by law.

* Students must have a college degree in order to be eligible to pursue a Legal Studies certificate.

All students wishing to pursue the Certificate program must submit a transcript of their degree and screening form to the Welcome and One-Stop Center. To obtain the form, please visit www.clcillinois.edu/limitedenrollment.

For students with A.A.S. degrees and students with any degree from an institution outside the U.S.:

The CLC Legal Studies program is approved by the American Bar Association (ABA). The ABA requires that all students who wish to complete a Legal Studies Certificate program have completed a minimum of 18 semester credit hours in general education courses in a minimum of three disciplines.

The requirements for all Associate in Arts, Associate in Science, Bachelor of Arts, or Bachelor of Science degrees at accredited U.S. institutions include this level of general education. These disciplines are Social and Behavioral Sciences, Natural Science, English Composition and Literature, Foreign Language, Mathematics, Humanities and Fine Arts. Since master's degree programs do not usually include general education courses, master's level courses cannot be used to meet this requirement.

The general education courses completed by students who have earned Associate in Applied Science degrees and other degrees from non-U.S. institutions may not meet CLC's general education requirements. These students will be required to complete additional general education courses prior to receiving a certificate in Legal Studies if they have not had a sufficient number and variety of general education courses.

Therefore, CLC must review students' transcripts to determine whether they have met this general education requirement. To obtain the form, please visit dept.clcillinois.edu/adr/LGL_Screening_Form.pdf.

For more information on recommended courses or program specific advising, contact the following faculty members or the Business and Social Sciences Division at (847) 543-2047:

Gayle Miller | Lorri Scott

MANUFACTURING, ENGINEERING AND ADVANCED TECHNOLOGIES



AUTOMATION, ROBOTICS AND MECHATRONICS

- Automation, Robotics and Mechatronics A.A.S.
 - Automation and Robotics Introductory Certificate
 - Mechatronics Technology Certificate

AUTOMOTIVE COLLISION REPAIR

- Automotive Collision Repair A.A.S.
 - Automotive Collision Repair Certificate
 - Automotive Collision Repair Assistant Certificate
 - Automotive Damage Analysis Certificate
 - Automotive Refinishing Technician Certificate
 - Automotive Structural Repair Technician Certificate

AUTOMOTIVE TECHNOLOGY

- Automotive Technology A.A.S.
 - Automotive Air Conditioning and Heating Specialist Certificate
 - Automotive Brakes and Suspension Specialist Certificate
 - Automotive Electrical Specialist Certificate
 - Automotive Fuel Systems Specialist Certificate
 - Automotive Oil Change Specialist Certificate
 - Automotive Service Specialist Certificate
 - Automotive Technician Certificate
 - Automotive Transmission Specialist Certificate

CAD-DRAFTING TECHNOLOGY

- CAD Drafting Technology: Graphics, Animation and Presentation Option A.A.S.
 - CAD Drafting Technology – Graphics, Animation, and Presentation Certificate
 - CAD Drafting Technology-Architectural/CIVIL Certificate
 - CAD Drafting Technology-3D Parametric Certificate
 - CAD Drafting Technology-AUTOCAD Certificate
 - CAD Drafting Technology-Solidworks Certificate
 - CAD Drafting Technology-CREO Certificate
 - CAD Drafting Technology-AUTODESK Inventor Certificate
- CAD Drafting Technology: Mechanical Option A.A.S.

COMPUTER SCIENCE

- Computer Science A.S.

CNC PROGRAMMING

- CNC Programming A.A.S.
 - CNC Programming/Operations Certificate
 - NIMS Level 1 CNC Operator Certificate
 - NIMS Level 1 CNC Operator/Setup Technician Certificate

ELECTRICAL ENGINEERING TECHNOLOGY

- Electrical Engineering Technology A.A.S.
 - Electrical/Electronic Maintenance Certificate
 - Electronics Technology Certificate
 - Fiber Optics Technician Certificate
 - Wireless Networking Security Certificate

ELECTRICIAN APPRENTICESHIP

- Electrician Apprenticeship A.A.S.

ENGINEERING AND COMPUTER SCIENCE

- Engineering and Computer Science A.E.S.

HVAC ENGINEERING TECHNOLOGY

- HVAC Engineering Technology A.A.S.
 - Commercial Refrigeration Technician Certificate
 - Electrical Troubleshooting Technician Certificate
 - HVAC/R Installation Technician Certificate
 - HVAC/R Service Technician Certificate
 - Residential Air Conditioning Technician Certificate
 - Residential Energy Auditing Certificate
 - Residential Heating Technician Certificate

LASER/PHOTONICS/OPTICS

- Optics and Photonics Technology A.A.S.
 - Applied Lasers Certificate
 - Biophotonics Certificate
 - Laser/Photonics/Optics Certificate

MACHINE TOOL TRADES

- Machine Tool Trades A.A.S.
 - Basic Machining – Phase I Certificate
 - Machine Tool Trades – Phase II Certificate
 - Tool and Mold Maker – Phase III (Advanced) Certificate

MECHANICAL ENGINEERING TECHNOLOGY

- Mechanical Engineering Technology A.A.S.
 - MET I: Toolbox Certificate
 - MET II: Nuts and Bolts Certificate
 - MET III: Mechatronics Certificate
 - MET IV: Design and Innovation Certificate

WELDING

- Welding Technology A.A.S.
 - GAS Metal ARC Welding Certificate
 - GAS Tungsten Arc Welding Certificate
 - Shielded Metal ARC Welding Certificate
 - Welding Certificate

AUTOMATION, ROBOTICS AND MECHATRONICS

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcollinois.edu/programs/arm

The automation, robotics, and mechatronics field combines mechanics, electronics and computer technologies to create “smart” products that improve lives in countless ways. Mechatronics technicians help design, install, maintain and repair industrial equipment and a wide variety of appliances used in businesses and at home. These range from personal and industrial robots to artificial limbs, automatic teller machines (ATMs) and hybrid cars—just to name a few. A holder of an associate degree in Mechatronics can manage, investigate, repair and troubleshoot mechatronic and process control systems along with optimizing systems for efficiency and cost effectiveness. A mechatronics technician can work in workshops, design labs, production facilities, and in field service locations. Graduates of this program are hired in various settings as Mechatronics Technicians, Robotics Technicians, Electro-mechanical Technicians, Automation Technicians, Maintenance and Repair Technicians and Mechanical Engineering Technicians. Job skills include, but are not limited to: assembling and installing mechatronic tools and hardware systems; installing, implementing and modifying software tools used in mechatronics systems; using troubleshooting skills to identify, foresee, and prevent possible problems with a system; programming mechatronic modules and systems, especially Programmable Logic Controllers (PLCs); implementing PLC networks, including configuration and data transfer using bus systems; applying knowledge of process control technology to automated systems; and managing and influencing cost control and process efficiency procedures for automated systems.

AUTOMATION, ROBOTICS AND MECHATRONICS

**Degree: Associate in Applied Science,
Automation, Robotics and Mechatronics
Plan 24ZD**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	17
CLC 120 ^ College Success Seminar	[2]
MET 299 Special Topics: Math	1
MET 299 Special Topics: Communications	1
ARM 111 Fundamentals of High Tech Manufacturing I and	
ARM 112 Fundamentals of High Tech Manufacturing II and	
ARM 113 Fundamentals of High Tech Manufacturing III	3
ARM 116 Mechatronics Graphics I and	
ARM 117 Mechatronics Graphics II and	
ARM 118 Mechatronics Graphics III	3
ARM 151 Mechanical Systems I and	
ARM 152 Mechanical Systems II and	
ARM 153 Mechanical Systems III	3
ARM 156 Electrical Systems I and	
ARM 157 Electrical Systems II and	
ARM 158 Electrical Systems III	3
ARM 171 Automation I and	
ARM 172 Automation II and	
ARM 173 Automation III	3
SECOND SEMESTER	16
ARM 131 Robot Design and Construction I and	
ARM 132 Robot Design and Construction II and	
ARM 133 Robot Design and Construction III	3
ARM 155 STEM Workplace Professional Skills	1
ARM 174 Automation IV and	
ARM 175 Automation V and	
ARM 176 Automation VI	3
ARM 191 Pneumatics and Hydraulics I and	
ARM 192 Pneumatics and Hydraulics II and	
ARM 193 Pneumatics and Hydraulics III	3
ARM 196 Electrical Systems Capstone	1
ARM 197 Pneumatic and Hydraulic Systems Capstone	1
ARM 198 Complete Systems Integration	1
MTH 117 Technical Mathematics or	
MTH 123 Trigonometry or	
MTH 144 Precalculus or	
MTH 145 Calculus and Analytic Geometry I	3-5



Continued on next page.

MANUFACTURING, ENGINEERING, AND ADVANCED TECHNOLOGIES PROGRAMS

THIRD SEMESTER

CMM 121	Fundamentals of Speech	3
ENG 121	English Composition I	3
	Social Sciences IAI Approved	
	General Education Elective	3
	Humanities and Fine Arts	
	IAI Approved General	
	Education Elective	3

FOURTH SEMESTER

ARM 242	Reverse Engineering of Mechanical Systems	3
ARM 266	Advanced Motor Control	3
ARM 226	Programmable Automation Technologies	3
ARM 286	Automation Pyramid	3

FIFTH SEMESTER

ARM 222	Manufacturing Process Design	3
ARM 288	Process Control Technologies	3

Total Hours for A.A.S. Degree 63

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

MECHATRONICS TECHNOLOGY (Certificate) Plan 24ZB

Note: Plan 24ZB is a FULL TIME Program if you drop under FULL TIME status you are subject to be dropped from the program.

FIRST SEMESTER 17

CLC 120 ^	College Success Seminar	[2]
MET 299	Special Topics: Mechanical Engineering Technology (Variable) Communication	1
MET 299	Special Topics: Zero Week Math	1
ARM 111	Fundamentals of High Tech Manufacturing I and	
ARM 112	Fundamentals of High Tech Manufacturing II and	
ARM 113	Fundamentals of High Tech Manufacturing III	3
ARM 151	Mechanical Systems I and	
ARM 152	Mechanical Systems II and	
ARM 153	Mechanical Systems III	3
ARM 156	Electrical Systems I and	
ARM 157	Electrical Systems II and	
ARM 158	Electrical Systems III	3
ARM 171	Automation I and	
ARM 172	Automation II and	
ARM 173	Automation III	3
MTT 112	Machining Principles or	
ARM 116	Mechatronics Graphics I and	
ARM 117	Mechatronics Graphics II and	
ARM 118	Mechatronics Graphics III	3

SECOND SEMESTER 13

ARM 131	Robot Design and Construction I and	
ARM 132	Robot Design and Construction II and	
ARM 133	Robot Design and Construction III	3
ARM 155	STEM Workplace Professional Skills	1
ARM 174	Automation IV and	
ARM 175	Automation V and	
ARM 176	Automation VI	3
ARM 191	Pneumatics and Hydraulics I and	
ARM 192	Pneumatics and Hydraulics II and	
ARM 193	Pneumatics and Hydraulics III	3
ARM 196	Capstone I	
ARM 197	Pneumatic and Hydraulic Systems Capstone	
ARM 198	Complete Systems Integration	3

Total Hours for Certificate 30

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, contact faculty member Margie Porter at (847) 543-2904 or the Engineering, Math and Physical Sciences division at (847) 543-2044.

AUTOMOTIVE COLLISION REPAIR

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcollinois.edu/programs/acr

The Automotive Collision Repair program offers an Associate in Applied Science degree and five certificates. These programs will provide students with the entry-level skills needed to enter the collision repair industry. The certificates allow students to specialize in one or more areas of collision repair and prepare students for employment in the automotive body repair and painting industry. The courses use the I-Car curriculum and students have the opportunity to earn I-Car course credit. The program is certified in all four areas by NATEF (National Automotive Technicians Education Foundation, Inc.). This is the highest level of certification that NATEF awards. NATEF was founded in 1983 as an independent, non-profit organization with a single mission: to evaluate technician training programs against standards developed by the automotive industry and recommend qualifying programs for certification (accreditation) by the National Institute for Automotive Service Excellence (ASE).

ACR Courses require basic hand tools and personal safety equipment.

AUTOMOTIVE COLLISION REPAIR: NON-STRUCTURAL REPAIR SPECIALTY TRACK

**Degree: Associate in Applied Science,
Automotive Collision Repair
Plan 24AN**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER		14
CLC 120 ^	College Success Seminar	[2]
ACR 110	Introduction to Automotive Collision Repair	3
ACR 112	Non-Structural Repair I	5
ACR 131	Automotive Refinishing I	3
MTH 114	Applied Math <i>or</i> MTH Elective (higher than MTH 114)	3
SECOND SEMESTER		14
ACR 115	Automotive Welding	5
ACR 119	Pointless Dent Removal	3
ACR 215	Automotive Detailing	3
ENG 120	Technical Composition <i>or</i>	
ENG 121	English Composition I	3
THIRD SEMESTER		16
ACR 138	Automotive Electrical Systems	5
ACR 212	Non-Structural Repair II	5
ACR 235	Damage Analysis/ Shop Procedures	3
	Humanities and Fine Arts Elective (I/M)	3
FOURTH SEMESTER		16
ACR 137	Mechanical Systems	5
ACR 230	Structural Repair	5
CMM 111	Communication Skills <i>or</i>	
CMM 121	Fundamentals of Speech Social Sciences Elective	3
		3
Total Hours for A.A.S. Degree		60

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Continued on next page.



**AUTOMOTIVE COLLISION
REPAIR: REFINISHING
TECHNICIAN SPECIALTY TRACK**

**Degree: Associate in Applied Science,
Automotive Collision Repair: Refinishing
Technician Specialty Track
Plan 24AN**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	14
CLC 120 ^ College Success Seminar	[2]
ACR 110 Introduction to Automotive Collision Repair	3
ACR 112 Non-Structural Repair I	5
ACR 131 Automotive Refinishing I	3
MTH 114 Applied Math <i>or</i> MTH Elective (higher than MTH 114)	3
SECOND SEMESTER	16
ACR 132 Refinishing II	5
ACR 138 Automotive Electrical Systems	5
ACR 215 Automotive Detailing	3
ENG 120 Technical Composition <i>or</i>	
ENG 121 English Composition I	3
THIRD SEMESTER	18
ACR 115 Automotive Welding	5
ACR 137 Mechanical Systems	5
ACR 233 Refinishing III	5
ART 121 Introduction to Art <i>or</i> Other Humanities and Fine Arts Elective	3
FOURTH SEMESTER	12
ACR 234 Refinishing IV	3
ACR 235 Damage Analysis	3
CMM 111 Communication Skills <i>or</i>	
CMM 121 Fundamentals of Speech	3
SOC 121 Introduction to Sociology <i>or</i> Social Sciences Elective	3
Total Hours for A.A.S. Degree	60

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**AUTOMOTIVE COLLISION REPAIR
(Certificate) Plan 24AE**

The automotive collision repair certificate prepares students for employment as an entry level automotive collision technician. Coursework places a strong emphasis on the understanding of panel replacement, dent repair, plastic repair, and automotive welding. Students learn foundational repair theories and develop skills in panel replacement and alignment, dent repair, plastic repair, vehicle glass, and automotive welding. Upon completion of coursework students have the opportunity to earn I-CAR program certification.

FIRST SEMESTER	3
CLC 120 ^ College Success Seminar	[2]
ACR 110 Introduction to Automotive Collision Repair	3
SECOND SEMESTER	10
ACR 112 Non-Structural Repair I	5
ACR 115 Automotive Welding	5
THIRD SEMESTER	10
ACR 138 Automotive Electrical Systems	5
ACR 212 Non-Structural Repair II	5
Total Hours for Certificate	23

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**AUTOMOTIVE DAMAGE ANALYSIS
(Certificate) Plan 24AK**

The damage analysis certificate prepares students for employment as automotive damage estimator assistants. Coursework places a strong emphasis on the understanding of automotive collision repair damage analysis, damage estimates preparation, shop management and operations. Students learn to use various estimating software and to develop both written and computer generated damage analysis reports. Upon completion of coursework students have the opportunity to earn I-CAR program certification.

FIRST SEMESTER	6
ACR 110 Introduction to Automotive Collision Repair	3
ACR 131 Automotive Refinishing I	3
SECOND SEMESTER	8
ACR 112 Non-Structural Repair I	5
ACR 235 Damage Analysis/Shop Procedures	3
Total Hours for Certificate	14

**AUTOMOTIVE STRUCTURAL
REPAIR TECHNICIAN
(Certificate) Plan 24AL**

The automotive structural repair certificate prepares students for employment as automotive structural technician assistants. Coursework places a strong emphasis on the understanding of automotive structural repair theories, reinforced while developing hands-on skills, needed to enter the collision repair industry. Students learn to disassemble and assemble vehicles exterior components, remove and install both stationary and movable glass, sheet metal dent repair including sectioning of vehicle panels, automotive welding, various vehicle measuring systems, and a working knowledge of vehicle mechanical systems. Upon completion of coursework students have the opportunity to earn I-CAR program certification.

FIRST SEMESTER	3
CLC 120 ^ College Success Seminar	[2]
ACR 110 Introduction to Automotive Collision Repair	3
SECOND SEMESTER	10
ACR 112 Non-Structural Repair I	5
ACR 115 Automotive Welding	5
THIRD SEMESTER	10
ACR 137 Automotive Mechanical Systems	5
ACR 230 Structural Repair I	5
Total Hours for Certificate	23

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**AUTOMOTIVE REFINISHING TECHNICIAN
(Certificate) Plan 24AM**

The automotive refinishing technician certificate prepares students for entry level employment as an automotive refinishing technician. Coursework places a strong emphasis on the understanding of automotive finishes, application techniques, and final surface preparation. Students will acquire the knowledge and skills necessary to prepare vehicles for the finishing process, the application of undercoat, topcoat, and tri-coat finishes, and repairs to vehicle finishes. Upon completion of coursework students have the opportunity to earn I-CAR program certification.

FIRST SEMESTER	6
CLC 120 ^ College Success Seminar	[2]
ACR 110 Introduction to Automotive Collision Repair	3
ACR 131 Automotive Refinishing I	3
SECOND SEMESTER	8
ACR 132 Automotive Refinishing II	5
ACR 215 Automotive Detailing	3
THIRD SEMESTER	5
ACR 233 Automotive Refinishing III	5
FOURTH SEMESTER	3
ACR 234 Refinishing IV- Custom Painting	3
Total Hours for Certificate	22

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**AUTOMOTIVE COLLISION REPAIR
ASSISTANT
(Certificate) Plan 24AO**

This certificate prepares students for employment as an automotive collision repair assistant. Coursework places a strong emphasis on the understanding on shop safety, removal and installation of bolted vehicle panels, automotive detailing, and damage estimating. Students will learn foundational collision repair theories while developing skills in the areas of dent repair, plastic repair, movable glass, panel removal and installation, preparation of vehicle for refinishing, and reading of damage estimates. Upon completion of coursework students have the opportunity to earn I-CAR program certification.

FIRST SEMESTER	3
CLC 120 ^ College Success Seminar	[2]
ACR 110 Introduction to Automotive Collision Repair	3
SECOND SEMESTER	8
ACR 112 Non-Structural Repair I	5
ACR 131 Automotive Refinishing I	3
THIRD SEMESTER	6
ACR 119 Pointless Dent Removal	3
ACR 215 Automotive Detailing	3
Total Hours for Certificate	17

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, contact faculty member Octavio Cavazos at (847) 543-2905 or the Engineering, Math and Physical Sciences division at (847) 543-2044.



AUTOMOTIVE TECHNOLOGY
Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/aut

The Automotive Technology program offers courses leading to an Associate in Applied Science, Automotive Technician. This program will provide students with a solid foundation and a variety of skills to enter the automotive industry, or to pursue further undergraduate study. The program is Master Certified by the National Automotive Technician Education Foundation, Inc. (NATEF). This is the highest level of certification that NATEF awards. NATEF was founded in 1983 as an independent, non-profit organization with a single mission: to evaluate technician training programs against standards developed by the automotive industry and recommend qualifying programs for certification (accreditation) by the National Institute for Automotive Service Excellence (ASE).

Upon successful completion of the program, students will be prepared to take the ASE technician certification exams. Students who pass the ASE certifications exams and have completed the work experience required by ASE will be awarded certification by ASE.

AUTOMOTIVE SERVICE

**Degree: Associate in Applied Science,
Automotive Service
Plan 24AH**

Completion of this program prepares students for employment in the areas of automotive repair. Fifteen hours of required General Education coursework is built into the program.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	14
CLC 120 ^ College Success Seminar	[2]
AUT 110 Introduction to Automotive Technology	3
AUT 111 Engine Repair	4
AUT 131 Auto Electrical I	4
MTH 114 Applied Mathematics I <i>or</i> MTH Elective (higher than MTH 114)	3
SECOND SEMESTER	15
AUT 113 Suspension and Alignment	4
AUT 132 Manual Drive Train and Axles	4
AUT 231 Auto Electrical II	4
ENG 120 Technical Composition <i>or</i>	
ENG 121 English Composition I	3

THIRD SEMESTER	15
AUT 112 Braking Systems	4
AUT 232 Automatic Transmissions and Trans Axles	4
AUT 251 Powertrain Controls Humanities and Fine Arts Elective (I/M)	3

FOURTH SEMESTER	11
AUT 252 Powertrain Management	4
AUT 275 Air Conditioning and Heating	4
CMM 111 Communication Skills <i>or</i>	
CMM 121 Fundamentals of Speech	3

FIFTH SEMESTER	10
AUT 233 Advanced Driveline Systems	3
AUT 290 Automotive Service (4 credits) <i>or</i>	
EWE 120 Job Readiness Skills (1 credit) <i>and</i>	
EWE 220 Internships (1-3 credits) Social Sciences Elective	3

Total Hours for A.A.S. Degree 65

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

**AUTOMOTIVE SERVICE
(Certificate) Plan 24AV**

Completion of this program prepares students for employment in the areas of automotive repair.

FIRST SEMESTER	14
CLC 120 ^ College Success Seminar	[2]
AUT 110 Introduction to Automotive Technology	3
AUT 111 Engine Repair	4
AUT 131 Auto Electrical I	4
MTH 114 Applied Math <i>or</i> MTH Elective (higher than MTH 114)	3

SECOND SEMESTER	16
AUT 112 Braking Systems	4
AUT 113 Suspension and Alignment	4
AUT 231 Auto Electrical II	4
AUT 251 Powertrain Controls	4

THIRD SEMESTER	12
AUT 132 Manual Drive Train and Axles	4
AUT 232 Automatic Transmissions and Trans Axles	4
AUT 252 Powertrain Management	4

FOURTH SEMESTER		11
AUT 233	Advanced Driveline Systems	3
AUT 275	Air Conditioning and Heating	4
AUT 290	Automotive Service (4 credits) <i>or</i>	
EWE 120	Job Readiness Skills (1 credit) <i>and</i>	
EWE 220	Internships (1-3 credits)	4

Total Hours for Certificate **53**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

AUTOMOTIVE AIR CONDITIONING AND HEATING SPECIALIST (Certificate) Plan 24UG

This Certificate prepares students for initial employment diagnosing and repairing automotive heating and air conditioning systems.

FIRST SEMESTER		7
AUT 110	Introduction to Automotive Technology	3
AUT 131	Auto Electrical I	4
SECOND SEMESTER		4
AUT 275	Air Conditioning and Heating	4
Total Hours for Certificate		11

AUTOMOTIVE ELECTRICAL SPECIALIST (Certificate) Plan 24UH

This Certificate prepares students for employment diagnosing and repairing chassis and body electrical and electronic circuits.

FIRST SEMESTER		7
AUT 110	Introduction to Automotive Technology	3
AUT 131	Auto Electrical I	4
SECOND SEMESTER		4
AUT 231	Auto Electrical II	4
Total Hours for Certificate		11

AUTOMOTIVE SERVICE SPECIALIST (Certificate) Plan 24UJ

This Certificate prepares students for initial employment in the automotive service industry.

FIRST SEMESTER		7
AUT 110	Introduction to Automotive Technology	3
AUT 111	Engine Repair	4
SECOND SEMESTER		4
AUT 131	Auto Electrical I	4
Total Hours for Certificate		11

AUTOMOTIVE FUEL SYSTEMS SPECIALIST (Certificate) Plan 24UI

This Certificate prepares students for initial employment diagnosing and repairing automotive engine fuel system problems.

FIRST SEMESTER		7
AUT 110	Introduction to Automotive Technology	3
AUT 251	Powertrain Controls	4
SECOND SEMESTER		4
AUT 252	Powertrain Management	4
Total Hours for Certificate		11

AUTOMOTIVE BRAKES AND SUSPENSION SPECIALIST (Certificate) Plan 24UK

This Certificate prepares students for initial employment diagnosing and repairing automotive braking, suspension and alignment problems.

FIRST SEMESTER		11
AUT 110	Introduction to Automotive Technology	3
AUT 112	Braking Systems	4
AUT 113	Suspension and Alignment	4
Total Hours for Certificate		11

AUTOMOTIVE OIL CHANGE SPECIALIST (Certificate) Plan 24UL

This Certificate prepares students for employment in the oil change business.

AUT 110	Introduction to Automotive Technology	3
AUT 111	Engine Repair	4
AUT 112	Braking Systems	4
Total Hours for Certificate		11

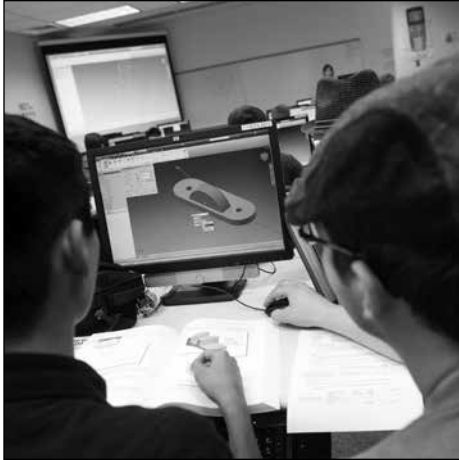
AUTOMOTIVE TRANSMISSION SPECIALIST (Certificate) Plan 24UM

This Certificate prepares students for initial employment diagnosing and repairing manual transmission, automatic transmission and driveline problems.

FIRST SEMESTER		7
AUT 110	Introduction to Automotive Technology	3
AUT 132	Manual Drive Train and Axles	4
SECOND SEMESTER		4
AUT 232	Automatic Transmissions and Trans Axles	4
Total Hours for Certificate		11

For more information on recommended courses or program specific advising, contact the following faculty members or the Engineering, Math and Physical Sciences division at (847) 543-2044:

Derrek Keesling | Ted Wells



CAD DRAFTING TECHNOLOGY

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/cad

This program prepares students for employment and advancement in Computer Aided Design (CAD). CAD Drafters work under the supervision of an engineer or designer creating drawings. With additional education and experience the graduate may advance to designer, checker, or supervisor. Drawings are produced using a variety of CAD/CAM software. Students may select a program from the following options: Mechanical, and Graphics Animation and Presentation

SUMMER **3**

MET 214 **# Mechanical Design and Drafting 3

THIRD SEMESTER **12**

ECO 110 Economics for Business and Industry 3

CAD 270 ***# Solidworks II 3

CAD 271 ***# Inventor II 3

CNC 218 Introduction to MasterCam 3

FOURTH SEMESTER **9**

CAD 276 *** Creo II 3

MET 111 Manufacturing Processes 3

CAD 217 *** AutoCAD II 3

Total Hours for A.A.S. Degree **61**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* Summer only

** Fall only

*** Spring only

Prerequisite required

CAD DRAFTING TECHNOLOGY: MECHANICAL OPTION

**Degree: Associate in Applied Science,
CAD Drafting Technology: Mechanical Option
Plan 24DC**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

SUMMER **4**

CLC 120 ^ College Success Seminar [2]

CAD 111 * CAD Drafting Applications 4

FIRST SEMESTER **15**

ART 124 Drawing I 3

CAD 110 CAD/CAM Concepts 3

CAD 117 Introduction to AutoCAD 3

CAD 170 Introduction to Solidworks 3

CMM 111 Communication Skills 3

SECOND SEMESTER **18**

ENG 120 Technical Composition I 3

MTH 115 Applied Mathematics II 3

CAD 171 Introduction to Inventor 3

MTT 112 Machining Principals 3

CAD 176 Introduction to Creo 3

CAD 211 ***# Geometric Dimension and Tolerancing 3

**CAD DRAFTING TECHNOLOGY:
GRAPHICS, ANIMATION, AND
PRESENTATION OPTION**

**Degree: Associate in Applied Science,
CAD Drafting Technology: Graphics,
Animation and Presentation Option
Plan 24DJ**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

SUMMER SESSION	4
CLC 120 ^ College Success Seminar	[2]
CAD 111 * CAD Drafting Application	4
FIRST SEMESTER	18
ART 124 Drawing I	3
CAD 110 CAD/CAM Concepts	3
CAD 117 Introduction to AutoCAD	3
CAD 170 Introduction to SolidWorks	3
CAD 176 Introduction to Creo	3
CMM 111 Communication Skills	3
SECOND SEMESTER	15
CAD 171 Introduction to Inventor	3
CAD 178 Introduction to Revit	3
ENG 120 Technical Composition	3
MTH 115 Applied Mathematics II Technical Elective	3
THIRD SEMESTER	12
ART 222 Computer Art I	3
ART 263 # 2D Computer Animation	3
CAD 179 Introduction to Autodesk 3Ds Max	3
CAD 278 *** Revit II	3
FOURTH SEMESTER	12
DMD 121 Introduction to Graphic Design	3
CAD 217 ***# AutoCAD II	3
DMD 111 Introduction to Digital Media Social Science Elective	3
Total Hours for A.A.S. Degree	61

TECHNICAL ELECTIVES:

A broad choice of technical electives is available. See an advisor in the CAD department for approval of electives.

ART 263	2D Computer Animation	3
ART 264	3D Computer Animation	3
CAD 110	CAD-CAM Concepts	3
CAD 111 *	CAD Drafting Application	4
CAD 117	Introduction to AutoCAD	3
CAD 170	Introduction to SolidWorks	3
CAD 171	Introduction to Inventor	3
CAD 176	Introduction to Creo	3
CAD 177 ***	Civil Drafting #	3
CAD 178	Introduction to Revit	3
CAD 179	Introduction to Autodesk 3ds Max	3
CAD 211 ***	Geometric Dimension and Tolerancing	3
CAD 217 ***	AutoCAD II	3
CAD 270 **	SolidWorks II	3
CAD 271 **	Inventor II	3
CAD 276 ***	Creo II	3
CAD 278 ***	Revit II	3
CAD 279 ***	Design Visualization Using 3ds Max	3
CNC 218	Introduction to MasterCam	3
DMD 157	Introduction to Animation	3
EGR 140	How to Make Anything	3
ELT 111	Electronic Drafting	2
EWE 120	Job Readiness Skills	1
EWE 220	Cooperative Work Experience I	2
LPO 111	Fundamentals of Light and Lasers	4
LPO 145	Photonic CAD Applications	3
MET 111	Manufacturing Processes	3
MET 112	Basic Metallurgy I	3
MET 214	Mechanical Design and Drafting	3
MTH 115	Applied Mathematics II	3
MTT 111	Machine Shop I	3
MTT 112	Machining Principles	3
^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.		

* Summer only
** Fall only
*** Spring only
Prerequisite required

**CAD DRAFTING TECHNOLOGY - GRAPHICS,
ANIMATION, AND PRESENTATION
(Certificate) Plan 24DK**

This advanced certificate is designed for the individual who possesses education or experience in computer aided design (CAD) or graphic arts. The certificate fills the gap between CAD and computer-generated art and provides the graduate with the skills to create sophisticated computer enhanced presentations for use in a variety of applications.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
CAD 110 CAD/CAM Concepts	3
CAD 117 Introduction to AutoCAD	3
DMD 111 Introduction to Digital Media Technical Elective	3
SECOND SEMESTER	9
ART 222 Computer Art I	3
ART 263 # 2D Computer Animation Technical Elective	3
Total Hours for Certificate	21

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Prerequisite required
*** Spring only

Continued on next page.

MANUFACTURING, ENGINEERING, AND
ADVANCED TECHNOLOGIES PROGRAMS

TECHNICAL ELECTIVES:

A broad choice of technical electives is available. See an advisor in the CAD department for approval of electives.

ART 263 #	2D Computer Animation	3
ART 264 #	3D Computer Animation	3
DMD 121	Introduction to Graphic Design	3
CAD 110	CAD-CAM Concepts	3
CAD 111 *	CAD Drafting Applications	4
CAD 117	Introduction to AutoCAD	3
CAD 170	Introduction to SolidWorks	3
CAD 171	Introduction to Inventor	3
CAD 176	Introduction to Creo	3
CAD 177 ***	Civil Drafting #	3
CAD 178	Introduction to Revit	3
CAD 179	Introduction to Autodesk 3ds Max	3
CAD 211 ***#	Geometric Dimension and Tolerancing	3
CAD 217 ***#	AutoCAD II	3
CAD 270 **#	SolidWorks II	3
CAD 271 **#	Inventor II	3
CAD 273	Advanced CAD Specialization	1-3
CAD 276 ***#	Creo II	3
CAD 278 **#	Revit II	3
CAD 279 ***	Design Visualization Using 3ds Max	3
CNC 218	Introduction to MasterCam	3
DMD 157	Introduction to Animation	3
EGR 140	How to Make Anything	3
ELT 111	Electronic Drafting	2
EWE 120	Job Readiness Skills	1
EWE 220	Cooperative Work Experience I	2
LPO 111	Fundamentals of Light and Lasers	4
LPO 145	Photonic CAD Applications	3
MET 111	Manufacturing Processes	3
MET 112	Basic Metallurgy I	3
MET 214 #	Mechanical Design and Drafting	3
MTH 115	Applied Mathematics II	3
MTT 111	Machine Shop I	3
MTT 112	Machining Principles	3

* Summer only
** Fall only
*** Spring only
Prerequisite required

**CAD DRAFTING TECHNOLOGY -
ARCHITECTURAL/CIVIL
(Certificate) Plan 24DN**

FIRST SEMESTER		6
CLC 120 ^	College Success Seminar	[2]
CAD 110	CAD/CAM Concepts	3
CAD 117	Introduction to AutoCAD	3
SECOND SEMESTER		9
CAD 178	Introduction to Revit	3
CAD 177 ***	Civil Drafting	3
CAD 217 ***#	AutoCAD II	3
THIRD SEMESTER		3
CAD 278 **#	Revit II	3
Total Hours for Certificate		18

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

** Fall only
*** Spring only
Prerequisite required

**CAD DRAFTING TECHNOLOGY -
3D PARAMETRIC
(Certificate) Plan 24DP**

SUMMER SESSION		4
CLC 120 ^	College Success Seminar	[2]
CAD 111 *	CAD Drafting Applications	4
FIRST SEMESTER		9
CAD 170	Introduction to Solidworks	3
CAD 171	Introduction to Inventor	3
CAD 176	Introduction to Creo	3
SECOND SEMESTER		6
CAD 276 ***#	Creo II	3
CAD 211 ***	Geometric Dimensioning and Tolerancing	3
THIRD SEMESTER		6
CAD 270 **#	SolidWorks II	3
CAD 271 **#	Inventor II	3
Total Hours for Certificate		25

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* Summer only
** Fall only
*** Spring only
Prerequisite required

**CAD DRAFTING TECHNOLOGY - AUTOCAD
(Certificate) Plan 24DQ**

SUMMER SESSION	4
CAD 111 * CAD Drafting Applications	4
FIRST SEMESTER	6
CAD 110 CAD/CAM Concepts	3
CAD 117 Introduction to AutoCAD	3
SECOND SEMESTER	3
CAD 217 ***# AutoCAD II	3
Total Hours for Certificate	13

* Summer only
*** Spring only
Prerequisite required

**CAD DRAFTING TECHNOLOGY - CREO
(Certificate) Plan 24DT**

SUMMER SESSION	4
CAD 111 * CAD Drafting Applications	4
FIRST SEMESTER	3
CAD 176 Introduction to CREO	3
SECOND SEMESTER	6
CAD 276***# CREO II	3
CAD 211 ***# Geometric Dimension and Tolerancing	3
Total Hours for Certificate	13

* Summer only
*** Spring only
Prerequisite required

**CAD DRAFTING TECHNOLOGY -
SOLIDWORKS
(Certificate) Plan 24DS**

SUMMER SESSION	7
CAD 111 * CAD Drafting Applications	4
CAD 170 Introduction to Solidworks	3
FIRST SEMESTER	3
CAD 270 **# Solidworks II	3
SECOND SEMESTER	3
CAD 211 ***# Geometric Dimension and Tolerancing	3
Total Hours for Certificate	13

* Summer only
** Fall only
*** Spring only
Prerequisite required

**CAD DRAFTING TECHNOLOGY -
AUTODESK INVENTOR
(Certificate) Plan 24DU**

SUMMER SESSION	4
CAD 111 * CAD Drafting Applications	4
FIRST SEMESTER	3
CAD 171 Introduction to Inventor	3
SECOND SEMESTER	3
CAD 211 ***# Geometric Dimension and Tolerancing	3
THIRD SEMESTER	3
CAD 271 **# Inventor II	3
Total Hours for Certificate	13

* Summer only
** Fall only
*** Spring only
Prerequisite required

For more information on recommended courses or program specific advising, contact the Engineering, Math and Physical Sciences division at (847) 543-2044.



COMPUTER SCIENCE

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/mcs

Degree: Associate in Science
Plan 11AB-MCS

This program is **recommended** for students pursuing a B.S. or B.A. in Computer Science with a math or liberal arts focus. The following courses are recommended for students who have not decided on a specific four year college or university. Once a transfer school is selected, students **should meet** with an Academic Success Advisor to determine which CLC courses will also meet transfer requirements. Four year schools offering a B.S. or B.A. in Computer Science with a math or liberal arts focus include Loyola, DePaul, Elmhurst, University of Illinois at Urbana-Champaign (UIUC College of Liberal Arts and Sciences) Northern Illinois University (NIU), University of Wisconsin Parkside and Northeastern Illinois University.

Students desiring a B.S. in Computer Science with an engineering focus may want to pursue the program of study recommended under Engineering and Computer Science (Associate in Engineering Science) on page 156.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		12
CLC 120 ^	College Success Seminar	[2]
MCS 141	Computer Science I	4
MTH 144	Precalculus	5
ENG 121	English Composition I	3

SECOND SEMESTER		17
MCS 142	Computer Science II	3
MTH 145	Calculus and Analytic Geometry I	5
ENG 122	English Composition II or	
ENG 126	Advanced Composition: Scientific and Technical Communication	3
HUM 127	Critical Thinking or	
PHI 122	Logic Social & Behavioral Sciences Elective	3
THIRD SEMESTER		15
MCS 240	Computer Organization and Architecture	3
MTH 146	Calculus and Analytic Geometry II	4
PHY 123	Physics for Science and Engineering I	5
CMM 121	Fundamentals of Speech	3
FOURTH SEMESTER		16
BIO 120	Environmental Biology or	
BIO 141	Concepts in Biology or	
BIO 161	General Biology I	4
MTH 244	Discrete Mathematics Fine Arts Elective Physical Life Science Elective Social and Behavioral Sciences Elective	3

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty or the Engineering, Math and Physical Science Division at (847) 543-2044.

Shyam Kurup | Scott Reed | Jon Sprague

COMPUTERIZED NUMERICAL CONTROL PROGRAMMING

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/cnc

**Degree: Associate in Applied Science,
Computerized Numerical Control
Programming
Plan 24NA**

The Computerized Numerical Control program is designed to provide knowledge and skills needed for employment and advancement in the field of CNC Programming. Programming emphasis is on FANUC and HAAS CNC controlled lathes, milling machines and Wire EDM. Advanced placement in the program may be arranged for experienced programmers and operators. The CNC program is accredited by the National Institute for Metalworking Skills (NIMS) and national credentialing is available. Upon completion of certain courses, students will be prepared to take credentialing exams for an additional fee.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
MTT 111 Machine Shop I <i>or</i>	
MTT 112 Machining Principles	3
MTH 115 Applied Mathematics II	3
CAD 117 Introduction to AutoCAD	3
EGR 121 Engineering Graphics	3
SECOND SEMESTER	12
ENG 120 Technical Composition I <i>or</i>	
ENG 121 English Composition I	3
CNC 110 *** CNC Operations I	3
CAD 170 Introduction to SolidWorks <i>or</i>	
CAD 171 Introduction to Inventor <i>or</i>	
CAD 176 Introduction to Creo	3
Humanities or Fine Arts	
Elective	3
SUMMER SESSION	4
CMM 111 Communication Skills	3
CNC 111 * Geometric Dimensions and Tolerancing	1
THIRD SEMESTER	18
CNC 115 *** CNC Programming I	3
MTH 117 Technical Math I	3
ECO 110 Economics for Business and Industry	3
Technical Elective	3
CNC 216 ** Advanced Lathe Programming	3
CNC 217 Introduction to Wire EDM Machining <i>or</i>	
CNC 218 ** Introduction to Master CAM	3

FOURTH SEMESTER	15-16
CNC 215 *** Advanced Mill Programming	3
EWE 220 Cooperative Work Experience I	2-3
EWE 120 Job Readiness Skills	1
CNC 250 Advanced Manufacturing	3
Technical Elective	3
Social Science Elective	3

FIFTH SEMESTER	3
MTT 211 Jig and Fixture Design	3

Total Hours for A.A.S. Degree 64-65

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* Summer only
** Fall only
*** Spring only

TECHNICAL ELECTIVES

Select six hours from the list below. Approval of technical electives must be obtained from the program advisor.

CAD 270 SolidWorks II	3
CAD 276 Creo II	3
CNC 210 CNC Operations II	3
CNC 299 Special Topics: CNC Machining Tech	1-4
LPO 112 Elements of Photonics	3
LPO 111 Fundamentals of Light and Lasers	4
LPO 113 Photonics-Enabled Technologies	3
MET 111 Manufacturing Processes	3
MET 112 Basic Metallurgy I	3
MET 116 Machine Components and Repair	3
MET 118 Machinery's Handbook	3
MET 131 Introduction to Robotics	3
MET 214 Mechanical Design and Drafting	3
MTT 111 Machine Shop I	3
MTT 115 Introduction to Die Making	3
MTT 116 Introduction to Moldmaking	3
MTT 210 Machine Shop II	3
WLD 170 General Welding	3

Continued on next page.



MANUFACTURING, ENGINEERING, AND
ADVANCED TECHNOLOGIES PROGRAMS

DEGREES/CERTIFICATES

**CNC PROGRAMMING/OPERATIONS
(Certificate) Plan 24NG**

This certificate program provides knowledge and skills needed for entry level employment in CNC programming operating. Students will perform operations and programming on FANUC and HAAS CNC controlled machine tools. Advanced placement and NIMS credentialing may be arranged for experienced machinists.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
MTT 112 Machining Principles <i>or</i>	
MTT 210 Machine Shop II	3
MTH 115 Applied Mathematics II	3
EGR 121 Engineering Graphics	3
ENG 120 Technical Composition I <i>or</i>	
ENG 121 English Composition I	3
SECOND SEMESTER	6
CNC 115 CNC Programming I	3
CNC 110 CNC Operations I	3
SUMMER SESSION	3
CNC 210* CNC Operations II	3
THIRD SEMESTER	3
CNC 215 *** Advanced Mill Programming <i>or</i>	
CNC 216 ** Advanced Lathe Programming	3
FOURTH SEMESTER	3
CNC 217*** Introduction to Wire EDM Machining	3
SUMMER SESSION	3
MTT 211* Jig and Fixture Design	3
Total Hours for Certificate	30

* Summer only
** Fall only
*** Spring only
Prerequisite Required

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**NIMS LEVEL 1 CNC OPERATOR/SETUP
TECHNICIAN
(Certificate) Plan 24NH**

This certificate program provides the knowledge, skills, and abilities for entry level employment in the field of Computerized Numerical Control (CNC) machining as a CNC Mill or Lathe Operator and/or Setup technician. Students will learn basic blueprint reading, metal cutting principles and tools, and the operation of modern FANUC and HAAS CNC controlled vertical machining centers and turning centers. Each student will be required to demonstrate competency based on the National Institute for Metalworking Skills (NIMS) nationally validated skill standards. Lecture and lab time will focus on the interpersonal, technical, and employment skills necessary to succeed in the trade. Testing for the following NIMS Level I credentials will be administered during the coursework in which the student will be required to complete a performance test (producing precision parts on the machines) and/or a related theory exam: (1) Measurement, Materials and Safety, (2) Job Planning, Benchwork, and Layout, (3) CNC Milling: Operations, (4) CNC Turning: Operations, (5) CNC Milling: Programming, Setup, and Operations, and (6) CNC Turning: Programming, Setup, and Operations.

FIRST SEMESTER	6
CLC 120 ^ College Success Seminar	[2]
MTT 112 Machining Principles	3
MTT 110 Machine Trades Blue Print Reading	3
SECOND SEMESTER	6
CNC 110 CNC Operations I	3
CNC 115 CNC Programming I	3
SUMMER SESSION	3
CNC 210* CNC Operations II	3
THIRD SEMESTER	2-5
EWE 120 Job Readiness Skills	1
EWE 220 Cooperative Work Experience I	1-4
Total Hours for Certificate	17-20

* Summer only

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**NIMS LEVEL 1 CNC OPERATOR
(Certificate) Plan 24NJ**

This certificate provides the knowledge, skills, and abilities for entry level employment in the field of CNC machining as a CNC Mill or Lathe Operator. Students will learn the operations of a modern FANUC and HAAS CNC controlled vertical machining center and turning center. Each student will be required to demonstrate competency based on the National Institute for Metalworking Skills (NIMS) nationally validated skill standards. Lectures and lab time will focus on the interpersonal, technical, and employment skills necessary to succeed in the trade. Testing for the Level 1 NIMS CNC Mill Operator and Lathe Operator credential will be administered during the coursework in which the student will be required to complete both a performance test (producing precision parts on the machines) and a related theory exam.

FIRST SEMESTER	6
MTT 112 Machining Principles	3
MTT 110 Machine Trades Blueprint Reading	3
SECOND SEMESTER	3
CNC 110 CNC Operations I	3
Total Hours for Certificate	9

For more information on recommended courses or program specific advising, contact faculty member Jeff Hines at (847) 543-2506 or the Engineering, Math and Physical Science division at (847) 543-2044.

ELECTRICAL ENGINEERING TECHNOLOGY

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcollinois.edu/programs/eet

**Degree: Associate in Applied Science,
Electrical Engineering Technology
Plan 24ED**

Students are prepared to work in electrical or electronic research, electronic layout, instrumentation, design, field service, communication and service laboratories, as an electrical or electronics engineering technician, installer and repairer, or maintenance. The degree also prepares students for telecommunications, biomedical, broadcast and sound engineering.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER		15-17
CLC 120 ^	College Success Seminar	[2]
EET 170	DC Circuit Fundamentals	2
EET 115	Electronic Laboratory Techniques	2
EET 174	AC Fundamentals	2
MTH 123	Trigonometry <i>or</i>	
MTH 144	Precalculus	3-5
ENG 120	Technical Composition I	3
SOC 121	Introduction to Sociology	3

SECOND SEMESTER		16
EET 176	Circuit Analysis and Network Theorems	4
EET 223	Introduction to Digital Electronics	4
CMM 121	Fundamentals of Speech	3
PHY 121	General Physics I	5

THIRD SEMESTER		18
EET 113	Solid State Electronics	4
EET 230	Electrical Machinery	3
MTH 145	Calculus and Analytic Geometry I	5
PHI 122	Logic	3
PSY 122	Industrial/Organizational Psychology	3

FOURTH SEMESTER		17-19
EET 211	Advanced Solid State Electronics	4
EET 216	Microprocessors I	4
ECO 221	Principles of Macroeconomics <i>or</i>	
ECO 222	Principles of Microeconomics Approved Technical Electives	3 6-8

TECHNICAL ELECTIVES		6-8
MTH 146	Calculus and Analytic Geometry II	4
EET 212	Electronic Communications Systems	3
EET 130	Introduction to Renewable Energy Sources	4
EIT 210	Data and Network Communication	4
ELC 171	Programmable Logic Controllers	3
ELC 271	Advanced Programmable Controls	3
MTH 122	College Algebra Departmentally Approved Elective	5 3-5

Total Hours for A.A.S. Degree 66-70

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

Continued on next page.



MANUFACTURING, ENGINEERING, AND
ADVANCED TECHNOLOGIES PROGRAMS

DEGREES/CERTIFICATES

**ELECTRONICS TECHNOLOGY
(Certificate) Plan 24EF**

This program provides students with the basic background and skills necessary to work with both analog and digital electronics. A minimum of 35 semester hours credit must be completed for the certificate. Courses not listed here may be taken with division approval.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
EET 115 Electronics Laboratory Techniques	2
EET 170 DC Circuit Fundamentals	2
EET 174 AC Fundamentals Technical Electives	6
SECOND SEMESTER	12
EET 223 Introduction to Digital Electronics Technical Electives	8
THIRD SEMESTER	11
Technical Electives	11
TECHNICAL ELECTIVES	
Additional Required Coursework: Choose at least 25 credit hours from the following list	
CAD 117 Introduction to AutoCAD	3
EET 113 Solid State Electronics	4
EET 130 Introduction to Renewable Energy Sources	4
EET 176 Circuit Analysis and Network Theorems (Preferred course*) <i>or</i>	4
EET 211 Advanced Solid State Electronics	4
EET 212 Electronic Communication Systems	3
EET 216 Microprocessors I	
EET 299 Special Topics : Electrical/ Electronics	1-4
MTH 122 College Algebra <i>or</i>	
MTH 144 Precalculus	4-5
PHY 120 Practical Aspects of Physics <i>or</i>	
PHY 121 General Physics I	4-5
Total Hours for Certificate	35

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**ELECTRICAL/ELECTRONIC MAINTENANCE
(Certificate) Plan 24EH**

This certificate is intended to provide students with the skills necessary to perform electrical and electronic installation, trouble-shooting and maintenance procedures in industry, including practical experience with circuitry, motors and motor controls and programmable logic controllers.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
EET 115 Electronics Laboratory Techniques	2
EET 170 DC Circuit Fundamentals	2
ELC 114 Motors and Machine Controls	3
ELC 171 Programmable Logic Controllers	3
ELC 172 Applied Circuit Theory	2
MTH 117 Technical Mathematics I	3
SECOND SEMESTER	15-17
EET 230 Electrical Machinery	3
ELC 271 Advanced Programmable Controls	3
ENG 120 Technical Composition I <i>or</i>	3
ENG 121 English Composition I Technical Electives	6-8
TECHNICAL ELECTIVES	
EET 130 Introduction to Renewable Energy Sources	4
EET 223 Introduction to Digital Electronics	4
EET 299 Special Topics: Electrical/ Electronics	1-4
EIT 116 Fiber Optic Fundamentals	3
EIT 210 Data and Network Communication	4
ELT 151 PC Hardware Fundamentals	3
ISE 114 National Electrical Code	2
MET 131 Introduction to Robotics	3
Total Hours for Certificate	30-32

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**FIBER OPTICS TECHNICIAN
(Certificate) Plan 24EV**

This certificate program is designed to provide students the hands-on experience and knowledge needed to prepare for industry certification in fiber optics technology and to find entry level employment in network technology and telecommunications.

Additionally, this certificate may be used to broaden the experiences of skilled network and systems administrators to include fiber optic analysis, installation and testing.

FIRST SEMESTER	7
EIT 111 Digital and Network Fundamentals	4
EIT 116 Fiber Optic Fundamentals	3
Total Hours for Certificate	7

**WIRELESS NETWORKING SECURITY
(Certificate) Plan 24EU**

This certificate provides the hands-on and theoretical experiences a network administrator needs to be able to design, test and maintain secure wireless and mixed media networks. This program also prepares students to pursue certifications in the field of wireless networking.

FIRST SEMESTER	11
EIT 111 Digital and Network Fundamentals	4
EIT 210 Data and Network Communication	4
EIT 230 Secure Wireless Networking	3
SECOND SEMESTER	3
EIT 250 Wireless Data Communications	3
Total Hours for Certificate	14

For more information on recommended courses or program specific advising, contact faculty member Michelle Leonard at (847) 543-2760 or the Engineering, Math and Physical Science division at (847) 543-2044.

ELECTRICIAN APPRENTICESHIP

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/eap

*This program begins at
IBEW Local #150.*

For information contact:

IBEW Local #150
31290 N. U.S. Highway 45, Libertyville IL 60048
(847) 566-2200 Monday–Friday 7 a.m.– 4 p.m

**Degree: Associate in Applied Science,
Electrician Apprenticeship
Plan 24EG**

This program has been established in partnership with the International Brotherhood of Electrical Workers (IBEW), Local 150.

Students must be accepted into the IBEW apprentice-ship program prior to enrollment in the program.

Courses noted with a plus sign (+) are taken at CLC. All other courses are taken at the IBEW Local 150.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

YEAR ONE	14
FIRST SEMESTER	
CLC 120 ^	College Success Seminar [2]
EET 170	DC Circuit Fundamentals 2
EMF 111	Electronics Mathematics I 2
EMF 112	Electronics Mathematics II 2
ISE 114	National Electrical Code 2
EAP 111	Electrician Apprenticeship Work Experience I 2
SECOND SEMESTER	
ELT 111	Electronic Drafting 2
ELC 113	Basic Instrumentation and Shop Practice 2
EAP 111	Electrician Apprenticeship Work Experience II (Continued from 1st semester) 0
YEAR TWO	13
FIRST SEMESTER	
CMT 112	Construction Blueprint Reading 3
ELC 172	Applied AC Circuit Theory 2
EAP 112	Electrician Apprenticeship Work Experience II 2

SECOND SEMESTER	
ENG 120+	Technical Composition I <i>or</i> 3
ENG 121+	English Composition I 3
ISE 118	Power Distribution 3
EAP112	Electrician Apprenticeship Work Experience II (Continued from 1st semester) 0
YEAR THREE	16
FIRST SEMESTER	
CMM 111+	Communication Skills <i>or</i> 3
CMM 121+	Fundamentals of Speech 3
ELT 173	Applied Analog Circuits 3
EAP 113	Electrician Apprenticeship Work Experience III 2
SECOND SEMESTER	
CMT 118	Mechanical and Electrical Equipment 3
ELC114	Motor and Machine Controls 3
ELC 276	Electrical Industrial Safety 2
EAP 113	Electrician Apprenticeship Work Experience III (Continued from 1st semester) 0
FOURTH YEAR	14
FIRST SEMESTER	
ELC 171	Programmable Logic Controllers 3
EET 230	Electrical Machines 3
EAP 114	Electrician Apprenticeship Work Experience IV 2
SECOND SEMESTER	
ELT 117	Industrial Digital Electronics I 3
HST 222+	United States History 1876 to Present <i>or</i> 3
HST 225+	American Labor History 3
EAP 114	Electrician Apprenticeship Work Experience IV (Continued from 1st semester) 0
YEAR FIVE	11
FIRST SEMESTER	
CAD 110+	CAD/CAM Concepts 3
EAP 115	Electrician Apprenticeship Work Experience V 2
SECOND SEMESTER	
CAD 117+	Introduction to AutoCAD 3
ELT 172	Applied Communication Circuits 3
EAP 115	Electrician Apprenticeship Work Experience V (Continued from 1st semester) 0
Total Hours for A.A.S. Degree	68

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.



For more information on recommended courses or program specific advising, contact faculty member Michelle Leonard at (847) 543-2760 or the Engineering, Math and Physical Science division at (847) 543-2044.



ENGINEERING AND COMPUTER SCIENCE

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/egr

**Degree: Associate in Engineering Science
Plan 12AB**

This program is **recommended** for students pursuing a **B.S. in Engineering**, including any of the various engineering disciplines (e.g. mechanical, electrical, civil, aeronautical, materials, agricultural, biomedical, chemical, and computer, etc.). The program parallels the first two years of engineering programs at most universities accredited by the Accrediting Board for Engineering and Technology (ABET). Four year schools offering a **B.S. in Engineering** include the University of Illinois at Chicago (UIC), Northern Illinois University (NIU), University of Illinois at Urbana-Champaign (UIUC), Illinois Tech (IIT), Bradley, Southern Illinois University (SIU), Northwestern University, Milwaukee School of Engineering (MSOE), Marquette, Purdue, and more. Upon completion of minimum transfer requirements (which vary by four year school), CLC Engineering students can transfer to complete their B.S degree at a four year college or university.

This program is also appropriate for students pursuing a **B.S. in Computer Science with an engineering focus**. Four year schools offering a B.S. in Computer Science with an engineering focus include University of Illinois at Chicago (UIC), University of Illinois at Urbana-Champaign (UIUC College of Engineering), Illinois Tech (IIT), Southern Illinois University at Carbondale (SIUC) and Southern Illinois University at Edwardsville (SIUE). Students desiring a **B.A. or B.S. in Computer Science with a math or liberal arts focus** may want to pursue the program of study recommended under Computer Science (Associate in Science) on page 150.

Since minor differences in course requirements exist at different universities and in different engineering disciplines within the same university, students are strongly advised to meet with a faculty advisor from the Engineering Department or an Academic Success Advisor, and consult the college catalog and an engineering advisor at their intended transfer institution.

FIRST SEMESTER	14
CLC 120 ^	College Success Seminar [2]
MTH 145	Calculus and Analytic Geometry I 5
CHM 121	General Chemistry I 5
EGR 120	Introduction to Engineering # or Technical Elective 1
ENG 121	English Composition I 3

SECOND SEMESTER	18
MTH 146	Calculus and Analytic Geometry II 4
EGR 121	Engineering Design Graphics 3
ENG 122	English Composition II or
ENG 126	Advanced Composition: Scientific and Technical Communications 3
PHY 123	Physics for Science and Engineering I 5
PSY 121	Introduction to Psychology or other Humanities/Fine Arts or Social Science Elective 3

THIRD SEMESTER	16
PHY 124	Physics for Science and Engineering II 5
EGR 125	Engineering Statics # or Technical Elective 3
MTH 246	Calculus and Analytical Geometry III 5
PHI 125	Introduction to Ethics or other Humanities/Fine Arts or Social Science Elective* 3

FOURTH SEMESTER	15-17
MTH 227	Differential Equations 3
EGR 225	Engineering Dynamics # or Technical Elective 3
EGR 260	Introduction to Circuit Analysis # or Technical Elective 3-4
ECO 222	Principles of Microeconomics or other Humanities/Fine Arts or Social Science Elective* 3
MCS 140	Computer Programming I or
MCS 141	Computer Science I 3-4

OPTIONAL SUMMER RECOMMENDATIONS (based on the institution you intend to transfer to)	
CHM 123	General Chemistry II # 5
EGR 222	Engineering Mechanics of Materials# or Technical Elective 3
PHY 221	Physics for Science and Engineering III # 4

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Select a minimum of 12 credit hours from the technical elective courses. Courses may include those recommended in the semester schedule above or substitute in a different course from the list below.

* Select courses from three different disciplines (i.e. different prefixes). At least one course must be selected from the Social and Behavioral Sciences section and one course from either the Humanities or Fine Arts section. See pages 44-45 for specific course list. Include one course in International/Multicultural Education. There will be a + following the course number. This course can fulfill both the I/M requirement and a Social Science, Humanities, or Fine Arts requirement.

TECHNICAL ELECTIVES FOR SPECIFIC ENGINEERING MAJORS BELOW

EGR 120	Introduction to Engineering	1
EGR 121	Engineering Design Graphics	3
EGR 125	Engineering Statics	3
EGR 140	How to Make Almost Anything	3
EGR 225	Engineering Dynamics	3
EGR 260	Introduction to Circuit Analysis	4
EGR 222	Engineering Mech of Materials	3
EGR 299	Special Topics in Engineering	1-3
EET 223	Introduction to Digital Electronics	4
BIO 161	General Biology	4
BIO 244	Anatomy and Physiology I	4
CHM 123	General Chemistry II	5
CHM 222	Organic Chemistry I	5
CHM 223	Organic Chemistry II	5
MCS 142	Computer Science II	3
MCS 240	Computer Organization and Architecture	3
MTH 225	Introduction to Linear Algebra	3
MTH 244	Discrete Mathematics	3
PHY 221	Physics for Science and Engineering III	4

These are recommended (not required) electives that students can choose from when developing an academic plan of study. These recommendations align with the IAI Engineering Panel recommendations. Students are strongly recommended to choose courses in consultation with an advisor to meet 4-year Engineering school transfer requirements.

General or Undecided:
EGR 120, 121, 125, 225, 260

Aeronautical/Aerospace:
EGR 120, 121, 125, 222, 225, 260

Biomedical Engineering:
EGR 120, 260, CHM 123, BIO 161, 244

Chemical Engineering:
EGR 120, 121, CHM 123, 222, 223

Civil Engineering:
EGR 120, 121, 125, 222, 225

Computer Science:
EGR 120, MCS 141, 142, 240, MTH 244

Electrical/Computer Engineering:
EET 223, EGR 120, 260, MTH 225, 244

Industrial Engineering:
EGR 120, 121, 125, 225, 222

Materials Engineering:
EGR 120, 121, 125, 222, 225

Mechanical Engineering:
EGR 120, 121, 125, 225, 222, 260

COURSES OFFERED IN SELECTED SEMESTERS ONLY

Course	Fall	Spring	Summer
CHM 222	X	X	
EGR 120	X	X	
EGR 125	X	X	
EGR 222		X	X
EGR 225	X	X	
EGR 260		X	
EET 223	X	X	
MCS 240	X		
MTH 225		X	X
MTH 244	X	X	
PHY 123	X	X	
PHY 124	X	X	
PHY 221		X	X

Above schedule assumes sufficient enrollment. For more information about this course of study, students should contact the division office.

For more information on recommended courses or program specific advising, contact the following faculty members or the Engineering, Math and Physical Sciences division at (847) 543-2044:

Jan Edwards | Rob Twardock



**HEATING, VENTILATION,
AIR CONDITIONING,
REFRIGERATION
ENGINEERING TECHNOLOGY**
Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/het

The HVACR program provides instruction in air conditioning, heating, and refrigeration. Introductory courses in electricity, electric motors, and theory of refrigeration are included. Advanced work in the commercial area includes work on reach-in and walk-in units found in stores, dairies, and markets. Other areas of study include uses of air conditioning, temperature and humidity control, air circulation, cleaning, installation, and troubleshooting of equipment. Students are required to provide their own basic tools, and to take a national exit exam which will give passing students national recognition on an A.R.I. (Air Conditioning and Refrigeration Institute) National Registry, which goes to Refrigeration, Heating and Air Conditioning employers.

For students interested in **Sustainable Programs**, please see pages 180-181 for options, or contact the identified department chair for more information.

**HVAC/R ENGINEERING
TECHNOLOGY**

**Degree: Associate in Applied Science,
HVAC/R Engineering Technology
Plan 24RD**

The Residential HVAC A.A.S. program prepares students for service and installation positions with specialization in the design, layout, installation, and service of residential HVAC equipment. Students acquire skills in safety, HVAC principles, soldering and brazing, mechanical and electrical troubleshooting, refrigerant handling, the use of refrigerant gauges, and electrical test equipment.

The Residential HVAC curriculum is aligned with the educational standards of the Partnership for Air Conditioning, Heating, Refrigeration Accreditation (PAHRA) and the Illinois Occupational Skill Standards for HVACR. HET courses in A/C split-systems, residential HVAC systems, air movement and ventilation, advanced electrical, HVACR codes, EPA and

NATE certification preparation, hydronic heating, and a HET capstone course meet recertification requirements for NATE.

The Residential HVAC program is a partner of the Air Conditioning, Heating, and Refrigeration Institute (AHRI). Upon completion of a second semester course students qualify to sit for the Industry Competency Examination (ICE), a nationally recognized credential in the HVACR industry which provides passing students national recognition on an AHRI or North American Technician Excellence (NATE) national registry distributed to heating, ventilation, air conditioning, and refrigeration employers.

Note: Students are required to provide their own basic tools.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

SUMMER SESSION		3
MTH 114	Applied Mathematics I <i>or</i>	
MTH 115	Applied Mathematics II <i>or</i>	
MTH 117	Technical Mathematics I	3

FIRST SEMESTER		14
CLC 120 ^	College Success Seminar	[2]
HET 110	Basic Refrigeration	4
HET 111	HVACR Electricity I	4
HET 190	EPA Certification	2
HET 155	HVAC/R Blueprint Reading	1

SECOND SEMESTER		19
HET 119	HVACR Electricity II	4
HET 130	Heating I Residential Appliances	4
HET 172	Refrigeration II Commercial Appliances	4
HET 191	HVAC/R Load Calculation	4
ECO 110	Economics for Business and Industry <i>or</i> Social Science Elective*	3

SUMMER SESSION		4
HET 150	Air Conditioning Split-Systems	4

THIRD SEMESTER 14-16		
ENG 120	Technical Composition I <i>or</i>	
ENG 121	English Composition I	3
HET 230	Air Movement and Ventilation	4
HUM 127	Critical Thinking <i>or</i> Humanities or Fine Arts Elective*	3
	Technical Elective	4-8

FOURTH SEMESTER	12-14
HET 251 Sheet Metal Fabrication	1
HET 252 A/C III Installation and Service	4
CMM 111 Communication Skills	3
Technical Elective	4-8

Total Hours for A.A.S. 63-67

TECHNICAL ELECTIVES 8-12

HET 193 Recertification Preparation	0.5
HET 194 NATE Certification Preparation	2
HET 219 HVACR Electricity III	4
HET 231 Heating II Hydronic Heating Systems	4
HET 250 A/C II Commercial HVAC Appliances	4
HET 272 Refrigeration III Commercial Appliance Installation	4
HET 273 Direct Digital Controls	4
HET 293 HVAC Codes	3
HET 294 Green Building/Energy Sustainability	3
ELC 171 Programmable Logic Controllers	3
ELC 271 Advanced Programmable Controls	3
WLD 170 General Welding	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

RESIDENTIAL HEATING TECHNICIAN (Certificate) Plan 24RJ

Note: This certificate has a fast-track option.

The Residential Heating Technician Certificate program prepares students for employment as residential heating trainee. This certificate places a strong emphasis on operational characteristics of various types of residential heating equipment, its wiring, and safety procedures. Students learn to use refrigerants, gauges, and electrical test equipment in a residential setting. Students will be given a national exit exam after each advanced course which will provide passing students recognition on the Air Conditioning, Heating,

and Refrigeration Institute (AHRI) national registry distributed to heating, air conditioning, ventilation, and refrigeration employers.
Note: Students are required to provide their own basic tools.

FIRST SEMESTER 10

HET 110 Basic Refrigeration Systems	4
HET 111 HVACR Electricity I	4
HET 190 EPA Certification Preparation	2

SECOND SEMESTER 4

HET 130 Heating I Residential Appliances	4
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Total Hours for Certificate 14

RESIDENTIAL AIR CONDITIONING TECHNICIAN (Certificate) Plan 24RN

Note: This certificate has a fast-track option.

The Residential Air Conditioning Technician Certificate program prepares students for employment as residential air conditioning trainee. This certificate places a strong emphasis on operational characteristics of various types of residential air conditioning equipment, its wiring, and safety procedures. Students learn to use refrigerants, gauges, and electrical test equipment in a residential setting. Students will be given a national exit exam after each advanced course which provides passing students recognition on the Air Conditioning, Heating, and Refrigeration Institute (AHRI) national registry distributed to heating, air conditioning, ventilation, and refrigeration employers.

Note: Students are required to provide their own basic tools.

FIRST SEMESTER 10

HET 110 Basic Refrigeration Systems	4
HET 111 HVACR Electricity I	4
HET 190 EPA Certification Preparation	2

SECOND SEMESTER 4

HET 150 Air Conditioning I Split Systems	4
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Total Hours for Certificate 14

COMMERCIAL REFRIGERATION TECHNICIAN (Certificate) Plan 24RK

Note: This certificate has a fast-track option.

The Commercial Refrigeration Technician Certificate program prepares students for employment as commercial refrigeration trainee. This certificate places a strong emphasis on the commercial refrigeration industry and emphasizes hands-on service and installation techniques, soldering and brazing, safety, and mechanical and electrical troubleshooting. Students learn to use refrigerants, gauges, and electrical test equipment in a commercial setting. Students will be given a national exit exam after each advanced course which provides passing students recognition on the Air Conditioning, Heating, and Refrigeration Institute (AHRI) national registry distributed to heating, air conditioning, ventilation, and refrigeration employers.

Note: Students are required to provide their own basic tools.

FIRST SEMESTER 10

HET 110 Basic Refrigeration Systems	4
HET 111 HVACR Electricity I	4
HET 190 EPA Certification Preparation	2

SECOND SEMESTER 4

HET 172 Refrigeration II Commercial Appliances	4
---	---

Total Hours for Certificate 14

ELECTRICAL TROUBLESHOOTING TECHNICIAN (Certificate) Plan 24RL

Note: This certificate has a fast-track option.

The Electrical Troubleshooting Technician Certificate program prepares students to specialize in electrical troubleshooting for employment as HVAC trainees. This certificate places a strong emphasis on national Electrical Code, meters, schematics, and wiring diagrams, electrical troubleshooting, electrical service procedures, electrical test equipment, and safety. Students learn to use electrical test

Continued on next page.

MANUFACTURING, ENGINEERING, AND ADVANCED TECHNOLOGIES PROGRAMS

equipment found in a HVAC setting. Students will be given a national exit exam after each advanced course which provides passing students recognition on the Air Conditioning, Heating, and Refrigeration Institute (AHRI) national registry distributed to heating, air conditioning, ventilation, and refrigeration employers.

Note: Students are required to provide their own basic tools.

FIRST SEMESTER	10
HET 110 Basic Refrigeration Systems	4
HET 111 HVACR Electricity I	4
HET 190 EPA Certification Preparation	2
SECOND SEMESTER	4
HET 119 HVACR Electricity II	4
Total Hours for Certificate	14

HVAC/R INSTALLATION TECHNICIAN CERTIFICATE (Certificate) Plan 24RY

This certificate is designed to give the HVAC/R student the ability and knowledge in the area of installation which includes the skills in installing HVAC/R equipment and fabricating sheet metal duct systems.

FIRST SEMESTER	11
CLC 120 ^ College Success Seminar	[2]
HET 110 Basic Refrigeration Systems	4
HET 111 HVACR Electricity I	4
HET 155 HVAC/R Blueprint Reading	1
HET 190 EPA Certification Preparation	2
SECOND SEMESTER	9
HET 130 Heating I Residential Appliances	4
HET 251 Sheet Metal Fabrication	1
HET 252 A/C III Installation and Service	4
Total Hours for Certificate	20

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

HVAC/R SERVICE TECHNICIAN (Certificate) Plan 24RI

The HVAC/R Service Technician Certificate program prepares students for specialization and employment as both residential and commercial HVAC/R equipment technicians. Courses provide exposure to HVAC/R industry and emphasize hands-on service and installation techniques, soldering and brazing, safety, and mechanical and electrical troubleshooting. Students learn to use refrigerants, gauges, and electrical test equipment in a commercial setting. Students will be given a national exit exam after each advanced course which provide passing students recognition on the Air Conditioning, Heating, and Refrigeration Institute (AHRI) national registry distributed to heating, air conditioning, ventilation, and refrigeration employers.

Note: Students are required to complete the HVAC/R Installation Technician certificate (24RY) before beginning this certificate. In addition students must provide their own basic tools.

FIRST SEMESTER	14
CLC 120 ^ College Success Seminar	[2]
HET 119 HVACR Electricity II	4
HET 191 HVACR Load Calculation	4
HET 194 NATE Certification Preparation	2
HET 230 Air Movement and Ventilation	4
SECOND SEMESTER	15
HET 150 Air Conditioning I Split-Systems	4
HET 250 A/C II Commercial HVAC Appliances	4
HET 293 HVAC Codes	3
HET 231 Heating II Hydronic Heating Systems	4
Total Hours for Certificate	29

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

RESIDENTIAL ENERGY AUDITING (Certificate) Plan 24RW

The Residential Energy Audit Certificate prepares students to specialize in the energy audit and insulation of residential buildings, while preparing students for employment as energy auditors. It also prepares students to sit for the Residential Energy Services Network's (RESNET®) exam. Coursework provides an introduction to the energy audit and building insulation industry and emphasizes hands-on blower door inspections, soldering and brazing, safety, and mechanical and electrical troubleshooting. Students learn to use refrigerants, gauges, and electrical test equipment in a residential and commercial building setting.

Note: Students are required to provide their own basic tools.

FIRST SEMESTER	8
CLC 120 ^ College Success Seminar	[2]
HET 110 Basic Refrigeration Systems	4
HET 111 HVACR Electricity I	4
SECOND SEMESTER	8
HET 291* Energy Auditing	4
HET 292 Resnet Exam Preparation	1
HET 294 Green Building/Energy Sustainability	3
Total Hours for Certificate	16

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

*Additional Prerequisites

For more information on recommended courses or program specific advising, contact the Engineering, Math and Physical Sciences division at (847) 543-2044.

LASER/PHOTONICS/OPTICS

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/lpo

OPTICS AND PHOTONICS TECHNOLOGY

**Degree: Associate in Applied Science,
Optics and Photonics Technology
Plan 24LD**

This program prepares graduates for employment in the growing field of photonics - including optics, lasers, fiber optics, and other electro-optical devices. Graduates are qualified for employment in positions such as lab technician, system installer, troubleshooting/repair technician, and marketing and sales representatives. Employers include companies in various industries that use photonics applications; such as manufacturing, aerospace, defense, entertainment, laser manufacturers, energy, medicine, automotive, lighting, and communications. The program includes industry recommended coursework, hands-on experience with state of the art equipment, and project work expected of entry level employees. This program prepares graduates for a successful career in this rapidly growing field.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER		13-15
CLC 120 ^	College Success Seminar [2]	
MTH 118	Technical Mathematics II or	
MTH 122	College Algebra or higher level Math (consult with an advisor)	3-5
ENG 121	English Composition I or	
ENG 120	Technical Composition I	3
CAD 170	Introduction to SolidWorks	3
CMM 121	Fundamentals of Speech or	
CMM 122	Business/Professional Speaking or	
CMM 128	Interviewing Practices	3
EWE 120	Job Readiness Skills	1

SECOND SEMESTER		13-17
LPO 112	Elements of Photonics	3
LPO 113	Photonics-Enabled Technologies	3
PHY 121	General Physics I or higher level Physics	4-5
ARM 156	Electrical Systems I and	
ARM 157	Electrical Systems II and	
ARM 158	Electrical Systems III or	
EET 115	Electronic Laboratory Techniques and	
EET 170	DC Circuit Fundamentals and	
EET 174	AC Fundamentals	3-6

THIRD SEMESTER		20-22
LPO 212	Elements of Photonics II	3
LPO 211	Quality Assurance for Precision Optics	3
LPO 290	LPO Capstone Proposal	1
EET 223	Introduction to Digital Electronics	4
HUM 127	Critical Thinking or	
PHI 125	Introduction to Ethics	3
LPO 250	Laser and Electro-Optic Devices	3
	LPO Elective	
	Choose from elective list below. Any course can be taken once towards total credit hours for completion of this certificate 3-5	

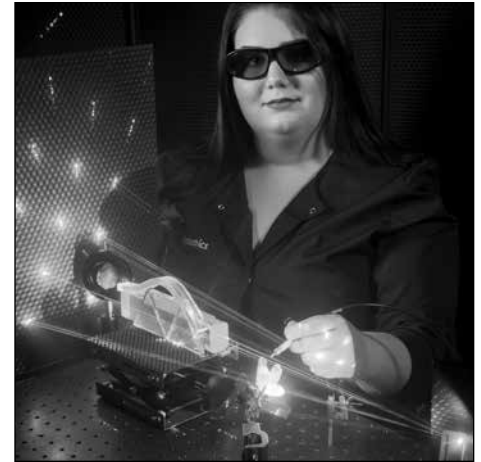
FOURTH SEMESTER		12-15
LPO 291	LPO Project or Research Capstone or	
EWE 220	Internship I	3
LPO 145	Photonic CAD Applications or	
EET 216	Microprocessors I	3-4
ECO 110	Economics for Business and Industry	3
	LPO Elective	
	Choose from elective list below. Any course can be taken once towards total credit hours for completion of this certificate 3-5	

LPO ELECTIVES		
SELECT FROM THE FOLLOWING LIST		
LPO 134	Introduction to Biophotonics	4
BIO 123	Principles of Biology	4
BIO 161	General Biology I	4
ELC 171	Programmable Logic Controllers	3
ELC 271	Advanced Programmable Controls	3
MET 111	Manufacturing Processes	3
PHY 122	General Physics II	5
PHY 123	Physics for Science and Engineering I	5
PHY 124	Physics for Science and Engineering II	5
PHY 221	Physics for Science and Engineering III	4
LPO 110	Introduction to Lasers, Photonics and Optics	3

Total Hours for A.A.S. Degree 61-72

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

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MANUFACTURING, ENGINEERING, AND
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DEGREES/CERTIFICATES

**LASER/PHOTONICS/OPTICS
(Certificate) Plan 24LA**

This certificate provides career oriented students training to enter the laser/photronics/optics support field. The skill sets involved in this certificate provide basic understanding of laser operation, safe handling of lasers and optics, manufacturing, applications, installation and maintenance.

FIRST SEMESTER	10-13
CLC 120 ^ College Success Seminar	[2]
LPO 110 Introduction to Lasers, Photonics and Optics	3
LPO 111 Fundamentals of Lights and Lasers	4
EET 115 Electronic Laboratory Techniques <i>or</i>	
ARM 156 Electrical Systems I	1-2
ARM 157 Electrical Systems II <i>or</i>	
EET 170 DC Circuit Fundamentals	1-2
ARM 158 Electrical Systems III <i>or</i>	
EET 174 AC Fundamentals	1-2
SECOND SEMESTER	7
LPO 112 Elements of Photonics	3
LPO 113 Photonics-Enabled Technologies	3
Total Hours for Certificate	16-19

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**APPLIED LASERS
(Certificate) Plan 24LC**

This certificate provides career oriented students training to enter the laser/photronics/optics support field. The skill sets involved in this certificate provide basic understanding of laser operation, safe handling of lasers and optics, manufacturing, applications, installation and maintenance.

FIRST SEMESTER	7
LPO 111 Fundamentals of Lights and Lasers	4
CAD 170 Introduction to Solidworks	3
SECOND SEMESTER	6
LPO 113 Photonics-Enabled Technologies	3
LPO 145 Photonic CAD Applications	3
Total Hours for Certificate	13

**BIOPHOTONICS
(Certificate) Plan 24LB**

This certificate introduces the basics of Photonics (Light) and photonic devices that accept light into an existing program. Light is an enabling technology that aids and is sometimes the foundation for a given industry. This certificate illustrates the interaction of light with a sample as an input to a device which allows a technician to discover a variety of phenomena related to a substance.

FIRST SEMESTER	4
LPO 111 Fundamentals of Lights and Lasers	4
SECOND SEMESTER	7
LPO 112 Elements of Photonics	3
BIO 123 Principles of Biology <i>or</i>	
BIO 161 General Biology I	4
THIRD SEMESTER	4
LPO 134 Introduction to Biophotonics	4
Total Hours for Certificate	15

For more information on recommended courses or program specific advising, contact faculty member William Kellerhals at (847) 543-2616 or the Engineering, Math and Physical Sciences division at (847) 543-2044.

MACHINE TOOL TRADES

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/mtt

This program prepares students for employment and advancement in the machine tool field. Machinists are skilled workers who are able to read and interpret blueprints, use common hand tools, set up and operate metal cutting machines, and use precision measuring instruments. Advanced placement in this program is possible for experienced machinists. Apprenticeship and N.I.M.S. national credentialing credit is also available. Machine tool courses are approved by the United States Department of Labor, Bureau of Apprenticeship Training and the N.I.M.S. national certified program.

BASIC MACHINING – PHASE I (Certificate) Plan 24MJ

FIRST SEMESTER	9
MTT 110 Machine Trades Blueprint Reading	3
MTT 111 Machine Shop I	3
MTH 114 Applied Mathematics I	3
SECOND SEMESTER	6
CNC 110 CNC Operations I	3
MTT 210 Machine Shop II	3
Total Hours for Certificate	15

MACHINE TOOL TRADES – PHASE II (Certificate) Plan 24SM

REQUIRED PHASE I COURSEWORK (SEE PHASE I AT LEFT) **15**

FIRST SEMESTER	10
CLC 120 ^ College Success Seminar	[2]
MET 111 Manufacturing Processes	3
MTH 115 Applied Mathematics II	3
MTT 113 Grinding Technology	3
CNC 115 CNC Programming I <i>or</i>	
EWE 120 Job Readiness Skills	1

SECOND SEMESTER	11
EWE 220 Cooperative Work Experience I	2
MET 112 Basic Metallurgy I	3
MTT 212 Precision Machining/ NIMS Credentialing	3
WLD 170 General Welding	3

Total Hours for Certificate **36**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

TOOL AND MOLD MAKER – PHASE III (ADVANCED) (Certificate) Plan 24SR

REQUIRED PHASE I AND PHASE II COURSEWORK (SEE ABOVE) **36**

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
MTT 115 Introduction to Diemaking	3
MTT 116 Introduction to Moldmaking	3
MTT 211 Jig and Fixture Design	3

SECOND SEMESTER	6
CNC 217 Introduction to Wire EDM Machining	3
CNC 210 CNC Operations II <i>or</i>	
MTT 215 Diemaking II <i>or</i>	
MTT 216 Moldmaking II	3

Total Hours for Certificate **51**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

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MANUFACTURING, ENGINEERING, AND
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MACHINE TOOL TRADES

**Degree: Associate in Applied Science,
Machine Tool Trades
Plan 24MD**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	15
CLC 120 ^ College Success Seminar	[2]
CMM 111 Communication Skills	3
ENG 120 Technical Composition I <i>or</i>	
ENG 121 English Composition I	3
MTH 114 Applied Mathematics I	3
MTT 110 Machine Trades	
Blueprint Reading	3
MTT 111 Machine Shop I	3

SECOND SEMESTER	15
MET 111 Manufacturing Processes	3
MET 112 Basic Metallurgy I	3
MTH 115 Applied Mathematics II	3
MTT 210 Machine Shop II	3
Humanities/Fine Arts Elective	3

SUMMER SESSION	6
MTT 211 Jig and Fixture Design	3
Social Science Elective	3

THIRD SEMESTER	15
ECO 110 Economics for Business and Industry	3
MTT 113 Grinding Technology	3
MTT 115 Introduction to Diemaking	3
MTT 116 Introduction to Moldmaking	3
MTT 212 Precision Machining/ NIMS Credentialing	3

FOURTH SEMESTER	10
CNC 110 CNC Operations I	3
CNC 115 CNC Programming I <i>or</i>	
EWE 120 Job Readiness Skills	1
CNC 217 Introduction to Wire EDM Machining	3
WLD 170 General Welding	3

SUMMER SESSION	5
CNC 210 CNC Operations II <i>or</i>	
MTT 215 Diemaking II <i>or</i>	
MTT 216 Moldmaking	3
EWE 220 Cooperative Work Experience I	2

Total Hours for A.A.S. Degree 66

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, contact faculty member Jeff Hines at (847) 543-2506 or the Engineering, Math and Physical Sciences division at (847) 543-2044.

MECHANICAL ENGINEERING TECHNOLOGY

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/met

**Degree: Associate in Applied Science,
Mechanical Engineering Technology
Plan 24MB**

Mechanical engineering technicians are the semi-professional members of the engineer/scientist/technician team engaged in the design of machines, mechanisms, and other mechanical systems. Assignments may include drafting, designing, research and development, product and materials testing, and supervision. In addition to a broad based background in mechanical design, this program offers training on an industrial CAD system.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

Note: MET Students please see an advisor to schedule classes for the MET degree as program changes are coming soon.

FIRST SEMESTER		15-17
CLC 120 ^	College Success Seminar	[2]
CAD 170	Introduction to SolidWorks <i>or</i>	
CAD 176	Introduction to Creo	3
ELC 171	Programmable Logic Controllers <i>or</i>	
ARM 171	Automation I <i>and</i>	
ARM 172	Automation II <i>and</i>	
ARM 173	Automation III	3
MTH 117	Technical Mathematics I <i>or</i>	
MTH 123	Trigonometry <i>or</i>	
MTH 144	Precalculus <i>or</i>	
MTH 145	Calculus and Analytic Geometry I	3-5
EGR 121	Engineering Graphics	3
MTT 111	Machine Shop I <i>or</i>	
MTT 112	Machining Principles <i>or</i>	
LPO 113	Photonics-Enabled Technologies	3

SECOND SEMESTER		15-16
HET 111*	HVACR Electricity I <i>or</i>	
EET 170	DC Circuit Fundamentals <i>and</i>	
EET 174	AC Fundamentals <i>or</i>	
ARM 156	Electrical Systems I <i>and</i>	
ARM 157	Electrical Systems II <i>and</i>	
ARM 158	Electrical Systems III	3-4
CMM 111	Communication Skills <i>or</i>	
CMM 121	Fundamentals of Speech	3

MET 115	Industrial Pneumatics Hydraulics <i>or</i>	
ARM 191	Pneumatics and Hydraulics I <i>and</i>	
ARM 192	Pneumatics and Hydraulics II <i>and</i>	
ARM 193	Pneumatics and Hydraulics III	3
ECO 221	Principles of Macroeconomics <i>or</i>	
PSY 121	Introduction to Psychology <i>or</i>	
PSY 122	Industrial/Organizational Psychology	3
MET 131	Introduction to Robotics <i>or</i>	
ARM 131	Robot Design and Construction I <i>and</i>	
ARM 132	Robot Design and Construction II <i>and</i>	
ARM 133	Robot Design and Construction III	3

THIRD SEMESTER 18

ARM 242	Reverse Engineering of Mechanical Systems	3
MET 111	Manufacturing Processes	3
MET 212	Mechanisms	4
ENG 120	Technical Composition I <i>or</i>	
ENG 121	English Composition I	3
PHY 121	General Physics I	5

FOURTH SEMESTER 17

MET 231	Mechatronics <i>or</i>	
ARM 196	Capstone I <i>and</i>	
ARM 197	Pneumatic and Hydraulic Systems Capstone <i>and</i>	
ARM 198	Complete Systems Integration	3
	Humanities or Fine Arts Elective	3
MET 214	Mechanical Design and Drafting	3
MET 215	Machine Design	5
MET 216	Applied Finite Element Analysis	3
Total Hours for A.A.S. Degree		65-68

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

Additional math may be required for students who choose to pursue a Bachelors degree in Mechanical Engineering Technology (BSMET). Contact faculty member Margie Porter at (847) 543-2904 for additional information.

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**MECHANICAL ENGINEERING
TECHNOLOGY DESIGN I – IV
CERTIFICATES**

The following four certificates represent the four “rungs” of a career ladder in the Mechanical Engineering Technology design field. Each certificate represents specialty coursework that students must acquire as they move towards the MET degree.

**MET I: TOOLBOX
(Certificate) Plan 24MK**

FIRST SEMESTER	9
MTT 111 Machine Shop I <i>or</i>	
MTT 112 Machining Principles	3
MET 111 Manufacturing Processes	3
EGR 121 Engineering Graphics	3
Total Hours for Certificate	9

**MET II: NUTS AND BOLTS
(Certificate) Plan 24ML**

FIRST SEMESTER	3
CAD 170 Introduction to SolidWorks <i>or</i>	
CAD 176 Introduction to Creo	3
SUMMER SESSION	4
CNC 111 Geometric Dimensioning and Tolerancing	1
MET 214 * Mechanical Design and Drafting	3
Total Hours for Certificate	7

* additional prerequisite courses needed

**MET III: MECHATRONICS
(Certificate) Plan 24MM**

FIRST SEMESTER	6
MET 115 Industrial Pneumatics and Hydraulics	3
MET 131 Introduction to Robotics	3
SECOND SEMESTER	3
MET 231 * Mechatronics	3
Total Hours for Certificate	9

* additional prerequisite courses needed

**MET IV: DESIGN AND INNOVATION
(Certificate) Plan 24MN
*Pending Approval***

FIRST SEMESTER	7
ARM 242 Reverse Engineering of Mechanical Systems	3
MET 212 Mechanisms	4
SECOND SEMESTER	8
MET 215 Machine Design	5
MET 216 Applied Finite Element Analysis	3
Total Hours for Certificate	15

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**MECHANICAL SERVICE
TECHNICIAN I AND II
CERTIFICATES**

The following two certificates will prepare students for the installation, maintenance and repair of the mechanical and basic electrical aspects of industrial machinery in the mechanical service technician field.

**MECHANICAL SERVICE TECHNICIAN I
(Certificate) Plan 24MO**

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
MET 111 Manufacturing Processes	3
MET 115 Industrial Pneumatics and Hydraulics	3
MET 116 Machine Components and Repair	3
MTT 110 Machine Trades Blueprint Reading	3
SECOND SEMESTER	5
MTT 111 Machine Shop I	3
WLD 170 General Welding I	2
Total Hours for Certificate	17

**MECHANICAL SERVICE TECHNICIAN II
(Certificate) Plan 24MP**

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
EET 115 Electronic Laboratory Techniques	2
EET 170 DC Circuit Fundamentals <i>and</i>	
EET 174 AC Fundamentals <i>or</i>	
HET 111 HVACR Electricity I	4
MET 117 Pump Overhaul and Repair	3
MET 118 Machinery's Handbook	3
SECOND SEMESTER	6
WLD 171* Gas Weld Cutting and Brazing <i>or</i>	
WLD 172* Shielded Metal Arc Welding <i>or</i>	
WLD 175* Gas Metal Arc Welding <i>or</i>	
WLD 178* Gas Tungsten Arc Welding	3
MTT 210 Machine Shop II	3
Total Hours for Certificate	18

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* additional prerequisite courses required

WLD 171 and WLD 175 Spring Only
WLD 172 and WLD 178 Fall Only

For more information on recommended courses or program specific advising, contact faculty member Margie Porter at (847) 543-2904 or the Engineering, Math and Physical Science division at (847) 543-2044.

WELDING

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/wld

WELDING TECHNOLOGY

**Degree: Associate in Applied Science,
Welding Technology
Plan 24WP**

This degree program combines training with classes in the background knowledge needed by workers in welding occupations. Students practice and develop welding skills in the laboratory and may take an examination for certification. The program is for those who want to acquire the technical knowledge and skills required for workers in welding, fabrication, and related occupations. As a graduate of the Welding program, students may qualify for positions in business and industry such as machinery fabrication, structural fabrication, welding fitting and layout, automatic and semiautomatic welding, automatic flame cutter operation, millwright welding, plant maintenance, and quality control and development. The program offers students a background in manufacturing materials, processes, and systems, including shear and press brake operation, blueprint reading, and shop drawing and layout. The curriculum includes written and oral communications and general education classes and emphasizes related scientific, mathematical, and general mechanical principles.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
WLD 170 General Welding	3
WLD 113 Welding Blue Print Reading	3
MET 111 Manufacturing Processes	3
MTH 114 Applied Mathematics I or Higher Level Math	3

SECOND SEMESTER	18
WLD 171 Gas Welding Cutting and Brazing	3
WLD 172 Shielded Metal Arc Welding	3
WLD 174 Adv. Shielded Metal Arc Welding	3
WLD 175 Gas Metal Arc Welding	3
CAD 117 Introduction to AutoCAD	3
MTT 112 Machining Principles	3

SUMMER SESSION	4
CNC 111 Geometric Dimensioning and Tolerancing	1
ENG 121 English Composition I	3

THIRD SEMESTER	12
WLD 178 Gas Tungsten Arc Welding	3
MET 112 Basic Metallurgy I	3
CMM 111 Communication Skills	3
WLD 179* Gas Tungsten Arc Welding	3

FOURTH SEMESTER	15
ECO 110 Economics for Business and Industry	3
Humanities or Fine Arts Elective	3
Welding Elective	3
WLD 117 Applied Fabricating Processing	3
WLD 176 Welding Certification	3

WELDING ELECTIVES	
CAD 170 Introduction to SolidWorks	3
MTT 111 Machine Shop I	1
LPO 111 Fundamentals of Light and Lasers	3
WLD 180 Robotics Welding I	3
WLD 299 Special Topics in Welding	3

Total Hours for A.A.S. 61

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Continued on next page.



MANUFACTURING, ENGINEERING, AND
ADVANCED TECHNOLOGIES PROGRAMS

**WELDING
(Certificate) Plan 24WL**

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
WLD 170 General Welding	3
WLD 113 Welding Blue Print Reading	3
MTH 114 Applied Mathematics I	3
MET 112 Basic Metallurgy	3
SECOND SEMESTER	9
WLD 171 Gas Welding Cutting and Brazing	3
MET 113 Basic Metallurgy II <i>or</i>	
MET 111 Manufacturing Processes	3
WLD 175 Gas Metal Arc Welding	3
THIRD SEMESTER	8-9
WLD 172 Shielded Metal Arc Welding (First 8 weeks)	3
WLD 174 Advanced Shielded Metal Arc Welding (Second 8 weeks)	3
Welding Electives	2-3
FOURTH SEMESTER	12
WLD 117 Applied Fabricating and Processing	3
WLD 176 Welding Certification	3
WLD 178 Gas Tungsten Arc Welding (first 8 weeks)	3
WLD 179 Gas Tungsten Arc Welding II (second 8 weeks)	3

Total Hours for Certificate **41-42**

WELDING ELECTIVES

CAD 110 CAD/CAM Concepts	3
EWE 220 Cooperative Work Experience I	2
MTT 111 Machine Shop I	3
WLD 180 Robotics Welding I	3
WLD 299 Special Topics in Welding	1-6

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**GAS TUNGSTEN ARC WELDING
(Certificate) Plan 24WM**

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
MTH 114 Applied Mathematics I	3
WLD 113 Welding Blue Print Reading	3
WLD 170 General Welding	3
SECOND SEMESTER	9
WLD 171 Gas Welding Cutting and Brazing	3
WLD 178 Gas Tungsten Arc Welding (first 8 weeks)	3
WLD 179 Gas Tungsten Arc Welding II (second 8 weeks)	3

THIRD SEMESTER	6
WLD 117 Applied Fabricating and Processing	3
WLD 176 Welding Certification	3

Total Hours for Certificate **24**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**GAS METAL ARC WELDING
(Certificate) Plan 24WN**

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
MTH 114 Applied Mathematics I	3
WLD 113 Welding Blue Print Reading	3
WLD 170 General Welding	3

SECOND SEMESTER	3
WLD 175 Gas Metal Arc Welding	3

THIRD SEMESTER	6
WLD 176 Welding Certification	3
WLD 117 Applied Fabricating and Processing	3

Total Hours for Certificate **18**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**SHIELDED METAL ARC WELDING
(Certificate) Plan 24WO**

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
MTH 114 Applied Mathematics I	3
WLD 113 Welding Blue Print Reading	3
WLD 170 General Welding	3

SECOND SEMESTER	6
WLD 172 Shielded Metal Arc Welding (First 8 weeks)	3
WLD 174 Advanced Shielded Metal Arc Welding (Second 8 weeks)	3

THIRD SEMESTER	6
WLD 117 Applied Fabricating and Processing	3
WLD 176 Welding Certification	3

Total Hours for Certificate **21**

For more information on recommended courses or program specific advising, contact the Engineering, Math and Physical Science division at (847) 543-2044.

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

SCIENCE AND MATH



BIOLOGICAL SCIENCES

- Biological Sciences A.S.

CHEMISTRY

- Chemistry A.S.

EARTH SCIENCE

- Earth Science A.S.

GEOGRAPHY

- Geography A.A.

MATHEMATICS

- Mathematics A.S.

PHYSICS

- Physics A.S.



BIOLOGICAL SCIENCES

Biological and Health Sciences Division
Room B213 (847) 543-2042
www.clcillinois.edu/programs/bio

Degree: Associate in Science
Plan 11AB-BIO

(Agriculture/Crop Science, Biology, Botany, Cellular and Molecular Biology, Ecology, Microbiology, Natural Resource Management and Zoology)

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
BIO 161 *	General Biology I	4
CHM 121 *	General Chemistry I	5
ENG 121	English Composition I	3
PSY 121 **	Introduction to Psychology <i>or</i> other Social and Behavioral Sciences Elective	3

SECOND SEMESTER		15
BIO 162 *	General Biology II	4
CHM 123 *	General Chemistry II	5
ENG 122	English Composition II <i>or</i>	
ENG 126 **	Advanced Composition: Scientific and Technical Composition	3
MTH 123	Trigonometry	3

THIRD SEMESTER		16
CHM 222 *	Organic Chemistry I	5
MTH 145	Calculus and Analytical Geometry I	5
CMM 121	Fundamentals of Speech	3
HUM 127	Critical Thinking <i>or</i> other Humanities Elective	3

FOURTH SEMESTER		15
BIO 222	General Botany	4
CHM 223 *	Organic Chemistry II	5
ANT 221 **	Cultural Anthropology <i>or</i> other Social and Behavioral Science Elective	3
ART 121 **	Introduction to Art <i>or</i> other Fine Arts Elective	3

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* Some transfer institutions may accept sequential courses (I and II) only if both courses are taken. Check with transfer institution.

** Recommended course, but check with transfer institution.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S.). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty members or the Biological and Health Sciences Division at (847) 543-2042.

Mary Bonine | Kelly Cartwright
Jason Cashmore | Mark Coykendall
Kristi Dameron | Lakshmi Gollapudi
Marsha Hay | Kalyn Herzog | Shane Jones
Elisabeth Martin | Liz O'Grady
Bob Remedi | Jaenine Seitz
Cynthia Trombino | Carol Wismer

CHEMISTRY

Biological and Health Sciences Division
Room B213 (847) 543-2042
www.clcillinois.edu/programs/chm

Degree: Associate in Science
Plan 11AB-CHM

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		13
CLC 120 ^	College Success Seminar	[2]
CHM 121 *	General Chemistry I	5
ENG 121	English Composition I	3
MTH 145	Calculus and Analytical Geometry I	5

SECOND SEMESTER		16
CHM 123 *	General Chemistry II	5
ENG 122	English Composition II <i>or</i>	
ENG 126	Advanced Composition: Scientific and Technical Composition	3
MTH 146	Calculus and Analytical Geometry II	4
BIO 161 *	General Biology I	4

THIRD SEMESTER		16
CHM 222 *	Organic Chemistry I	5
PHY 121 *	General Physics I	5
CMM 121	Fundamentals of Speech	3
PSY 121 **	Introduction to Psychology <i>or</i> Social and Behavioral Sciences Elective	3

FOURTH SEMESTER		14
CHM 223 *	Organic Chemistry II <i>or</i>	
PHY 122 *	General Physics II	5
HUM 127 **	Critical Thinking <i>or</i> Humanities Elective	3
ART 121 **	Introduction to Art <i>or</i> Fine Arts Elective Social and Behavioral Science Elective	3

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* Some transfer institutions may accept sequential courses (I and II) only if both courses are taken. Check with transfer institution regarding the need to take PHY 122.

** Recommended course, but check with transfer institution.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty members or the Biological and Health Sciences Division at (847) 543-2042.

Ahmad Audi | Cheryl Kordik | Elbek Kurbanov
Adina Ott | Tara Simmons | Beth Wilson





EARTH SCIENCE

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/esc

Degree: Associate in Science
Plan 11AB-ESC

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		13-15
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
ESC 120	Earth Science	4
MTH 144	Precalculus <i>or</i>	
MTH 123	Trigonometry	3-5
ESC 129	Severe and Hazardous Weather	3
SECOND SEMESTER		16
ENG 122	English Composition II	3
MTH 145	Calculus and Analytic Geometry I	5
BIO 120	Environmental Biology	4
ESC 121	Physical Geology	4

THIRD SEMESTER		16
CMM 121	Fundamentals of Speech	3
	Fine Arts Elective	3
	Humanities Elective	3
	Social and Behavioral Science Elective	3
ESC 140	Introduction to Astronomy with LAB	4
FOURTH SEMESTER		13
ESC 127	Introduction to Meteorology with Lab	4
ESC 128	Great Mysteries of the Earth Humanities or Fine Arts Elective	3
	Social and Behavioral Science Elective	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty or the Engineering, Math and Physical Sciences Division at (847) 543-2044.

Ryan Cumpston | Eric Priest | Xiaoming Zhai

GEOGRAPHY

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcollinois.edu/programs/geg

**Degree: Associate in Arts
Plan 13AB-GEG**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		13-14
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition	3
GEG 120	Principles of Physical Geography	4
MTH 141	Quantitative Literacy <i>or</i>	
MTH 142	General Education Statistics <i>or</i>	
MTH 222	Business Statistics	3-4
	Life Science Elective*	3
SECOND SEMESTER		15
ENG 122	English Composition II	3
ANT 121	Introduction to Anthropology	3
ECO 221	Principles of Macroeconomics	3
HST 121	History of Western Civilization to 1500	3
GEG 122	Cultural Geography**	3

THIRD SEMESTER		15
CMM 121	Fundamentals of Speech	3
	Fine Arts Elective*	3
	Humanities Elective*	3
GEG 123	World Regional Geography**	3
HST 122	History of Western Civilization from 1500 **	3

FOURTH SEMESTER		15
	Humanities or Fine Arts Elective*	3
	Concentration Elective	3
	Concentration Elective	3
	Concentration Elective	3
	Concentration Elective	3

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

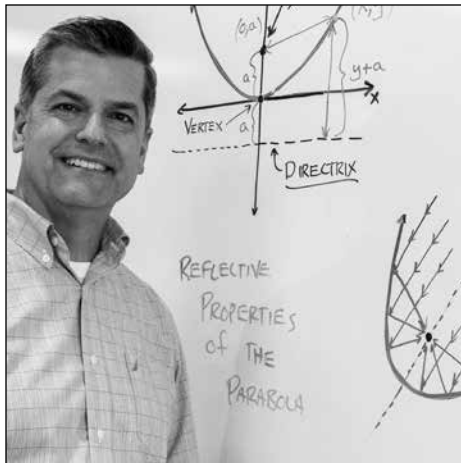
* See pages 40-41 for course selections

** Recommended area of concentration elective

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact faculty member Ty Liles at (847) 543-2670 or the Engineering, Math and Physical Sciences Division at (847) 543-2044.





MATHEMATICS

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/mth

**Degree: Associate in Science
Plan 11AB-MTH**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
MTH 145	Calculus and Analytic Geometry I	5
PHI 122	Logic	3
	Life Science Elective	4
SECOND SEMESTER		16-17
MTH 146	Calculus and Analytic Geometry II	4
MCS 140	Computer Programming I or	
MCS 141	Computer Science I	3-4
ENG 122	English Composition II or	
ENG 126	Advance Composition: Scientific and Technical Communication	3
	Social and Behavioral Sciences Elective	3
	Fine Arts Elective	3

THIRD SEMESTER		16
MTH 246	Calculus and Analytic Geometry III	5
MTH 227	Ordinary Differential Equations	3
PHY 123	Physics for Science and Engineering I	5
	Social and Behavioral Sciences Elective	3
FOURTH SEMESTER		15-17
CMM 121	Fundamentals of Speech	3
MCS 142	Computer Programming II	3
MTH 225	Linear Algebra or	
MTH 244	Discrete Mathematics	3
	Humanities and Fine Arts Elective	3
	Physical or Life Science Elective	3-5

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Note: Some students may require pre-calculus course work. Discussing your particular situation with a mathematics advisor is the best way to plan an appropriate program.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S.). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty or the Engineering, Math and Physical Sciences Division at (847) 543-2044.

Jeffrey Andrews | Mark Beintema
Kimberly Boyke | Donna Carlson
Natalia Casper | Jason Hasbrouck
Kim Hasbrouck | Laura Hobart
Byron Hunter | Saehan Hwang | Shyam Kurup
Jeffrey Mudrock | Annette Nehring
Gladys Poma | Scott Reed | William Rolli
Mark Smith | Jon Sprague | John Thomas
Stewart Thornburgh | Christopher Wyniawskij

PHYSICS

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcillinois.edu/programs/phy

Degree: Associate in Science
Plan 11AB-PHY

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		13
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition	3
MTH 145	Calculus and Analytic Geometry I	5
CHM 121	General Chemistry I	5
SECOND SEMESTER		16
ENG 122	English Composition II <i>or</i>	
ENG 126	Advanced Composition: Scientific and Technical Communications	3
	Life Science Elective (Choose from BIO 120L, BIO 123L, BIO 141L or BIO 161 L for BIO course with lab)	4
MTH 146	Calculus and Analytic Geometry II	4
PHY 123	Physics for Science and Engineers I	5

THIRD SEMESTER		16
CMM 121	Fundamentals of Speech	3
PHY 124	Physics for Science and Engineering II	5
MTH 246	Calculus and Analytic Geometry III	5
	Social Science Elective	3

FOURTH SEMESTER		15
MTH 227	Ordinary Differential Equations	3
MCS 140	Computer Programming Humanities or Fine Arts Elective	3
	Humanities or Fine Arts Elective (I/M)	3
	Social Science Elective	3

SUMMER SESSION		4
PHY 221	Physics for Science and Engineering III	4

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

Note: This plan includes **recommendations** for students who plan to major in this subject at a four year school. Students who follow this plan will meet the requirements of a general transfer degree (A.A. or A.S). The CLC degree earned will be a general transfer degree, not a degree in this specific area of study.

For more information on recommended courses or program specific advising, contact the following faculty or the Engineering, Math and Physical Sciences Division at (847) 543-2044.

Ana Mazilu



SUSTAINABILITY AND HORTICULTURE



HORTICULTURE

- Horticulture A.A.S.
 - Arboriculture Certificate
 - Horticulture Production Certificate
 - Landscape Construction and Maintenance Certificate
 - Landscape Design Certificate
 - Natural Areas Management Certificate
 - Sustainable Agriculture Certificate

SUSTAINABILITY PROGRAMS

- Sustainability (Policy and Social Aspects) A.S.
- Sustainability (Science and Technical Aspects) A.S.

HORTICULTURE

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/hrt

The field of horticulture is evolving quickly to address current sustainability issues, whether in plant production, landscape design, or construction and management. The CLC Horticulture program has incorporated sustainability topics across its curriculum to better prepare students for employment in the green industry. Graduates enter a range of employment including local landscape companies, environmental consulting firms, municipalities and park districts, public land management agencies and entrepreneurial ventures.

A.A.S. degree students must complete fifteen hours of General Education courses from those listed on page 53 plus 5 credits of additional courses, and also 28 credit hours of horticultural core courses and 12 credit hours of elective AGR/ HRT coursework. Graduates entering the field must be well-versed in basic botany, plant identification and care, soil science, entomology, plant pathology and business. These courses are included in the core requirements. Focusing the elective coursework allows students to develop skills in one of 6 areas of study: landscape design, landscape construction and maintenance, arboriculture, horticulture production, sustainable agriculture or natural areas management.

Horticulture students also may choose a certificate, which is a specific combination of 18-19 credit hours within a given specialty area. This option is well-suited for students who wish to enter the job market quickly, enhance their skills in a specific area for career advancement, or redirect their previous professional training for a new career. Students may select from certificate programs in: landscape design, landscape construction and maintenance, arboriculture, horticulture production, sustainable agriculture, and natural areas management.

To expand the skill set for employment, a number of certificates can be stacked to provide a dual certificate of complimentary topics for 27-30 total credits.

HORTICULTURE

**Degree: Associate in Applied Science,
Horticulture
Plan 21HU**

Students desiring a specialty within their degree can opt to take specific certificate courses for their electives, effectively layering in a certificate to their A.A.S. degree.

To complete an A.A.S., students are **strongly encouraged** to meet with the department chair to identify coursework that will meet degree requirements.

FIRST SEMESTER 15-16

CLC 120 ^	College Success Seminar	[2]
BIO 120	Environmental Biology <i>or</i>	
CHM 142	Chemistry for a Changing World <i>or</i>	
	Other Science or Math elective	3-4
ENG 121	English Composition I	3
HRT 121*	Introduction to Horticulture	3
HRT 125	Tree and Shrub Identification	3
	HRT or AGR elective	3

SECOND SEMESTER 16

BIO 222	General Botany	4
HRT 127	Perennials, Annuals and Weeds	3
HRT 162	Sustainable Landscape Management	3
	HRT or AGR elective	3
	Humanities or Fine Arts elective	3

THIRD SEMESTER 16

CMM 121	Fundamentals of Speech	3
HRT 124	Introduction to Soils	4
HRT 126	Entomology	3
	HRT or AGR elective	3
	Social Science Elective	3

FOURTH SEMESTER 13

HRT 129	Plant Pathology	3
HRT 225	Green Business and Entrepreneurship	3
HRT 280*	Horticulture Practicum	3
	HRT or AGR elective	3

EWE 120	Job Readiness Skills	1
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Total Hours for A.A.S. Degree 60-61

* Also offered during the summer session.

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.



For more information and for program specific advising, contact Rory Klick at (847) 543-2320, rklick@clcillinois.edu or the Biological and Health Sciences Division at (847) 543-2042.

Continued on next page.

**LANDSCAPE DESIGN
(Certificate) Plan 21HD**

Design majors are prepared for entry-level positions with landscape firms and become versed with all phases of the landscape planning process from site analysis to design to installation. Students are trained in both hand-drawing and computer graphics, and develop designs for a variety of residential, commercial and public sites.

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
HRT 125 Tree and Shrub Identification	3
HRT 140 Landscape Graphics	3
HRT 260 Landscape Construction	3
SECOND SEMESTER	9
HRT 127 Perennials, Annuals and Weeds	3
HRT 240 Landscape Design	3
HRT 245 Computer Landscape Design	3
Total hours for Certificate	18

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**LANDSCAPE CONSTRUCTION AND
MAINTENANCE
(Certificate) Plan 21HH**

The construction and maintenance specialty is ideal for those interested in work as landscape contractors, either for landscape firms or as entrepreneurs. Students take the general horticulture coursework plus relevant specialty courses such as landscape maintenance and entrepreneurship.

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
HRT 121* Introduction to Horticulture	3
HRT 125 Tree and Shrub Identification	3
HRT 260 Landscape Construction	3
SECOND SEMESTER	9
HRT 127 Perennials, Annuals and Weeds	3
HRT 162 Sustainable Landscape Management	3
HRT 225 Green Business and Entrepreneurship	3
Total hours for Certificate	18

*Also offered during the summer session.

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**ARBORICULTURE
(Certificate) Plan 21HL**

Arboriculture and urban forestry management involve caring for the health and functional well being of trees. Tree resources are critical not only for shade and beauty, but for the ability to sequester carbon and help offset climate change effects. Coursework prepares students for work in a range of tree care industry careers.

FIRST SEMESTER	9
CLC 120 ^ College Success Seminar	[2]
HRT 121* Introduction to Horticulture	3
HRT 125 Tree and Shrub Identification	3
HRT 126 Entomology	3
SECOND SEMESTER	9
HRT 129 Plant Pathology	3
HRT 162 Sustainable Landscape Management	3
HRT 265 Urban Forestry Management	3

*Also offered during the summer session.

Total hours for Certificate 18

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

**HORTICULTURE PRODUCTION
(Certificate) Plan 21HV**

This program of study is geared for students wanting to grow plants, primarily ornamental and native plants for the landscape industry. Students gain exposure to a variety of growing situations, including greenhouse, high tunnel and nursery production applications. Coursework includes organic and sustainable production options as well as propagation methods.

FIRST SEMESTER (FALL)	7
CLC 120 ^ College Success Seminar [2]	
HRT 121* Introduction to Horticulture	3
HRT 124 Introduction to Soils	4
SECOND SEMESTER (SPRING)	9
HRT 127 Perennials, Annuals and Weeds	3
HRT 221 Plant Propagation	3
HRT 222 Greenhouse Crop Production and Management	3
THIRD SEMESTER (FALL)	3
HRT 228 Nursery Production	3
Total hours for Certificate	19

*Also offered during the summer session.

^ The credit for **CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

**SUSTAINABLE AGRICULTURE
(Certificate) Plan 21HT**

Sustainable agriculture is an emerging specialty field that is growing quickly as we seek to find economically viable ways to maintain farm land and sustainable ways to support local food production. Students will take a variety of hands-on courses in such topics as permaculture, extended season production, and seasonal fruit and vegetable production. Graduates are prepared for work as skilled farm laborers and managers or for entry into entrepreneurial support programs like the Farm Business Development Center.

FALL SEMESTER	10
CLC 120 ^ College Success Seminar [2]	
AGR 121 Introduction to Sustainable Agriculture	3
HRT 121* Introduction to Horticulture	3
HRT 124 Introduction to Soils	4
SPRING SEMESTER	9
AGR 122 Sustainable Food Crop Production Methods	3
HRT 221 Plant Propagation	3
HRT 225 Green Business and Entrepreneurship	3
Total hours for Certificate	19

* Also offered during the summer session.

^ The credit for **CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

**NATURAL AREAS MANAGEMENT
(Certificate) Plan 21HQ**

Natural areas management is the practice of land restoration using the scientific principles of restoration ecology and conservation biology. Regional ecology of prairie, savanna, woodland and wetland ecosystems is emphasized. Students will gain experience in floristic identification and monitoring, landscape assessment, and practices of land management such as invasive species control and prescribed burning. Course-work includes extensive field trips and work in various field situations.

FALL SEMESTER	7
CLC 120 ^ College Success Seminar [2]	
BIO 120 Environmental Biology	4
HRT 125 Tree and Shrub Identification	3
SPRING SEMESTER	8
BIO 126 Local Flora	2
HRT 162 Sustainable Landscape Management	3
HRT 225 Green Business and Entrepreneurship	3
FALL SEMESTER	3
HRT 286 Natural Areas Management	3
Total hours for Certificate	18

^ The credit for **CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

JOINT CERTIFICATE OPTIONS

Certain certificates may be combined to provide a complimentary skill sets that broadens employment options for the student.

- Design + Construction & Maintenance
- Construction and Maintenance + Arboriculture
- Construction and Maintenance + Natural Areas management
- Arboriculture + Natural Areas Management
- Horticulture Production + Sustainable Agriculture

For further details on these dual-certificate plans, please contact the department chair for advising.



SUSTAINABILITY PROGRAMS

Engineering, Math and Physical Sciences
Division Room T302, (847) 543-2044

Sustainability programs provide a broad understanding of the natural world and how it relates to the built environment. Subject matter ranges from horticulture and environmental sciences to construction and engineering, including instruction on the LEED (Leadership in Energy and Environmental Design) Accredited Professional certification. Coursework prepares students for a wide range of occupations related to sustainability, as well as presents fundamental knowledge of environmental issues applicable to contemporary lifestyle and workforce trends.

SUSTAINABILITY (POLICY AND SOCIAL ASPECTS)

Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044
www.clcollinois.edu/programs/sus

**Degree: Associate in Arts
Plan 13AB-SUS**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition	3
ESC 128	Great Mysteries of the Earth	3
	Fine Arts Elective	3
	Math Elective (Recommend MTH 142 Statistics as a minimum)	3
PSY 121	Introduction to Psychology	3
SECOND SEMESTER		16
BUS 121*	Introduction to Business	3
ENG 122	English Composition II	3
ESC 127 *	Introduction to Meteorology with Lab	4
	Humanities or Fine Arts Elective	3
PHI 125	Introduction to Ethics	3

THIRD SEMESTER		14
CMM 121	Fundamentals of Speech	3
CHM 140	Chemistry for a Changing World with Lab	4
ESC 121 *	Physical Geology	4
PSC 121 *	American National Politics	3

FOURTH SEMESTER		15
ANT 222	Introduction to Physical Anthropology	3
BIO 140	Environmental Biology without Lab	3
ECO 222 *	Principles of Microeconomics	3
ESC 224 *	Environmental Geology	3
SOC 222	Social Problems	3

*** AREA OF CONCENTRATION/ELECTIVE REQUIREMENTS**

Strongly Recommended:

ECO 222	Principles of Microeconomics	3
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Recommended Courses:

BUS 121	Introduction to Business	3
ESC 121	Physical Geology	4
ESC 123	Introduction to Meteorology <i>or</i>	
ESC 127	Introduction to Meteorology with lab	3-4
ESC 224	Environmental Geology	3
GEG 120	Principles of Physical Geography	3
PSC 121	American National Politics	3

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

SUSTAINABILITY (SCIENCE AND TECHNICAL ASPECTS)

Degree: Associate in Science Plan 11AB-SAH

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
CHM 121	General Chemistry I	5
ENG 121	English Composition	3
ESC 121	Physical Geology	4
PHI 125	Introduction to Ethics	3

SECOND SEMESTER		14
CHM 123	General Chemistry II	5
ENG 122	English Composition II	3
HUM 127	Critical Thinking	3
HRT 286	Natural Areas Management	3

THIRD SEMESTER		15
BIO 161	General Biology I	4
CMM 121	Fundamentals of Speech	3
ESC 224	Environmental Geology	3
MTH 145	Calculus and Analytical Geometry I	5

FOURTH SEMESTER		15
ANT 222	Introduction to Physical Anthropology	3
BIO 162	General Biology II	4
MTH 146	Calculus and Analytical Geometry II	4
SOC 222	Social Problems	3

AREA OF CONCENTRATION/ELECTIVE REQUIREMENTS

Strongly Recommended:

BIO 162	General Biology II	4
CHM 123	General Chemistry II	5

Recommended Courses:

ESC 121	Physical Geology	4
ESC 224	Environmental Geology	3
GEG 120	Principles of Physical Geography	3
PHY 121	General Physics I	5

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, contact Engineering faculty member Ryan Cumpston at (847) 543-2491 or the Engineering, Mathematics and Physical Sciences Division at (847) 543-2044.

WELLNESS AND HEALTH SCIENCES



DENTAL HYGIENE

- Dental Hygiene A.A.S.

HEALTH AND WELLNESS

- Health and Wellness Promotion A.A.S.
 - Health and Wellness Coaching Certificate
 - Personal Training Certificate

HEALTH INFORMATION TECHNOLOGY

- Health Information Technology A.A.S.
 - Medical Billing Specialist Certificate

KINESIOLOGY

- Kinesiology: Exercise Science Focus A.S.
- Kinesiology: Physical Education Focus A.A.

MASSAGE THERAPY

- Massage Therapy Certificate

MEDICAL ASSISTING

- Medical Assisting A.A.S.
 - Healthcare Office Assistant Certificate
 - Medical Assisting Certificate

MEDICAL IMAGING

- Medical Imaging A.A.S.
 - Computed Tomography Certificate
 - Magnetic Resonance Imaging Certificate

NURSING

- Nursing A.A.S.
- Nursing Assisting Certificate

PHARMACY TECHNICIAN

- Pharmacy Technician Certificate

PHLEBOTOMY TECHNICIAN

- Phlebotomy Technician Certificate

PRE-DENTISTRY

- Pre-Dentistry A.A.

PRE-MEDICINE

- Pre-Medicine A.A.

PRE-OCCUPATIONAL THERAPY

- Pre-Occupational Therapy A.A.

PRE-PHARMACY

- Pre-Pharmacy A.A.

PRE-PHYSICAL THERAPY

- Pre-Physical Therapy A.S.

PRE-VETERINARY MEDICINE

- Pre-Veterinary Medicine A.A.

SURGICAL TECHNOLOGY

- Surgical Technology A.A.S. and Certificate

YOGA

- Yoga Certificate

DENTAL HYGIENE

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/dhy

**Degree: Associate in Applied Science,
Dental Hygiene
Plan 21DH**

This is a Limited Enrollment program.
DHY courses are only offered during the day.

Students are required to meet the screening requirements in effect at the time of screening. Students who screen and are accepted into a limited enrollment program will be required to complete the curriculum that is in place at the time of entrance into the program. If students who screen are not granted admission, they must rescreen and satisfy all screening and curriculum requirements in place for a future program start. See page 30 for more information about the CAREERS agreement.

**SCREENING DEADLINE:
FIRST WEDNESDAY IN FEBRUARY**

Dental hygienists are licensed professionals who provide oral health assessment, disease prevention, and health promotion. They are vital members of a dental health team. They serve individuals and families within the community. The Dental Hygiene program at the College of Lake County prepares students to develop the competencies needed to provide preventive oral health care services to the community. The Dental Hygiene program has been granted accreditation status by the Commission on Dental Accreditation.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

The number of students that can be admitted to the Dental Hygiene program is limited; therefore, a screening procedure is used to select the academically best qualified from those who request consideration. Preference is given to residents of CLC's district, or a community college district which does not offer a Dental Hygiene program and is a member of the CAREER consortium. Students who live outside of CLC's district but are eligible for in-district tuition because they are employed by a district employer are NOT considered residents of the district for purposes of selection into the program. Attendance at a Program Information Session is required to apply to the program and to learn other specifics of the application process.

**STUDENTS MUST HAVE SUBMITTED
THE FOLLOWING DOCUMENTS TO THE
WELCOME AND ONE-STOP CENTER:**

- A. Student Information Form
- B. **Official** high school transcript with graduation date
OR
Official GED test scores
OR
Official college transcripts with graduation date and degree awarded
OR
Official foreign high school or college transcript evaluated by a NACES approved agency
- C. Dental Hygiene Program Request for Screening Form
- D. If using courses from another college to meet prerequisites or degree requirements, submit an official transcript and a "Request for Evaluation of Prior College Transcripts" form to the Office of Registrar and Records.
- E. Dental Setting Observation and Reflection Essay

**MINIMUM SELECTION CRITERIA:
STUDENT RECORDS MUST INDICATE
THE FOLLOWING:**

- A. College Reading and Writing Readiness and Basic Algebra Readiness
- B. CLC Cumulative GPA is 2.0 or above
- C. BIO 123 or BIO 161 or an equivalent (C or better)
- D. CHM 120 or CHM 121 or an equivalent course (C or better)
- E. BIO 244 or an equivalent course (C or better)
- F. NLN PAX with minimum acceptable RN percentile rank scores of 30 in the verbal, math and science sections, and a composite percentile of 40 (within 3 years prior to the screening deadline)
- G. Must be eighteen (18) years of age by the first day of the summer session following the screening deadline
- H. Attendance at a Dental Hygiene Program Information Session (within 2 years of the screening deadline)

Note: If BIO 244 AND BIO 246 (or equivalent) are completed at another accredited college with a grade of "C" or better, BIO 123 will not be required.

Continued on next page.



WELLNESS AND HEALTH SCIENCES PROGRAMS

Note: Applicants may take the NLN PAX exam once every 90 days (approximately three months). NLN PAX exam results that are less than 90 days between exams will not be considered. Scores used for screening into the dental hygiene program will be valid for only 3 years prior to a screening deadline. Scores older than 3 years will not be considered for screening. A valid Social Security Number is required to acquire the state license, and may be needed for background checks and/or clinical locations. For available test dates and times and instructions for registering for the NLN test visit www.clcillinois.edu/programs/dhy.

Students who have completed any of the following courses (or an equivalent) must have obtained a grade of "C" or better. These courses are not prerequisites, but program requirements. They may be taken prior to acceptance into the program.

- **BIO 245** Anatomy and Physiology II
Must be completed before the first fall semester of the program
- **BIO 246** Microbiology
Must be completed before the first spring semester of the program. If this course is taken during the first fall semester of the program, it must be taken as an evening class.
- **ENG 121** English Composition I
Must be completed before the first fall semester in the program.

Note: A student must earn a minimum grade of "C" in each Dental Hygiene course to continue in and graduate from the program. All course prerequisites must be met.

GENERAL EDUCATION & REQUIRED COURSEWORK 38

FALL		15
CLC 120 ^	College Success Seminar [2]	
	<i>Must be completed before the first fall semester of the program.</i>	
ENG 121	English Composition I	3
	<i>Must be completed before the first fall semester of the program.</i>	
BIO 123	Principles of Biology or	
BIO 161	General Biology I	4
CHM 120	Chemical Concepts or	
CHM 121	General Chemistry I	5
	Humanities or Fine Arts Elective	3
SPRING		14
BIO 244	Anatomy and Physiology I	4
BIO 246*	Microbiology	4
	<i>Must be completed before the spring semester of the program. If this course is taken during the first fall semester of the program, it must be taken as an evening class.</i>	
CMM 111	Communication Skills or	
CMM 121	Fundamentals of Speech or	
CMM 123	Dynamics of Small Group Discussion or	
CMM 128	Interviewing Practices	3
PSY 121	Introduction to Psychology	3
SUMMER		7
BIO 245	Anatomy and Physiology II	4
	<i>Must be completed before the first fall semester of the program.</i>	
SOC 121	Introduction to Sociology	3

REQUIRED DENTAL HYGIENE COURSEWORK 56

FIRST SEMESTER		12
DHY 111	Preclinic Theory and Practice of Dental Hygiene	2
DHY 113	Preclinical Dental Hygiene	2
DHY 115	Head and Neck Anatomy	2
DHY 117	Dental Anatomy	2
DHY 131	Oral Histology and Embryology	2
DHY 171	Preventive Dental Hygiene	2

SECOND SEMESTER 13

DHY 112	Theory and Practice of Dental Hygiene I	2
DHY 114	Clinical Dental Hygiene I	2
DHY 116	Dental Radiology I	3
DHY 119	Nutrition and Biochemistry	2
DHY 174	Introduction to Periodontics	2
DHY 175	Dental Pharmacology and Anesthetics	2

SUMMER SESSION 8

DHY 132	Theory and Practice of Dental Hygiene II	1
DHY 134	Pain Management	2
DHY 176	Dental Materials and Expanded Function	3
DHY 179	Clinical Dental Hygiene II	2

THIRD SEMESTER 14

DHY 211	Theory and Practice of Dental Hygiene III	2
DHY 213	Clinical Dental Hygiene III	4
DHY 215	Dental Radiology II	2
DHY 219	Advanced Periodontics	2
DHY 232	General and Oral Pathology	2
DHY 271	Community Dentistry I	2

FOURTH SEMESTER 9

DHY 212	Theory and Practice of Dental Hygiene IV	2
DHY 214	Clinical Dental Hygiene IV	4
DHY 216	Ethics and Jurisprudence	1
DHY 231	Board Review and Licensure	1
DHY 272	Community Dentistry II	1

Total Hours for A.A.S. Degree 92

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Note: This program is based at the Lakeshore Campus in Waukegan, however, non-DHY courses may be offered only at the Grayslake Campus.

For more information on recommended courses or program specific advising, contact the following faculty members or the Biological and Health Sciences division at (847) 543-2042:

Kim Aichele | Mary Jacobs

HEALTH AND WELLNESS PROMOTION

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/hwp

The focus of the A.A.S. in Health and Wellness Promotion (HWP) is to empower students to help others through prevention of illness, injury, and disease by effective application of principles and practices of holistic coaching. It also provides an opportunity for various health career certificate-seeking students to continue their education in a general health studies capacity and earn an associates degree. Successful completion of this program will prepare students for advanced certifications through the American College of Sports Medicine, National Board for Health and Wellness Coaching (NBHWC), and others.

The associate degree program is accredited by the National Wellness Institute and the associate degree program (health and wellness coaching option) is approved by the National Board for Health and Wellness Coaching (NBHWC). Graduates who meet other basic requirements are permitted to sit for the national board certification examination and may earn status as a National Board Certified Health and Wellness Coach (NBC-HWC). This board-level credential is offered through a partnership between the NBHWC and the National Board of Medical Examiners (NBME). Graduates of the A.A.S. in HWP who also possess a B.S./B.A. degree in any discipline qualify to receive the designation, Certified Wellness Practitioner (CWP) through NWI.

Note: Day and evening classes are available. The HWP program is not a limited-enrollment program.

Students are **strongly encouraged** to attend an information session to learn more about the program.

HEALTH AND WELLNESS PROMOTION: EXERCISE SCIENCE OPTION

Degree: Associate in Applied Science,
**Health and Wellness Promotion:
Exercise Science Option
Plan 21WA**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
HWP 257	Health and Wellness Practicum I	1
KIN 221	Introduction to Physical Education or Other elective	3
KIN 243	Theory and Practice of Fitness	2
HWP 240	Contemporary Health Issues	3
PSY 121	Introduction to Psychology	3
ENG 120	Technical Composition I or	
ENG 121	English Composition I	3
SECOND SEMESTER		15
KIN 270	Biomechanics and Kinesiology	3
KIN 271	Exercise Physiology	3
HWP 260	Sport and Exercise Nutrition	3
CMM 111	Communication Skills or	
CMM 121	Fundamentals of Speech or	
CMM 123	Dynamics/Small Group Discussion	3
KIN 242	Philosophy of Coaching or Other elective	3
THIRD SEMESTER		14
KIN 272	Exercise Testing and Prescription	3
HWP 280	Introduction to Complementary and Integrative Health Care	3
HWP 290	Principles of Wellness Coaching	3
KIN 121	Individual Activities: Strength Training or Other elective	1
BIO 111	Human Form and Function or	
BIO 244*	Anatomy and Physiology I	4
FOURTH SEMESTER		16
HWP 258	Health and Wellness Practicum II	1
KIN 228	First Aid/CPR	2
BUS 121	Introduction to Business	3
PHI 121	Introduction to Philosophy or	
PHI 125	Introduction to Ethics	3
HWP 299	Special Topics: Personal Wellness or Other elective	3
KIN 220	Physical Education in the Elementary Schools or Other elective	3
KIN 160	Individual Activities: Yoga or Other elective	1
FIFTH SEMESTER		0-4
BIO 245*	Anatomy and Physiology II (If taking the BIO 244/245 sequence)	4
Total Hours for A.A.S. Degree		60-64

* Preferred courses for students planning to transfer to a 4-year institution. BIO 244 must be taken with BIO 245 in lieu of BIO 111. (NOTE: BIO 244 has a prerequisite of BIO 123 or BIO 161).



^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

ELECTIVES

Students are to complete 25 credits of electives within their specialty option. When it is stated "or other elective" the suggested elective is listed, however, many other electives may count towards this requirement. Please see a faculty advisor for more information.

Continued on next page.

**HEALTH AND WELLNESS
PROMOTION: MASSAGE
THERAPY OPTION**

**Degree: Associate in Applied Science,
Health and Wellness Promotion:
Massage Therapy Option
Plan 21WA**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	11
CLC 120 ^ College Success Seminar [2]	
HWP 257 Health and Wellness Practicum II	1
MAS 119 Introduction to Massage Therapy	1
BIO 111 Human Form and Function or	
BIO 244* Anatomy and Physiology I	4
KIN 228 First Aid/CPR	2
HWP 240 Contemporary Health Issues	3

SECOND SEMESTER	14
MAS 110 Massage Structure and Functions I	2
MAS 112 Kinesiology and Palpation I	2
MAS 114 Massage: Communication and Business I	3
MAS 116 Clinical Skills and Special Populations	3
MAS 131 Massage Therapy I: Swedish	2
MAS 132 Massage Therapy II: Integrative	2

THIRD SEMESTER	12
MAS 210 Massage Structure and Functions I	2
MAS 212 Kinesiology and Palpation II	2
MAS 214 Massage: Communication and Business II	3
MAS 233 Massage Therapy III: Rehabilitative	2
MAS 234 Massage Therapy IV: Advanced Techniques	2
MAS 235** Therapeutic Massage Clinic	1

FOURTH SEMESTER	15
ENG 120 Technical Composition or	
ENG 121 English Composition I	3
HWP 260 Sport and Exercise Nutrition	3
HWP 280 Introduction to Complementary and Integrative Health Care	3
HWP 290 Principles of Wellness Coaching	3
CMM 111 Communication Skills or	
CMM 121 Fundamentals of Speech or	
CMM 123 Dynamics/Small Group Discussion	3

FIFTH SEMESTER	10-14
HWP 258 Health and Wellness Practicum II	1
PHI 121 Introduction to Philosophy or	
PHI 125 Introduction to Ethics	3
BUS 121 Introduction to Business	3
PSY 121 Introduction to Psychology	3
BIO 245* Anatomy and Physiology II (If taking the BIO 244/245 sequence)	0-4

Total Hours for A.A.S. Degree 60-64

* Preferred courses for students planning to transfer to a 4-year institution. BIO 244 must be taken with BIO 245 in lieu of BIO 111. (NOTE: BIO 244 has a prerequisite of BIO 123 or BIO 161).

** Each specialty option requires 25 credit of electives. For the MAS certificate, MAS 235 is required; for the A.A.S. MAS 235 is recommended.

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

**HEALTH AND WELLNESS
PROMOTION: HEALTH AND
WELLNESS COACHING OPTION**

**Degree: Associate in Applied Science,
Health and Wellness Promotion:
Health and Wellness Coaching Option
Plan 21WA**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	13
CLC 120 ^ College Success Seminar [2]	
HWP 257 Health and Wellness Practicum I	1
KIN 242 Philosophy of Coaching	3
HWP 240 Contemporary Health Issues	3
KIN 221 Introduction to Physical Education or Other elective	3
ENG 120 Technical Composition or	
ENG 121 English Composition I	3

SECOND SEMESTER	15
HWP 260 Sport and Exercise Nutrition	3
HWP 280 Introduction to Complementary and Integrative Health Care	3
HWP 290 Principles of Wellness Coaching	3

CMM 111 Communication Skills or	
CMM 123 Dynamics/Small Group Discussion	3
PSY 121 Introduction to Psychology	3

THIRD SEMESTER	16
HWP 299 Special Topics: Health and Wellness Promotion	3
HIT 111 Medical Terminology or other elective	3
CMM 128 Interviewing Practices	3
BIO 111 Human Form and Function or	
BIO 244* Anatomy and Physiology I	4
BUS 121 Introduction to Business	3

FOURTH SEMESTER	14
HWP 258 Health and Wellness Practicum II	1
KIN 228 First Aid/CPR	2
PHI 121 Introduction to Philosophy or	
PHI 125 Introduction to Ethics	3
PSY 224 Theories of Personality	3
CMM 127 Intercultural Communication or Other elective	3
ANT 121 Introduction to Anthropology or Other elective	3
KIN 160 Yoga I	1

FIFTH SEMESTER	4
BIO 245* Anatomy and Physiology II (If taking the BIO 244/245 sequence)	4

Total Hours for A.A.S. Degree 60-64

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* Preferred courses for students planning to transfer to a 4-year institution. BIO 244 must be taken with BIO 245 in lieu of BIO 111. (NOTE: BIO 244 has a prerequisite of BIO 123 or BIO 161).

ELECTIVES
Students are to complete 25 credits of electives within their specialty option. When it is stated "or other elective" the suggested elective is listed, however, many other electives may count towards this requirement. Please see an Academic Success Advisor or a faculty advisor for more information.

For more information on recommended courses or program specific advising, please contact department chair Joana Pabedinskas at (847) 543-2029 or the Biological and Health Sciences Division at (847) 543-2042.

HEALTH AND WELLNESS COACHING

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/hwp

HEALTH AND WELLNESS COACHING (Certificate) Plan 21WC

The Health and Wellness Coaching certificate program is designed to provide students with the knowledge, skills, and abilities required to serve as a health and wellness coach. Successful completion of the required coursework will assist students in obtaining entry-level employment. It will also enable students to utilize a coaching approach in other professional and personal capacities. Many healthcare employers find job candidates who are cross-trained in health and wellness coaching to be highly desirable. The certificate program is approved by the National Board for Health and Wellness Coaching (NBHWC). Graduates who meet other basic requirements are permitted to sit for the national board certification examination and may earn status as a National Board Certified Health and Wellness Coach (NBC-HWC). This board-level credential is offered through a partnership between the NBHWC and the National Board of Medical Examiners (NBME).

FIRST SEMESTER	10
CLC 120 ^ College Success Seminar	[2]
HWP 240 Contemporary Health Issues	3
HWP 257 Health and Wellness Practicum I	1
KIN 242 Philosophy of Coaching	3
HWP 290 Principles of Wellness Coaching	3
SECOND SEMESTER	7
HWP 258 Health and Wellness Practicum II	1
CMM 128 Interviewing Practices	3
PSY 121 Introduction to Psychology	3
Total Hours for Certificate	17

^ The credit for **CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, please contact department chair Joana Pabedinskas at (847) 543-2029 or the Biological and Health Sciences Division at (847) 543-2042.





**HEALTH AND WELLNESS:
PERSONAL TRAINING**
Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/hwp

**PERSONAL TRAINING
(Certificate) Plan 21WB**

The Personal Training certificate program is designed to provide students with the knowledge, skills, and experience necessary to seek out and maintain viable employment in the health and fitness industry. Curricula are aligned with the American College of Sports Medicine (ACSM) Certified Personal Trainer (CPT) Program. Students will also be encouraged to take the ACSM-CPT examination upon successful completion of program coursework.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
HWP 257 Health and Wellness Practicum I	1
HWP 260 Sport and Exercise Nutrition	3
KIN 243 Theory and Practice of Fitness	2
KIN 270 Biomechanics and Kinesiology	3
KIN 271 Exercise Physiology	3
SECOND SEMESTER	13
KIN 272 Exercise Testing and Prescription	3
HWP 258 Health and Wellness Practicum II	1
KIN 228 First Aid/CPR	2
HWP 240 Contemporary Health Issues	3
BIO 111 Human Form and Function or	
BIO 244* Anatomy and Physiology I	4
THIRD SEMESTER	4
BIO 245* Anatomy and Physiology II	4

* These are preferred courses for students planning to transfer to a 4 year institution.

Total Hours for Certificate **25-29**

^ The credit for **CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* Preferred courses for students planning to transfer to a 4-year institution. BIO 244 must be taken with BIO 245 in lieu of BIO 111. (Note: BIO 244 has a prerequisite of BIO 123 or BIO 161.)

For more information on recommended courses or program specific advising, please contact department chair Joana Pabedinskas at (847) 543-2029 or the Biological and Health Sciences Division at (847) 543-2042.

HEALTH INFORMATION TECHNOLOGY

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/hit

**Degree: Associate in Applied Science,
Health Information Technology
Plan 21HM**

This is a limited enrollment program. Students are required to meet the screening requirements in effect at the time of screening. Students who screen and are accepted into a limited enrollment program will be required to complete the curriculum that is in place at the time of entrance into the program. If students who screen are not granted admission, they must rescreen and satisfy all screening and curriculum requirements in place for a future program start. See page 30 for more information about the CAREERS agreement.

SCREENING DEADLINE: FIRST WEDNESDAY IN FEBRUARY

The field of health information provides a wide variety of professional opportunities in the health care industry. Health information is a unique profession that incorporates clinical, information technology and management skills, giving graduates the background to work in a range of health care settings. Courses in medical terminology, anatomy and physiology, and medical science lay the foundation for the program, which focuses on collecting, maintaining, retrieving, and analyzing the health information of patients. Students also learn the legal aspects of health information, statistics, coding and reimbursement methods, health care quality improvement techniques, as well as health records management.

Graduates of CLC's Health Information Technology Program include coding professionals, health information department managers, cancer registrars, nursing home consultants, clinical documentation specialists, medical billers, and medical office managers, among others. Work settings include hospitals, physicians' offices, clinics, insurance companies, professional associations, nursing homes, and medical billing services.

For students interested in health care, but not direct patient care, health information technology prepares students for a satisfying and rewarding career in health care and related fields.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

ACCREDITATION AND CERTIFICATION

The Health Information Technology Program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). Graduates of the program are eligible to apply to write for the certification examination of the American Health Information Management Association for the designation RHIT (Registered Health Information Technician).

ADMISSION TO THE PROGRAM

Many courses are available in the evening; however, to complete the degree some day-only classes are required.

Interested students may take HIT 111, 113, 115, 117, 119, 131, 132, 171, 215 and 271 prior to being admitted to the program; however, the number of students admitted to the Professional Practice Experience (HIT 212 and HIT 213) each year is limited. Therefore, a screening procedure is used to select the academically best qualified from those who request consideration. Preference is given to residents of CLC's district, or a community college district which does not offer a Health Information Technology program and is a member of the CAREER consortium. Students who live outside of CLC's district but are eligible for in-district tuition because they are employed by a district employer are NOT considered residents of the district for purposes of selection into the program. Students should seek admission to the Health Information Technology Program the year prior to enrolling in HIT 212. (e.g., If you expect to take HIT 212 in Fall 2023, apply by February 2022.) If you are accepted into the program and do not enroll in HIT 212 as scheduled, CLC will attempt to accommodate the schedule change but there is no guarantee you will be permitted to enroll in HIT 212 in subsequent years. Please review the admission requirements that are listed below.

To be considered for admission to the Health Information Technology Program, students must complete the following screening requirements prior to the screening deadline.

Continued on next page.



STUDENTS MUST HAVE SUBMITTED THE FOLLOWING DOCUMENTS TO THE WELCOME AND ONE-STOP CENTER:

- A. Student Information Form
- B. **Official** high school transcript with graduation date
OR
Official GED test scores
OR
Official college transcripts with graduation date and degree awarded
OR
Official foreign high school or college transcript evaluated by a NACES approved agency
- C. Health Information Technology Program Request for Screening Form
- D. If using courses from another college to meet prerequisites or degree requirements, submit an official transcript and a "Request for Evaluation of Prior College Transcripts" form to the Office of Registrar and Records.

MINIMUM SELECTION CRITERIA: STUDENT RECORDS MUST INDICATE THE FOLLOWING:

- A. High school graduate or equivalent or high school senior in last term
- B. College Reading and Writing Readiness and Basic Algebra Readiness
- C. CLC Cumulative GPA is 2.0 or above
- D. NLN PAX with minimum composite RN percentile rank of 50 (within 3 years prior to the screening deadline)
- E. Attendance at a Health Information Technology Information Session (within two years of the screening deadline)

Note: Applicants may take the NLN PAX exam once every 90 days (approximately three months). NLN PAX exam results that are less than 90 days between exams will not be considered. Scores used for screening into the HIT program will be valid for only 3 years prior to a screening deadline. Scores older than 3 years will not be considered for screening. Visit www.nlnonlinetesting.org for available test dates and times or visit the Health Information Technology webpage at www.clillinois.edu/programs/hit. Instructions for registering for the test are available on the webpage.

Students who are selected for the program are required to undergo a background check and a urine drug screen. The results of the background check and drug screen may result in the student losing his/her seat in the program. The costs are borne by the student.

Students who are selected for the program are required to attend a mandatory orientation session. Failure to attend the mandatory orientation session may result in the student losing his/her seat in the program and the next qualified student on the list will be selected in his/her place.

Students must earn a grade of "C" or better" in all HIT and BIO courses.

SUMMER SESSION 4

CLC 120 ^	College Success Seminar	[2]
HIT 111	Medical Terminology	3
HIT 119	Pharmacology	1

FIRST SEMESTER 16-21

HIT 115	Fundamentals of HIT	3
HIT 131	Basic ICD-10-CM Coding	3
HIT 215	Medical Science	3
BIO 111	Human Form and Function <i>or</i>	
BIO 244	Anatomy and Physiology I <i>and</i>	
BIO 245	Anatomy and Physiology II	4-8
MTH 142	General Education Statistics <i>or</i>	
MTH 222	Business Statistics	3-4

SECOND SEMESTER 16

HIT 113	Ethical/Legal Aspect of Medical Records	2
HIT 117	Basic CPT Coding	3
HIT 217*	Health Information Systems and Data Literacy	3
HIT 272*	Reimbursement Systems in Healthcare	3
AMT 112	Automated Office Technologies <i>or</i>	
CIT 120	Introduction to Computers <i>or</i>	
CIT 119	Introduction to Office Software	3
ENG 121	English Composition I <i>or</i>	
ENG 120	Technical Composition	3

THIRD SEMESTER 14

HIT 132	Basic ICD-10-PCS Coding	2
HIT 171	Insurance Procedures for the Medical Office	2
HIT 212	Professional Practice Experience in Health Information I	4
CMM 111	Communication Skills <i>or</i>	
CMM 121	Fundamentals of Speech <i>or</i>	
CMM 122	Business and Professional Speaking <i>or</i>	
CMM 123	Dynamics of Small Group Discussion <i>or</i>	
CMM 128	Interviewing Practices	3
	Social Science Elective ; select from ANT 221, PSY 121, SOC 121 or other electives in Anthropology, Economics, Education, Gender, and	

Sexuality Studies, Geography (except GEG 120 or GEG 121), History, Political Science, Psychology, Sociology 3

FOURTH SEMESTER 15

HIT 213*	Professional Practice Experience in Health Information II (1st 8 weeks)	2
HIT 218*	Seminar in Health Information Humanities or Fine Arts elective	2 3
HIT 231	Leadership and Management in Health Information Management	2
HIT 232	Quality Management and Healthcare Statistics	3
HIT 271	Advanced Coding	2
	Humanities/Fine Arts Elective ; select one course from the recommended following courses, HUM 127, PHI 121, PHI 125 or other electives in Architecture (ARC 228), ART, Humanities, Music, Theater, Chinese, English (except ENG 120, 121, 122, 123, 124 and 126), Dance, Arabic, French, German, Italian, Japanese, Philosophy, Russian, Sign Language, Spanish	

Total Hours for A.A.S. Degree 65-70

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

*Courses requiring admission into the HIT program

HIT 217 and HIT 272 will be offered in the spring of 2022 ONLY.

HIT 231 and HIT 232 will be offered in the spring of 2023 ONLY.

If BIO 124 has been taken, BIO 111/BIO 244 and BIO 245 are not needed.

Students should seek the advice of the HIT faculty for course scheduling every semester.

For more information on recommended courses or program specific advising, contact faculty member Christina Melnytschuk at (847) 543-2886 or the Biological and Health Sciences division at (847) 543-2042.

**HEALTH INFORMATION
TECHNOLOGY:**

MEDICAL BILLING SPECIALIST

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/hit

**MEDICAL BILLING SPECIALIST
(Certificate) Plan 21HN**

Medical billers play a critical role in the financial aspects of a physician's practice. They report the patient's diagnosis and the services rendered to that patient using special medical codes. These codes are included on the bills submitted to insurance companies, managed care plans, and Medicare. Medical billers need to have extensive knowledge of medical terminology, coding, and insurance procedures. Medical billers are employed by physicians' offices, clinics, and billing services.

Medical billing is not a limited enrollment program. Day and evening classes are available.

All of the courses may be applied to the Health Information Technology associate degree program if the student desires to progress in the future to become a Registered Health Information Technician (RHIT).

A student must earn a grade of "C or better" in all HIT and BIO courses.

FIRST SEMESTER	9-13
CLC 120 ^ College Success Seminar	[2]
HIT 111 Medical Terminology	3
BIO 111+ Human Form and Function <i>or</i>	
BIO 244+ Anatomy and Physiology I <i>and</i>	
BIO 245 Anatomy and Physiology II	4-8
HIT 171 Insurance Procedures for the Medical Office	2

SECOND SEMESTER **10**

AMT 112 Computer Basics/Software Applications <i>or</i>	
CIT 119 Introduction to Office Software <i>or</i>	
CIT 120 Introduction to Computers	3
HIT 117 Basic CPT Coding	3
HIT 119 Pharmacology	1
HIT 131 Basic ICD-10-CM Coding	3

Total Hours for Certificate **19-23**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

+ If BIO 124 has been taken, BIO 111/BIO 244 and BIO 245 are not needed.

For more information on recommended courses or program specific advising, contact faculty member Christina Melnytschuk at (847) 543-2886 or the Biological and Health Sciences division at (847) 543-2042.





**KINESIOLOGY: EXERCISE
SCIENCE FOCUS**

**Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/kin**

**Degree: Associate in Science
Plan 11AB-KIN**

Kinesiology is the study of the art and science of human movement!

It involves designing and implementing exercise programs, studying about the prevention and treatment of athletic injuries, instructing physical education classes, teaching group exercise classes, creating health behavior change strategies, exploring health promotion and disease prevention, and more!

Taking Kinesiology classes at CLC can help students to improve their own level of physical fitness, prepare for a career in the health fitness industry, and provide engaging transfer credit moving on to a four-year program.

Successful completion of the certificate and/or degree programs in Kinesiology will prepare students for highly regarded credentials through the American College of Sports Medicine (ACSM), National Strength & Conditioning Association (NSCA) and other accredited fitness organizations.

This program is **recommended** for students pursuing a B.S. in Kinesiology with an Exercise Science Focus.

Students are **strongly encouraged** to meet with a faculty advisor/department chair early in their program to discuss the different options available within the field of Kinesiology.

To complete any transfer degree, students should select from the general education requirements outlined on page 28 of the catalog which can be found at www.clcillinois.edu/catalog.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 of the catalog to meet graduation requirements. A grade of C or better is required for all English course requirements.

Examples of Illinois four year schools offering a B.S. in Kinesiology with an Exercise Science/ Movement Science focus include University of Illinois at Chicago, Loyola, DePaul, Elmhurst, University of Illinois at Urbana-Champaign, Southern Illinois (SI), Northern Illinois University (NIU), and Northeastern Illinois University.

FIRST SEMESTER	15
CLC 120 ^	College Success Seminar [2]
ENG 121	English Composition I 3
KIN 221	Introduction to Physical Education 3

KIN 243	Theory and Practice of Fitness	2
BIO 161**	General Biology I or Other Life Science Elective	4
PSY 121	Introduction to Psychology or Other Social Science Elective	3

SECOND SEMESTER	15	
HWP 257	Health and Wellness Practicum I	1
HWP 240	Contemporary Health Issues	3
KIN 270	Biomechanics and Kinesiology	3
ENG 122	English Composition II or	
ENG 126	Advanced Composition: Scientific and Technical Communications	3
MTH 145	Calculus and Analytic Geometry	5

THIRD SEMESTER	16	
CMM 121	Fundamentals of Speech	3
HWP 260	Sport and Exercise Nutrition	3
BIO 244*	Anatomy & Physiology I or Other Physical or Life Science Elective	4
HUM 127	Critical Thinking or Other Humanities Elective	3
HWP 290	Principles of Wellness Coaching or	
KIN 242	Philosophy of Coaching	3

FOURTH SEMESTER	17	
KIN 271	Exercise Physiology	3
CHM 120	Chemical Concepts or Other Physical Science Elective	4
MTH 222	Business Statistics or Other Mathematics Elective	4
SOC 121	Introduction to Sociology or Other Social Science Elective	3
HUM 126+	Introduction to the Performing Arts or Other Fine Arts Elective	3

Total Hours for A.S. Degree 63

* Preferred courses for students planning to transfer to a 4-year institution for a B.S. in Kinesiology. BIO 245 is the next course in the Anatomy & Physiology course sequence.

**Some transfer institutions may accept sequential courses (I and II) only if both courses are taken. Check with transfer institution.

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, please contact department chair Joana Pabedinskas at (847) 543-2029 or the Biological and Health Sciences Division at (847) 543-2042.

KINESIOLOGY: PHYSICAL EDUCATION FOCUS

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcollinois.edu/programs/kin

**Degree: Associate in Arts
Plan 13AB**

This program is **recommended** for students pursuing a B.A. in Kinesiology with a Physical Education Focus. Students are **strongly encouraged** to meet with a faculty advisor/department chair early in their program to discuss the different options available within the field of Kinesiology.

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
KIN 221	Introduction to Physical Education	3
KIN 243	Theory and Practice of Fitness	2
HWP 240	Contemporary Health Issues	3
HWP 257	Health and Wellness Practicum I	1
PSY 121	Introduction to Psychology or Other Social Science Elective	3

SECOND SEMESTER		16
KIN 220	Physical Education in the Elementary Schools	3
HWP 260	Sport and Exercise Nutrition	3
BIO 123	Principles of Biology or Other Life Science Elective	4
CMM 121	Fundamentals of Speech	3
PSY 222	Child Growth and Development or Other Social Science Elective	3

THIRD SEMESTER		15
KIN 270	Biomechanics and Kinesiology	3
KIN 242	Philosophy of Coaching	3
ENG 122	English Composition II or Advanced Composition: Scientific and Technical Communications	3
MTH 140	Contemporary Mathematics or	
MTH 141	Quantitative Literacy or	
MTH 142	General Education Statistics	3
HUM 127	Critical Thinking or Other Humanities Elective	3

FOURTH SEMESTER		15-16
KIN 271	Exercise Physiology	3
CHM 120	Chemical Concepts or	
CHM 140	Chemistry for a Changing World or Other Physical Science elective	3-4
SOC 121	Introduction to Sociology or Other Social Science Elective	3
PHI 125+	Introduction to Ethics or Other Fine Arts or Humanities Elective	3
HUM 126+	Introduction to the Performing Arts or Other Fine Arts Elective	3

Total Hours for A.A. Degree 61-62

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

For more information on recommended courses or program specific advising, please contact department chair Joana Pabedinskas at (847) 543-2029 or the Biological and Health Sciences Division at (847) 543-2042.





MASSAGE THERAPY

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/mas

This certificate program prepares students to achieve entry level competencies as massage therapists in sports clinics, salons, spas, hospitals, private practice, nursing homes, hospices, wellness centers, and other health care and recreational settings.

Successful completion of 3 prerequisite courses plus two semesters (9 month program is 2 semesters; 12 month program is 2 semesters plus summer session) in the CLC massage therapy program prepares students to complete the federal licensing exam (MBLEx). Students are then eligible to apply for licensure in Illinois and most other states. All courses comprise the Massage Therapy Program: individual courses may not be taken.

Students who are selected for the program are required to undergo a health physical, a background check and a urine drug screen prior to beginning the program. The results of the background check and drug screen may result in the student losing their seat in the program. The costs are borne by the student.

An option to earn an A.A.S. in Health and Wellness Promotion is also available. Visit www.clcillinois.edu/programs/mas for more details about the program.

Students must maintain a minimum grade of "C" in all MAS courses to continue in and graduate from the program. In addition, students must maintain a CLC GPA of 2.0 or higher to graduate.

MASSAGE THERAPY (Certificate) Plan 21MS

PREREQUISITE COURSES		7
CLC 120 ^	College Success Seminar	[2]
MAS 119	Introduction to Massage Therapy	1
BIO 111	Human Form and Function or	
BIO 244*	Anatomy & Physiology I and	
BIO 245*	Anatomy & Physiology II	4
KIN 228	First Aid/CPR	2
FIRST SEMESTER		14
MAS 110	Massage Structure and Functions I	2
MAS 112	Kinesiology and Palpation I	2
MAS 114	Massage: Communication and Business I	3
MAS 116	Clinical Skills and Special Populations	3
MAS 131	Massage Therapy I: Swedish	2
MAS 132	Massage Therapy II: Integrative	2
SECOND SEMESTER		12
MAS 210	Massage Structure and Function II	2
MAS 212	Kinesiology and Palpation II	2
MAS 214	Massage: Communication and Business II	3
MAS 233	Massage Therapy III: Rehabilitative	2
MAS 234	Massage Therapy IV: Advanced Techniques	2
MAS 235	Therapeutic Massage Clinic	1
Total Hours for Certificate		33

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* These courses are preferred courses for students planning to transfer to a 4-year institution. Both BIO 244 and BIO 245 must be completed if using them in place of BIO 111.

The above sequence of classes is for the 9-month program. For the 12-month program, please visit the massage therapy webpage at www.clcillinois.edu/programs/mas. The 12-month program includes required summer courses.

**ACADEMIC PROGRAM ENTRANCE
REQUIREMENTS**

The following entrance requirements are required of all students:

- Attend a CLC Massage Therapy information session
- 18 years of age or older
- High school graduate or earned GED
- College Reading and Writing Readiness
- Must provide a CLC/Health Physical form completed by a professional healthcare provider
- Must pass a background check and urine drug screening.

**NONACADEMIC PROGRAM ENTRANCE
REQUIREMENTS**

Because of the inherent requirements of the profession, the following minimum abilities or essential technical functions are expected of the student:

- Lifting, stretching, and standing over the course of one or two hours
- Use of a full range of motion of the joints, and the ability to perform fine motor movements with the hands
- Ability to perform repetitive tasks such as stooping, bending, twisting, reaching and occasionally kneeling and squatting
- Good physical health and the ability to safely give and receive massages without risk of physical injury; students should consult a doctor to determine whether giving or receiving massages might be harmful to their health in any way
- Ability to respond in an emotionally controlled, professional, and ethical manner at all times and in varied patient care and educational situations
- Major medical health insurance is recommended for the length of the program; student insurance information is available through the CLC Health Center
- Willingness to give massages to (and receive massages from) people of different ages, body types, genders, sexual orientations, and personalities
- Prospective students are strongly encouraged to receive at least one massage from a licensed massage therapist; they are also strongly encouraged to make an appointment at the CLC Student Massage Clinic (See www.clcillinois.edu/programs/mas for details.)

Note: The courses associated with the Massage Therapy Program are typically offered at the Southlake (Vernon Hills) Campus.

For more information on recommended courses or program specific advising, please contact department chair Joana Pabedinskas at (847) 543-2029 or the Biological and Health Sciences Division at (847) 543-2042.



MEDICAL ASSISTING

**Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/moa**

The goal of the Medical Assisting Program is to prepare competent entry level medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. The program trains students to work as Medical Assistants in a variety of settings. Medical Assistants provide routine administrative and clinical tasks to keep the offices of physicians, chiropractors, and other health professionals running smoothly. The tasks vary by office and specialty area. In smaller offices, Medical Assistants are usually generalists, providing both administrative and clinical support. In larger practices, Medical Assistants often specialize in certain areas. Administrative duties include tasks such as scheduling and receiving patients, preparing and maintaining medical records, handling telephone calls and written correspondence, medical transcription, submitting insurance claims, and maintaining practice finances. Clinical duties may include asepsis and infection control, taking patient histories and vital signs, performing first aid and CPR, preparing patients for procedures, performing electrocardiograms (ECGs), assisting the physician with examinations and treatments, performing suture removal, collecting and processing specimens, performing selected lab and diagnostic tests, administering medications (injections), and drawing blood (venipuncture).

Graduates of the Medical Assisting Program may seek employment in various settings such as doctors' offices, clinics, occupational health facilities/programs, lawyers' offices specializing in medical malpractice, urgent care centers, and hospital outpatient departments. Medical Assistants are employed in a variety of medical specialties including but not limited to: Pediatrics, Internal Medicine, Family Practice, Occupational Health, General Surgery, Obstetrics and Gynecology, Oncology, and Gastroenterology.

Students interested in Medical Assisting should have a sincere desire to work with patients directly in an outpatient setting, and a sincere interest in wanting to help people maintain and improve their health.

Students are required to complete a background check and urine drug screen. Results of these screenings could affect program completion and future employment.

ACCREDITATION AND CERTIFICATION

The certified Medical Assisting program at the College of Lake County in Waukegan, Illinois, is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Medical Assisting Education Review Board (MAERB).

Commission on Accreditation
of Allied Health Education Programs
25400 U.S. Highway 19 North, Suite 158
Clearwater, FL 33763
(727) 210-2350

Graduates are eligible to sit for the AAMA Certification Examination, where, upon passing the examination, the individual earns the Certified Medical Assistant (CMA) credential.

PROGRAM ENTRANCE REQUIREMENTS

- Attend a Medical Assisting program Information Session within 2 years of program enrollment.
- Apply to the college.
- Submit transcripts to the Records Office at Grayslake Campus: high school or equivalent, technology campus or any college courses completed (or degree). Complete credential evaluation form for college transcript -available in the Office of Admissions.
- Demonstrate College Reading and Writing Readiness and Basic Algebra Readiness (see pages 12-15) or seek advisor assistance)
- Meet Prerequisites: BIO 111 or BIO 244 and BIO 245 or equivalent transfer course with a grade of C or higher.
- Must be at least 18 years old by start of program.
- CLC cumulative G.P.A. is 2.0 or above.

It is recommended that students meet with an advisor to create a plan. Interested students may take HIT 111, HIT 119, PBT 110, and PBT 115 prior to entering the program.

NEW COHORTS BEGIN IN THE FALL AND SPRING.

Courses are offered in the fall (daytime) and spring (evening). Interested students may take HIT 111, HIT 119, PBT 110 and PBT 115 prior to taking MOA 111. Preference is given to residents of CLC’s district, or a community college district which does not offer a Medical Assisting program and is a member of the CAREER consortium. Students who live outside of CLC’s district but are eligible for in-district tuition because they are employed by a district employer are NOT considered residents of the district for purposes of selection into the program.

Students must earn a minimum grade of “C” in all MOA, HIT, PBT, and BIO courses listed below to continue in and graduate from any of the certificate or degree programs (including the Healthcare Office Assistant.) In addition, students must maintain a CLC GPA of 2.0 or higher.

Students should seek the advice of the MOA Department Chair for course scheduling every semester.

Please note:

The certificates and A.A.S. degree in this program are stackable. The Certificate in Healthcare Office Assistant (21 ME) can be completed prior to program enrollment. Students seeking certification as a CMA should complete plan 21MA Certificate in Medical Assisting to be eligible to sit for the CMA (AAMA) examination through the American Association of Medical Assistants. The certificate takes approximately one year to complete attending full-time. To complete the A.A.S degree students would continue following completion of the Certificate in Medical Assisting (21MA) and complete the remaining credits for the A.A.S. in Medical Assisting (21MD) which takes approximately one additional year to complete attending full-time.

**HEALTHCARE OFFICE ASSISTANT
(Certificate) Plan 21ME**

This certificate prepares students to work in the front office of a medical or dental office. Students in the program will learn how to schedule appointments, protect confidentiality of patient information, use proper telephone etiquette, and understand the health insurance claims process. An introduction to basic insurance coding will be included. Students must have adequate computer skills and access to the Internet to complete assignments in this program.

FIRST SEMESTER	7
HIT 111 Medical Terminology	3
MOA 112 Basic Medical Office and Billing Procedures	4
Total Hours for Certificate	7

**MEDICAL ASSISTING
(Certificate) Plan 21MA**

This certificate prepares students to perform both Administrative and clinical skills in a medical practice or other outpatient medical setting. See pg. 194 of catalog for full description. Students must have adequate computer skills and access to the internet to complete.

FIRST SEMESTER	7-11
CLC 120 ^ College Success Seminar	[2]
BIO 111 Human Form and Function <i>or</i>	
BIO 244 Anatomy and Physiology I <i>and</i>	
BIO 245 Anatomy and Physiology II	4-8
HIT 111 Medical Terminology	3
SECOND SEMESTER	12
MOA 111 Clinical Medical Assisting I	4
MOA 112 Basic Medical Office and Billing Procedures	4
HIT 119 Pharmacology	1
AMT 112 Computer Basics/Software Applications <i>or</i>	
CIT 120 Introduction to Computers	3
THIRD SEMESTER	14
MOA 115 Insurance Coding for Medical Assisting	3
MOA 211 Clinical Medical Assisting II	4
PSY 121 Introduction to Psychology	3
PBT 110 Introduction to Medical Lab Technology	2
PBT 115 Phlebotomy Techniques	2
FOURTH SEMESTER	3
MOA 212 Medical Assisting Externship	3
Total Hours for Certificate	36-40

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Continued on next page.

MEDICAL ASSISTING

**Degree: Associate in Applied Science,
Medical Assisting
Plan 21MD**

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	7-11
CLC 120 ^	College Success Seminar [2]
BIO 111	Human Form and Function <i>or</i>
BIO 244	Anatomy and Physiology I <i>and</i>
BIO 245	Anatomy and Physiology II 4-8
HIT 111	Medical Terminology 3

SECOND SEMESTER	12
HIT 119	Pharmacology 1
MOA 111*	Clinical Medical Assisting I 4
MOA 112	Basic Medical Office and Billing Procedures 4
AMT 112	Computer Basics/Software Applications <i>or</i>
CIT 120	Introduction to Computers 3

THIRD SEMESTER	14
MOA 115	Insurance Coding for Medical Assistants 3
MOA 211	Clinical Medical Assisting II 4
PBT 110	Introduction to Medical Lab Technology 2
PBT 115	Phlebotomy Techniques 2
PSY 121	Introduction to Psychology 3

FOURTH SEMESTER	12
MOA 212	Medical Assisting Externship 3
AMT 112	Computer Basics/Software Application <i>or</i>
CIT 111	Comprehensive Spreadsheets <i>or</i>
CIT 112	Comprehensive Database <i>or</i>
CIT 119	Introduction to Office Software 3
CMM 111	Communication Skills <i>or</i>
CMM 121	Fundamentals of Speech <i>or</i>
CMM 123	Dynamics of Small Group Discussion <i>or</i>
CMM 128	Interviewing Practices 3
ENG 121	English Composition I <i>or</i>
ENG 120	Technical Composition I 3

FIFTH SEMESTER	15
**	Medical Assisting Electives 6
	General Education Electives (select from page 228-229) 6
	Humanities or Fine Arts Elective 3

MEDICAL ASSISTING ELECTIVES**

AMT 214	Administrative Office Procedures 3
BUS 115	Elements of Supervision 3
HIT 113	Ethical and Legal Aspects of Medical Records 2
HIT 215	Medical Science 3
HWP 240	Contemporary Health Issues 3
NUR 110	Nurse Assisting 7
PBT 116	Clinical Phlebotomy 2
PDS 121	Self Empowerment 1
KIN 228	First Aid/CPR 2
PSY 220	Lifespan Development 3

Total Hours for A.A.S. Degree 60-64

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* Upon completion of above program requirements students can enroll in MOA 111 on a first come, first served basis.

TECHNICAL STANDARDS

Students in the College of Lake County's Medical Assisting Program must demonstrate the ability to perform or learn to perform the following essential skills:

- motor skills sufficient to perform record filing and data input tasks and be able to utilize various computer hardware and software in accomplishing operational functions related to medical assisting activities
- have full range of motion of joints, fine motor movements of the hands, ability to perform repetitive tasks and the ability to stoop, bend, twist, reach and occasionally kneel and squat
- lift and carry objects weighting up to 50 pounds
- push or pull a wheelchair, cart or gurney
- have adequate hearing which permits the individual to communicate in a rational and coherent manner with others in the English language
- examine closely images or other forms of output created by diagnostic equipment; must have color vision; must have good visual acuity for client assessment, medical checking, assisting in medical procedures, and for documentation

- demonstrate critical thinking/cognitive skills needed for problem solving and effective performance of standard medical assisting functions
- adapt effectively to environments with high stress in learning situations
- stand and walk 4 to 8 or more hours per clinical session
- acquire and apply information from classroom instruction, professional practice, independent learning and team projects
- synthesize information regarding healthcare data for formal, verbal and/or written, presentation to healthcare professionals
- follow job related logical thought processes to make judgments
- take initiative and work independently yet recognize self limitations
- demonstrate prolonged concentration skills
- cope in an appropriate manner to common job related stressful situations
- protect the confidentiality and security of health information
- meet the ethical standards of the profession.

Upon entrance, students must be able to perform the essential functions of the curriculum and meet the standards described herein for the program.

Note: This program is based at the Lakeshore (Waukegan) Campus. However, non-MOA courses may be offered only at the Grayslake Campus.

For more information on recommended courses or program specific advising, contact Lisa Fasano Medical Assisting Chair, at (847) 543-2176 or the Biological and Health Sciences division at (847) 543-2042.

MEDICAL IMAGING

**Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/mim**

**Degree: Associate in Applied Science,
Medical Imaging
Plan 21MI**

This is a limited enrollment program. MIM courses are offered during the day in eight-week modules, alternating between classroom and clinical education. Classes are offered through blended learning instruction. Students are required to meet the screening requirements in effect at the time of screening. Students who screen and are accepted into a limited enrollment program will be required to complete the curriculum that is in place at the time of entrance into the program. If students who screen are not granted admission, they must rescreen and satisfy all screening and curriculum requirements in place for a future program start. See page 30 for more information about the CAREERS agreement.

**SCREENING DEADLINE:
THIRD MONDAY IN OCTOBER**

The Medical Imaging Program prepares radiographers to work in medical facilities producing radiographic examinations which are interpreted by a radiologist or another medical specialist. Graduates of the program are qualified to take the national certification examination given by the American Registry of Radiologic Technologists. Graduates also meet the additional criteria required for Illinois licensure. The Medical Imaging program is nationally accredited by the Joint Review Committee on Education in Radiologic Technology: 20 North Wacker Drive, Suite 2850 Chicago, IL 60606-3182, (312) 704-5300, mail@jrcert.org.

The mission of the College of Lake County Medical Imaging Program is to cultivate exceptional Radiologic Technologists through equitable high-quality instruction in didactic, laboratory, and clinical settings. The Medical Imaging Program advocates independent, professional and ethical judgment, cultural and technical competence, advanced quality care, and continuous education to the diverse communities it serves.

The College of Lake County Medical Imaging Program's Vision is committed to providing a holistic education designed to meet the needs

of community stakeholders. In addition, the Medical Imaging Program upholds the Values of the College of Lake County... Purpose, Integrity, Excellence, Inclusion, Unity and Compassion.

The number of students that can be admitted to the MIM Program is limited. Therefore, a screening procedure is used to select the academically best qualified from those who request consideration. Preference is given to residents of CLC's district, or a community college district which does not offer a Medical Imaging program and is a member of the CAREER consortium. Students who live outside of CLC's district but are eligible for in-district tuition because they are employed by a district employer are NOT considered residents of the district for purposes of selection into the program.

Students enrolled in the program are required to undergo a background check and a urine drug screen prior to attending their clinical site (MIM 114). The results of the background check and drug screen may result in the student losing his/her seat in the program. The costs are borne by the student.

**TO BE CONSIDERED FOR ADMISSION
TO THE MEDICAL IMAGING PROGRAM,
STUDENTS MUST COMPLETE THE
FOLLOWING SCREENING REQUIREMENTS
PRIOR TO THE SCREENING DEADLINE.**

Students must have submitted the following documents to the Welcome and One-Stop Center:

- A. Student Information Form.
- B. **Official** high school transcript with graduation date
OR
Official GED test scores
OR
Official college transcripts with graduation date and degree awarded
OR
Official foreign high school or college transcript evaluated by a NACES approved agency
- C. Medical Imaging Program Request for Screening Form
- D. If using courses from another college to meet prerequisites or degree requirements, submit an official transcript and a "Request for Evaluation of Prior College Transcripts" form to the Office of Registrar and Records

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WELLNESS AND HEALTH
SCIENCE PROGRAMS

**MINIMUM SELECTION CRITERIA:
STUDENT RECORDS MUST INDICATE
THE FOLLOWING:**

- A. High school graduate or equivalent or high school senior in last term
- B. College Reading and Writing Readiness and Basic Algebra Readiness
- C. CLC Cumulative GPA is 2.0 or above
- D. High school chemistry or physics with a lab (1 year, C or better) **OR**
CHM 120 or CHM 121 or PHY 121 or an equivalent course (C or better)
- E. BIO 123, BIO 161 or BIO 244 or an equivalent course (C or better)
- F. One of the following Math options
 - High School Algebra (2 years, C or better) **OR**
 - TM02 C or better (within 18 months of completion) **OR**
 - CLC ALEKS Math Placement Test 30+ **OR**
 - Math ACT score 20+ **OR**
 - Math SAT score 510+ **OR**
 - MTH 102 C or better **OR**
 - MTH 105 C or better **OR**
 - Completion of a higher level math course than 102 or 105 C or better **OR**
 - Equivalent course from another college or university
- G. MIM 110: Introduction to Medical Imaging-C or better
- H. Applicants may take the NLN PAX exam once every 90 days (approximately three months). NLN PAX exam results that are less than 90 days between exams will not be considered. Scores used for screening into limited enrollment programs will be valid for only 3 years prior to a screening deadline. Scores older than 3 years will not be considered for screening. Visit www.nlnonlinetesting.org for available test dates and times.
- I. Must be eighteen (18) years of age by the fall semester following the screening deadline in order to enroll in the first clinical course (MIM 114).

Students must earn a minimum grade of "C" in each Imaging course to continue in and graduate from the program.

Note: The lecture portion of the course is blended learning. MIM courses are provided in 8 week learning modules, alternating between didactic and clinical education.

SPRING SEMESTER ONE		4
CLC 120 ^	College Success Seminar	[2]
BIO 245	Anatomy and Physiology II	4

SUMMER SESSION ONE		5
MIM 111	Radiographic Anatomy and Positioning I	5

FALL SEMESTER ONE		13
MIM 113	Radiographic Anatomy and Positioning II	5
MIM 114	Clinical Practice I	3
MIM 116	Advanced Radiographic Procedures I	2
ENG 121	English Composition I	3

WINTER INTERSESSION ONE		1
MIM 115	Clinical Practice II	1

SPRING SEMESTER TWO		13.5
MIM 112	Principles of Radiographic Exposure	2.5
MIM 115	Clinical Practice II	3
MIM 210	Technical Aspects of Patient Care	2
PSY 121	Introduction to Psychology	3
CMM 121	Fundamentals of Speech or	
CMM 123	Dynamics of Small Group Discussion	3

SPRING INTERSESSION ONE		1
MIM 212	Clinical Practice III	1

SUMMER SESSION TWO		3
MIM 212	Clinical Practice III	3

FALL SEMESTER TWO		13.5
MIM 211	Imaging Equipment	5.5
MIM 216	Computer Imaging	2
MIM 215	Clinical Practice IV	3
CMM 127	Intercultural Communication	3

WINTER INTERSESSION ONE		1
MIM 215	Clinical Practice IV	1

SPRING SEMESTER THREE		12
MIM 214	Advanced Topics in Radiography	3
MIM 275	Introduction to Sectional Anatomy	1
MIM 219	Radiography Seminar	2
MIM 271	Clinical Practice V	3
HUM 127	Critical Thinking	3

Total Hours for A.A.S. Degree 67

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

PREGNANCY POLICY

During the first semester in the medical imaging program, all students will be taught basic radiation protection procedures. These instructions will include enough background so that students will be able to understand the possible biological risks of ionizing radiation to the embryo and fetus. In addition, any perspective student attending a Medical Imaging information session receives the NRC guide #8.29 and #8.13 with a brief overview.

Information is available through the United States Nuclear Regulatory Commission (NRC) guide #8.13 on instruction concerning prenatal radiation exposure. The NRC guide and forms are available in the appendices of the MIM handbook or at <http://pbadupws.nrc.gov/docs/ML0037/ML003739505.pdf>

A student may voluntarily inform the department chair and the radiation safety officer in writing using the form in the back of guide #8.13 should a pregnancy occur during the educational period. The pregnancy then becomes declared and a fetal dosimeter will be issued to the student to monitor radiation exposure. The signed NRC 8.13 form letter for declaring pregnancy will be placed in the student's CLC file. A student may rescind pregnancy declaration at any time in writing to the department chair.

Once the student declares their pregnancy, the possible risks to the embryo and fetus shall be reviewed and the review documented and signed by the radiation safety officer and the student. The student will then be referred to the department chair for discussion and documentation of the student's pregnancy options.

The student will choose one of the following pregnancy options:

1. The student may continue in the program without modification. In this case, two dosimeters will be used, one worn at the collar and on top of the apron during fluoroscopy and one worn on the belt and under the apron during fluoroscopy to record the student exposure and the fetal exposure respectively. Should recorded fetal exposure increase to 500 mrem or be received at a rate greater than 50 mrem per month at any time during pregnancy, the student will be required to take a leave of absence [see (b) below]. All course objectives and rotations shall be equivalent to any and all students enrolled in those particular courses. Adherence to radiation protection policies should eliminate almost all fetal exposure. Other counseling on radiation protection procedures shall be done as needed.
2. A leave of absence may be taken until the birth of the child. All medical imaging grades will be recorded as withdrawn (W) if the student grades are acceptable at the time. This will permit the student to return with no penalty. Student acceptance to clinical facilities depends upon availability of sites.
3. The student may terminate the program. All medical imaging grades will be recorded as withdrawn (W) if the student grades are acceptable at the time.

For more information on recommended courses or program specific advising, contact the following faculty members or the Biological and Health Sciences division at (847) 543-2042:

Joe Dielman | Christina Lozano
Lynn Wiechert

THE MEDICAL IMAGING PROGRAM SETS FORTH THE FOLLOWING GOALS AND OUTCOMES:

- Goal 1: Students/graduates will use critical thinking and problem-solving skills.
- Students will demonstrate critical thinking skills.
 - Students will have the ability to modify routine procedures.
- Goal 2: Students/graduates will be clinically competent.
- Students will evaluate radiographs for pathological processes.
 - Students will demonstrate proficiency in the surgical suite.
- Goal 3: Students/graduates will be able to communicate.
- Students will communicate effectively during fluoroscopy examinations.
- Goal 4: Student/graduates will evaluate the importance of professional growth and development.
- Students will assess their growth and development.
 - Students will demonstrate a basic understanding of advanced imaging modalities.
- Goal 5: Program effectiveness measures.
- Students/graduates will pass the certification examination.
 - Graduates will have the knowledge and skills expected by employers as entry technologists.
 - Graduates will obtain employment in radiography.
 - Graduates will complete the program within two years.
 - Graduates will indicate overall satisfaction.

For more information on recommended courses or program specific advising, contact faculty member Lynn Wiechert at bio599@clcollinois.edu, Christina Lozano at clozano1@clcollinois.edu or the Biological and Health Sciences division.

Continued on next page.

Medical Imaging Technical Performance Standards

Medical Imaging is a practice of discipline with cognitive, sensory, affective, and psychomotor performance requirements. Based on those requirements [and the State of Illinois licensing requirements], a list of “Performance Standards” has been developed. Each standard has an example of an activity or activities that a potential student will be required to perform while enrolled in the radiography program. Please note that these examples are not all inclusive.

Issue	Standard	Examples of Required Activities (Not all inclusive)
Visual	Visual ability sufficient for observation and assessment necessary in the operation of equipment and care of patients.	<ul style="list-style-type: none"> • Visualize x-ray collimator centering light and identify its center. • Observe the patient in order to assess the patient’s condition and/or needs from a distance of at least 20 feet. • Can see numbers, letters, calibrations, etc., of varying sizes located on equipment utilized by a radiographer.
Hearing	Auditory abilities sufficient to monitor and assess patient needs, and to provide a safe environment.	<ul style="list-style-type: none"> • Hear a patient talk in a normal tone from a distance of 20 feet • Hear monitor alarm, emergency signals, and cries for help.
Tactile	Tactile ability sufficient for patient assessment and operation of equipment and care of patients.	<ul style="list-style-type: none"> • Perform palpation, tactile assessment and manipulation of body parts to ensure proper body placement and alignment. • Manipulate dials, buttons and switches of various sizes.
Mental	Mental ability sufficient for patient assessment and operation of equipment and care of patients.	<ul style="list-style-type: none"> • Be able to visually concentrate and focus attention, thoughts, and efforts on patients and equipment for varying periods of time. • Be able to respond to patients’ changing physical conditions.
Environmental Requirements	Physical health sufficient enough to be able to tolerate certain conditions present in the clinical setting.	<ul style="list-style-type: none"> • Be able to tolerate risks of discomforts in the clinical setting that require special safety precautions, additional safety education, and health risk monitoring (i.e., ionizing radiation), working with sharps, chemicals, and infectious disease. Students may be required to use protective clothing or gear such as masks, goggles, gloves, and lead aprons.
Communication	Communication abilities sufficient for interaction with others in verbal and written form.	<ul style="list-style-type: none"> • Effectively communicate to the patient in order to converse, instruct the patient, relieve anxiety, gain their cooperation during procedures, understand the patient when they are communicating symptoms of medical emergency.

Issue	Standard	Examples of Required Activities (Not all inclusive)
Mobility	Physical abilities sufficient to move from room to room and maneuver in small spaces.	<ul style="list-style-type: none"> • Assist all patients, according to individual needs and abilities, in moving, turning, transferring from transportation devices to x-ray table, etc. • Be able to push, pull, and lift a minimum 50 lbs. • Push a stretcher and/or wheelchair without injury to self, patient, and others. • Push a mobile x-ray machines from one location to another, including turning corners, getting on and off an elevator, and manipulating it in a patient’s room or surgery.
Motor Skills	Gross and fine motor abilities sufficient to provide safe effective patient care.	<ul style="list-style-type: none"> • Manually move the x-ray tube and position the tube at various angles and heights up to 7 feet. • Accurately draw up sterile contrast media and other solutions without contaminating the syringe and/or needles, etc. • Physically be able to administer emergency care including performing CPR. • Place cassettes (image receptors) in Bucky trays and properly manipulate all locks. • Be able to stand for periods as long as 2-hours wearing lead aprons and to walk a distance of 5 miles during a normal work day.
Critical Thinking	Critical thinking ability sufficient for safe, clinical judgment.	<ul style="list-style-type: none"> • Identify cause-effect relationships in clinical situations. • Evaluate radiographs to ascertain that they contain proper identification and are of diagnostic value. • Select exposure factors and accessory devices for all radiographic procedures with consideration of patient size, age, and extent of disease. • Assess patient’s condition and needs from a distance of at least 20 feet. • Initiate proper emergency care protocols, including CPR, based on assessment data.
Interpersonal Behavioral and Social Skills	Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	<ul style="list-style-type: none"> • Establish rapport with patients, families, and colleagues. • Allow mature, sensitive, and effective relationships with patients and fellow workers (interpersonal skills). • Tolerate physically taxing workload. • Function effectively under stress. • Adapt to changing environments (flexible schedules, emergency conditions). • Display compassion, professionalism, empathy, integrity, concern for others, and interest and motivation.

Developed by St. Petersburg College Radiography Program: Permission granted to CLC.

The American with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 and College of Lake County policy prohibits discrimination against individuals with disabilities. One of the purposes of this document is to ensure that students are aware of the requirements of this program and acknowledge their understanding of the program requirements. Students who have a disability and are in need of accommodations or modifications must contact the Office for Students with Disabilities (“OSD”). The OSD will determine whether or not any reasonable accommodations or modifications can be provided.



**MEDICAL IMAGING:
COMPUTED TOMOGRAPHY**
Biological and Health Sciences Division
Room B213 (847) 543-2042
www.clcillinois.edu/programs/mim

**COMPUTED TOMOGRAPHY
(Certificate) Plan 21MT**

The Computed Tomography (CT) certificate prepares radiographers to work in medical facilities as a CT Technologist. Graduates of the program are qualified to take the national CT certification examination given by the American Registry of Radiologic Technologists (ARRT).

REQUIREMENTS

This is a limited enrollment program. Didactic courses are only offered online. Students are required to meet the screening requirements in effect at the time of screening. Students who screen and are accepted into a limited enrollment program will be required to complete the curriculum that is in place at the time of entrance into the program. If students who screen are not granted admission, they must rescreen and satisfy all screening and curriculum requirements in place for a future program start.

The mission of the College of Lake County Computed Tomography Program is to cultivate exceptional Computed Tomography Technologists through equitable high-quality instruction in didactic and clinical settings. The Computed Tomography Program advocates independent, professional and ethical judgment, cultural and technical competence, advanced quality care, and continuous education to the diverse communities it serves.

The College of Lake County Computed Tomography Program's Vision is committed to providing a holistic education designed to meet the needs of community stakeholders. In addition, the Computed Tomography Program upholds the Values of the College of Lake County... Purpose, Integrity, Excellence, Inclusion, Unity and Compassion.

1. Students must have submitted the following documents to the Welcome and One-Stop Center:
 - A. Student Information Form.
 - B. CT Request for Screening Form
 - C. Copy of current certification of your imaging field
 - D. A professional resume documenting years of experience in a related imaging field (must include employer, job responsibilities, and dates employed)
2. Meet minimum technical performance standards as defined for the profession. See pages 202-203.

Please note that CT is an advanced certificate and open only to students who are registered in radiography or radiation therapy. Open only to students who are registered in radiography, radiation therapy, or in nuclear medicine technology by ARRT or the Nuclear Medicine Technology Certification Board (NMTCB). In addition, students must maintain registration in radiography or radiation therapy by the ARRT at all times to be eligible for certification and registration in Computed Tomography.

SCREENING DEADLINE

The deadline is the first Wednesday in March of even years. If space is available in the program after the initial screening deadline, qualified students will be accepted in an order based on academic qualifications. All required materials must be submitted to the Records Office by the screening deadline.

The number of students that can be admitted to any clinical education course is limited for any given session. Therefore, a screening procedure is used to select the academically best qualified from those who request consideration.

- Preference is given to residents of CLC's district, or a community college district which does not offer a Medical Imaging program and is a member of the CAREER consortium. Students who live outside of CLC's district but are eligible for in-district tuition because they are employed by a district employer are NOT considered residents of the district for purposes of selection into the program.
- Students who are selected for the program are required to undergo a background check and a urine drug screen. The results of the background check and drug screen may result in the student losing his/her seat in the program. The costs are borne by the student. Students must maintain a minimum grade of "C" in each Medical Imaging course to continue in and graduate from the CT program.

Note: The lecture portion of the courses is taught online

FALL SEMESTER (EVEN YEARS)		8
MIM 252	CT Physics, Instrumentation, and Procedures I	3
MIM 256	CT Sectional Anatomy and Pathology I	3
MIM 273+	CT Practicum I	2
SPRING SEMESTER		8
MIM 254	CT Physics, Instrumentation, and Procedures II	3
MIM 258	CT Sectional Anatomy and Pathology II	3
MIM 274	CT Practicum II+	2
Total Hours for Certificate		16

+ The Practicum has been designed to be flexible and accommodate a variety of schedules. Actual clinic days and hours will be determined by the student and the instructor.

**MEDICAL IMAGING:
MAGNETIC RESONANCE IMAGING**
Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/mim

**MAGNETIC RESONANCE IMAGING
(Certificate) Plan 21MR**

The Magnetic Resonance Imaging (MRI) certificate prepares radiographers to work in medical facilities as MRI technologists. Graduates of the program are qualified to take the national MRI certification examination given by the American Registry of Radiologic Technologists.

REQUIREMENTS

This is a limited enrollment program. Didactic courses are only offered online. Students are required to meet the screening requirements in effect at the time of screening. Students who screen and are accepted into a limited enrollment program will be required to complete the curriculum that is in place at the time of entrance into the program. If students who screen are not granted admission, they must rescreen and satisfy all screening and curriculum requirements in place for a future program start.

The mission of the College of Lake County Magnetic Resonance Imaging Program is to cultivate exceptional Magnetic Resonance Imaging Technologists through equitable high-quality instruction in didactic and clinical settings. The Magnetic Resonance Imaging Program advocates independent, professional and ethical judgment, cultural and technical competence, advanced quality care, and continuous education to the diverse communities it serves.

The College of Lake County Magnetic Resonance Imaging Program's Vision is committed to providing a holistic education designed to meet the needs of community stakeholders. In addition, the Magnetic Resonance Imaging Program upholds the Values of the College of Lake County... Purpose, Integrity, Excellence, Inclusion, Unity and Compassion.

1. Students must have submitted the following documents to the Welcome and One-Stop Center:
 - A. Student Information Form
 - B. MRI Request for Screening Form
 - C. Copy of current certification of your imaging field
 - D. A professional resume documenting years of experience in a related imaging field (must include employer, job responsibilities, and dates employed)
2. Meet minimum technical performance standards as defined for the profession. See page 202-203.

Please note that MRI is an advanced certificate and open only to students who are registered in radiography or radiation therapy by the ARRT or in nuclear medicine technology by ARRT or the Nuclear Medicine Technology Certification Board (NMTCB) or in sonography by ARRT or in any sonography-related modality by ARDMS.

SCREENING DEADLINE

The deadline is the first Wednesday in March of odd years. If space is available in the program after the initial screening deadline, qualified students will be accepted in an order based on academic qualifications. All required materials must be submitted to the Records Office by the screening deadline.

The number of students that can be admitted to any clinical education course is limited for any given session. Therefore, a screening procedure is used to select the academically best qualified from those who request consideration.

- Preference is given to residents of CLC's district, or a community college district which does not offer a Medical Imaging program and is a member of the CAREER consortium. Students who live outside of CLC's district but are eligible for in-district tuition because they are employed by a district employer are NOT considered residents of the district for purposes of selection into the program.
- Students who are selected for the program are required to undergo a background check and a urine drug screen. The results of the background check and drug screen may result in the student losing his/her seat in the program. The costs are borne by the student. Students must maintain a minimum grade of "C" in each Medical Imaging course to continue in and graduate from the MRI program.

Note: The lecture portion of the courses is taught online

Continued on next page.



WELLNESS AND HEALTH SCIENCES PROGRAMS

FIRST SEMESTER		9
MIM 251	MRI Physics and Instrumentation	3
MIM 253	MRI Procedures and Sectional Anatomy I	3
MIM 272+	MRI Practicum	3
SPRING SEMESTER		9
MIM 255	MRI Procedures and Sectional Anatomy II	3
MIM 272+	MRI Practicum	3
MIM 257	MRI Procedures and Sectional Anatomy III	3
Total Hours for Certificate		18

+ The Practicum has been designed to be flexible and accommodate a variety of schedules. Actual clinic days and hours will be determined by the student and the instructor.

For more information on recommended courses or program specific advising, contact faculty member Lynn Wiechert at bio599@clcollinois.edu, Christina Lozano at clozano1@clcollinois.edu or the Biological and Health Sciences division.

NURSING

**Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/nur**

**Degree: Associate in Applied Science,
Nursing
Plan 21NC**

This is a limited-enrollment program. Students are required to meet the screening requirements in effect at the time of screening. Students who screen and are accepted into a limited enrollment program will be required to complete the curriculum that is in place at the time of entrance into the program. If students who screen are not granted admission, they must rescreen and satisfy all screening and curriculum requirements in place for a future program start. See page 30 for more information about the CAREERS agreement.

**SCREENING DEADLINES:
FOURTH WEDNESDAY IN FEBRUARY AND
THE FOURTH WEDNESDAY IN SEPTEMBER**

The Associate Degree Program in Nursing prepares individuals to practice as registered nurses in entry level positions across health care settings. The program provides a balanced curriculum of general education and nursing courses. Clinical experience is provided at local hospitals and health care agencies.

The Nursing Program is accredited by the Accreditation Commission for Education in Nursing, 3390 Peachtree Rd., NE, Suite 1400, Atlanta, GA 30326, (404) 975-5000, www.acenursing.com. It is approved by the Illinois Department of Financial and Professional Regulation, 320 West Washington Street, Springfield, IL 62786, www.IDFPR.com. After the completion of the program, the graduate is eligible to take the National Council Licensure Examination (NCLEX) for Registered Nursing and, if completed successfully, may apply to any state in the U.S. for licensure as a registered nurse.

Registered nurses must be licensed by the individual State Board of Nursing. To become licensed, applicants must graduate from an approved nursing education program, pass the NCLEX examination for registered nursing, pay the required fees and satisfy requirements of a Federal criminal history record check.

The number of students admitted into the nursing program is limited for both the fall and spring semester; therefore, a screening procedure is used to select the academically best qualified from those who request consideration. Preference will be given to residents of Community College District 532. Students who live outside of CLC's district but are eligible for in-district tuition because they are employed by a district employer are NOT considered residents of the district for purposes of selection into the program.

**TO BE CONSIDERED FOR ADMISSION
TO THE NURSING PROGRAM, STUDENTS
MUST COMPLETE THE FOLLOWING
SCREENING REQUIREMENTS PRIOR
TO THE SCREENING DEADLINE.**

Students must have submitted the following documents to the Welcome and One-Stop Center :

- A. Student Information Form
- B. **Official** high school transcript with graduation date
OR
Official GED test scores
OR
Official college transcripts with graduation date and degree awarded
OR
Official foreign high school or college transcript evaluated by a NACES approved agency
- C. Nursing Program Request for Screening Form once screening requirements and prerequisites are completed.
- D. If using courses from another college to meet prerequisites or degree requirements, submit an official transcript and a "Request for Evaluation of Prior College Transcripts" form to the Office of Registrar and Records.

Continued on next page.



**MINIMUM SELECTION CRITERIA:
STUDENT RECORDS MUST INDICATE
THE FOLLOWING:**

- A. College Reading and Writing Readiness and Basic Algebra Readiness
- B. CLC Cumulative GPA is 2.0 or above
- C. CHM 120 or an equivalent course (C or better)
- D. BIO 123 or an equivalent course (C or better) *
- E. BIO 244 or an equivalent course (C or better)
- F. NLN PAX with minimum acceptable RN percentile rank scores of 50 in the verbal, math, and science sections, and a composite RN percentile rank of 60 (within 3 years prior to the screening deadline)
- G. Certified Nurse Assistant (CNA) on the Illinois Healthcare Worker Registry or Illinois Licensed Practical Nurse (LPN) if applicable
- H. Must be at least eighteen (18) years of age at the start of the program
- I. Attendance at a Nursing Program Information Session (within 2 years of screening deadline)

* If BIO 244 AND BIO 246 (or equivalent) are completed at another accredited college with a grade of "C" or better, BIO 123 will not be required.

Please note that MTH 102 or equivalent is a prerequisite for BIO 123 and CHM 120.

Note: Applicants may take the NLN PAX exam once every 90 days (approximately three months). NLN PAX exam results that are less than 90 days between exams will not be considered. Scores used for screening into the nursing program will be valid for only 3 years prior to a screening deadline. Scores older than 3 years will not be considered for screening. Visit www.nlnonlinetesting.org for available test dates and times.

Students who are selected for the program are required to undergo a background check and a urine drug screen. The results of the background check and drug screen may result in the student losing their seat in the program.

Students who are selected for the program are required to attend a mandatory orientation session. Failure to attend the mandatory orientation session may result in the student losing their seat in the program.

To complete an A.A.S., students are **strongly encouraged** to meet with an Academic Success Advisor to identify coursework that will meet degree requirements.

For completion of the A.A.S. degree in Nursing, students will need to follow the program in place at the time they are accepted into the Nursing program. Nursing faculty may make changes to program policies which must also be followed.

A student must maintain at least a grade of "C" in each nursing course to continue in and graduate from the program.

Requirements of the ADN program, must be completed with a grade of "C" or better (counted in total hours toward A.A.S. degree)

FIRST SEMESTER	11-12
CLC 120 ^ College Success Seminar	[2]
BIO 123* Principles of Biology <i>or</i>	
BIO 161 General Biology I	4
CHM 120* Chemical Concepts <i>or</i>	
CHM 121 General Chemistry I	4-5
ENG 121 English Composition I	3

SECOND SEMESTER	8
BIO 246 Microbiology	4
BIO 244* Anatomy and Physiology I	4

THIRD SEMESTER	15
BIO 245 Anatomy and Physiology II	4
NUR 133 Foundational Concepts of Nursing Practice	8
PSY 121 Introduction to Psychology	3

FOURTH SEMESTER	15
NUR 134 Medical Surgical Nursing	9
PSY 220 Lifespan Development	3
Humanities or Fine Arts Elective (list in next column)	3

FIFTH SEMESTER	12
CMM 121 Fundamentals of Speech <i>or</i>	
CMM 123 Dynamics of Small Group Discussion <i>or</i>	
CMM 128 Interviewing Practices	3
NUR 232 Mental Health Nursing	3
NUR 233 Family-Centered Nursing Care	6

SIXTH SEMESTER	12
ANT 221 Cultural Anthropology <i>or</i>	
ANT 228 Cross-Cultural Relationships <i>or</i>	
CMM 127 Intercultural Communication	3
NUR 234 Complex Medical, Surgical and Leadership Nursing	9

Total Hours for A.A.S. Degree 73-74

Humanities and Fine Arts Electives:

Select one course from the following selections:

Art, Humanities, Music, Theatre, Chinese, English (except ENG 120, 121, 122, 123, 124 and 126), Dance, Arabic, French, German, Italian, Japanese, Philosophy, Russian, Sign Language, Spanish

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* Courses used to fulfill the nursing program screening requirements may not be used as a general elective, with the exception of NUR110.

For more information on recommended courses or program specific advising, contact the nursing education office at (847) 543-2043:

Mary Buckner | Becky Hawarny | Barbara Hunt
Dunia Jordan | Deb Krachtus
Cindy MacDonald | Lucia MacDonald
Carmella Mikol | Colleen Milburn
Janet Racina | Ravinal Roque | Mary Scheffler
Heide Wakefield-Thorne

Continued on next page.

Nursing Technical Performance Standards

Nursing is a practice discipline with cognitive, sensory, affective, and psychomotor performance requirements. Based on those requirements and [the State of Illinois licensing requirements], a list of “Performance Standards” has been developed. Each standard has an example of an activity or activities that a potential student will be required to perform while enrolled in the nursing program.

Issue	Standard	Examples of Required Activities (Not all inclusive)
Visual	Visual ability for observation and assessment necessary in the operation of equipment and care of patients.	<ul style="list-style-type: none"> • Ability to observe subtle changes in patients such as skin color intensity, color coded supplies and abnormal skin conditions. • Ability to view various equipment settings such as patient monitors, infusion pumps, syringes with minute calibrations and Intravenous and medication labels. • Ability to view computer records necessary for patient care. • Ability to perform procedures using hand-to eye-coordination. • Ability to read medication administration records in paper or electronic format.
Hearing	Auditory abilities sufficient to monitor and assess patient needs, and to provide a safe environment.	<ul style="list-style-type: none"> • Ability to hear and verbally respond to patient questions and directions from instructors, students, and staff, in person and/or over the phone. • Ability to listen to breath and heart sounds while assessing vital signs including BP, pulse, and respiration rate. • Ability to hear equipment monitors such as IV pumps, bed alarms and heart monitors. • Ability to hear patient call lights. • Ability to hear faint body sounds (heart sounds, bowel sounds) and assess placement of tubes. • Ability to hear in situations where masks are required such as surgery or isolation rooms.
Tactile	Tactile ability sufficient for patient assessment and treatment and operation of equipment	<ul style="list-style-type: none"> • Ability to perform the required techniques using patient equipment such as probes, sensors, pumps, bed controls, monitors, and computers. • Ability to perform palpation of pulses in a variety of locations on the body. • Ability to palpate the body surface during physical assessment. • Ability to sense changes in body temperature by touch.
Mental	Mental ability sufficient for patient assessment and treatment and operation of equipment and care of patients.	<ul style="list-style-type: none"> • Ability to visually concentrate and focus attention, thoughts, and efforts on patients and equipment for varying periods of time. • Ability to respond to patients’ changing physical conditions • Ability to function in rapidly changing and high stress situations and environments. • Ability to respond in a calm manner during an emergency situation.

Continued on next page.

Issue	Standard	Examples of Required Activities (Not all inclusive)
Environmental Requirements	Physical health sufficient enough to be able to tolerate certain conditions present in the clinical setting.	<ul style="list-style-type: none"> • Ability to tolerate risks or discomforts in the clinical setting that require special safety precautions, additional safety education, health risk monitoring, working with sharps, chemicals, and infectious disease. Students may be required to use protective clothing or gear such as masks, goggles, gloves.
Communication	Communication abilities sufficient for interaction with others in verbal and written form.	<ul style="list-style-type: none"> • Ability to effectively communicate to the patients in order to assess, instruct, relieve anxiety, converse, gain their cooperation during procedures, provide care and treatments, dispense medications, and understand the patients when they are communicating symptoms of a medical emergency. • Ability to obtain information, explain treatment procedures, initiate health education training, and describe patient situations • Ability to perceive non-verbal communications • Ability to document following ethical and legal guidelines • Ability to read the patient’s medical history and/or medical consult. • Ability to document own actions and patient responses as indicated. • Ability to collaborate with other members of the health care team verbally, on the phone or in writing. • Ability to accurately report a patient’s condition to others verbally, on the phone or in writing.
Mobility	Physical abilities sufficient to move from room to room and maneuver in small spaces.	<ul style="list-style-type: none"> • Ability to assist all patients in turning, moving in bed, transferring, and ambulating according to individual needs and abilities. • Ability to move in confined spaces. • Ability to stand and walk for prolonged periods of time. • Ability to squat, bend, and stoop. • Ability to push, pull, and lift 50 lbs. • Ability to push a wheelchair, cart, bed, or equipment without injury to self, patient, or others. • Ability to reach above the shoulders to assess and maintain IV fluids or bedside monitors.
Motor Skills	Gross and fine motor abilities sufficient to provide safe effective patient care.	<ul style="list-style-type: none"> • Physically be able to administer emergency care including performing CPR. • Ability to execute the small muscle hand and finger movements required to safely perform nursing procedures such as medication administration, intravenous therapy, dressing changes, and tube or catheter insertion and removal. • Ability to grasp, twist and manipulate small objects such as IV tubing, syringes, droppers, and medication packaging.

Issue	Standard	Examples of Required Activities (Not all inclusive)
Critical Thinking	Critical thinking ability sufficient for safe clinical judgment.	<ul style="list-style-type: none"> • Ability to recognize cause-effect relationships in clinical situations. • Ability to develop and implement nursing diagnoses and patient care plans. • Ability to assess subtle changes in a patient’s condition and respond appropriately. • Ability to evaluate patient information such as assessment data, vital signs, or laboratory values and respond appropriately. • Ability to safely administer medications and understand the actions and potential reactions. • Ability to initiate proper emergency care protocols, including CPR, based on assessment data.
Interpersonal Behavioral and Social Skills	Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	<ul style="list-style-type: none"> • Ability to establish rapport with patients, families, and colleagues. • Ability to allow mature, sensitive, and effective relationships with patients and fellow workers (interpersonal skills). • Ability to tolerate a physically taxing and mentally challenging workload. • Ability to function effectively under stress. • Ability to adapt to changing environments (flexible schedules, emergency conditions, multiple interruptions, noised, distractions). • Ability to display compassion, professionalism, empathy, integrity, concern for others, and interest and motivation. • Ability to negotiate in situations of conflict and appropriately resolve the conflict.

The American with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 and College of Lake County policy prohibits discrimination against individuals with disabilities. One of the purposes of this document is to ensure that students are aware of the requirements of this program and acknowledge their understanding of the program requirements. Students who have a disability and are in need of accommodations or modifications must contact the Office for Students with Disabilities (“OSD”). The OSD will determine whether or not any reasonable accommodations or modifications can be provided.



NURSE ASSISTING

Biological and Health Sciences Division
Room B213 (847) 543-2042
www.clcillinois.edu/programs/nur/options/na

NURSE ASSISTING (Certificate) Plan 21NB

Upon successful completion of this program, students must take the Illinois Nurse Aide Competency Examination (INACE) to become a Certified Nurse Assistant (CNA).

CNAs are assistants to licensed nurses. They provide hands-on care to those who are unable to care for themselves. In this program, students learn nurse assisting skills and related knowledge necessary to care for the elderly. Emphasis is placed on the role of the CNA as part of the healthcare team and its legal and ethical implications.

This course consists of both classroom and clinical experiences. Day, evening, weekend, and blended options are available. Classes are offered at all CLC campuses. Clinicals are conducted at healthcare facilities throughout the community.

This program is approved by the Illinois Department of Public Health (IDPH), 525 West Jefferson, Springfield, IL 62761, www.idph.state.il.us. To successfully complete the course, students must satisfy the state required hours of attendance. **Students who fail to attend the first day of class or clinical or fail to meet the state required hours of attendance will not be allowed to continue in the course.** Students MUST OFFICIALLY WITHDRAW THEMSELVES from the course by the refund date listed in the current class schedule in order to cancel their financial obligations.

The State of Illinois Health Care Worker Background Check Act of 1995 requires a fingerprint criminal background check on all individuals registering for the program. Students with disqualifying convictions will not be allowed to register. Disqualifying convictions can be viewed at www.idph.state.il.us/nar.

PREREQUISITES

- Be at least 16 years of age.
- Have a valid social security number.
- Complete a fingerprint criminal background check for the IDPH Health Care Worker Registry.
- Complete a urine drug screen with negative results.
- Meet the Reading Requirement.
- Meet the Health Requirements.

For information on how to meet the above prerequisites and for additional program information, refer to the Nurse Assisting Fact Sheet at

www.clcillinois.edu/programs/nur/options/na.

Note: CNA certification is a prerequisite for the Associate in Applied Science Nursing Program. While many nurse assisting students continue on to become nurses, others pursue careers in a variety of other healthcare fields.

CERTIFICATE REQUIREMENTS

To receive the *Nurse Assisting Certificate of Course Completion*, and to be eligible to take the INACE to become a CNA, a student must receive a minimum grade of "C" in the following course, meet attendance requirements, and demonstrate competency in all nurse assisting skills.

FIRST SEMESTER	7
NUR 110 Nurse Assisting	7
Blended course (combined online and in-person) option available	

Total Hours for Certificate of Course Completion	7
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For more information contact the Nursing Education Office at (847) 543-2043 or nuroffice@clcillinois.edu.

PHARMACY TECHNICIAN

Biological and Health Sciences Division
Room B213 (847) 543-2042
www.clcillinois.edu/programs/phm

PHARMACY TECHNICIAN (Certificate) Plan 21MJ

College of Lake County's Pharmacy Technician Certificate program is designed to provide students with the necessary education and experience to become a nationally certified pharmacy technician and obtain employment in the industry. The program is 11 months in length and will consist of classroom, hands-on simulation laboratory and clinical rotations. Graduation from the program will provide students with the education and certificate necessary to sit for the national Pharmacy Technician Certification Exam® (PTCE®). Upon completion of this program, students must take the PTCE exam to become a Certified Pharmacy Technician (CPhT).

REQUIREMENTS FOR PROGRAM:

- Highschool Diploma or Equivalent
- 18 years of age
- Submit to Background Check:
Have never been convicted of a felony or had a health license/registration revoked/disciplined
- Meets College Algebra Readiness requirements
- Meets College Reading and Writing Readiness requirements
- Proof of Immunizations per program requirement: <http://dept.clcillinois.edu/hea/RequirementsHealthCareerPrograms.pdf>

For instructions on how to complete the above requirements, visit www.clcillinois.edu/programs/phm

CORE COMPETENCIES:

- Personal/interpersonal knowledge and skills
- Foundational professional knowledge and skills
- Processing and handling of medications and medication orders
- Patient care, quality and safety knowledge and skills
- Regulatory and compliance knowledge and skills

PROGRAM STRUCTURE

Cohort Model

- Target of 24 students per cohort
- 11 month completion
- Program consists of lecture, online learning, simulated lab, and clinical rotations
- Clinical Rotations occur 3rd term in Hospital and Community Retail Pharmacies
- Students complete a 2 week rotation in both clinical environments
- CLC Pharmacy Technician Clinical Rotations is 140 total hours (70 hours in a hospital and 70 hours in community retail pharmacy).

PROGRAM COMPLETION AND GOAL OUTCOMES:

- Students sit for the national Pharmacy Technician Certification Exam® (PTCE®) :
Goal: 100% pass-rate
- Employment and job placement for students who complete the CLC pharmacy technician accredited program:
Goal: 100% employment placement
- Program satisfaction collected from the student and applicable employer

PHARMACY TECHNICIAN CAREER:

Pharmacy technicians are crucial to the operation of a pharmacy. Pharmacy technicians perform a vast array of functions in the healthcare industry. In this program, you will learn the vital skills to work in a pharmacy and assist the pharmacists in providing positive healthcare outcomes for patients and the community. Due to the changing landscape of healthcare pharmacy technician positions are currently in high demand. The job outlook is 7% faster than average. Typical jobs of a Certified Pharmacy Technician include Pharmacy Technician, Pharmacy Technician Manager, Pharmacy Retail Manager and Pharmacy Specialist

SALARY OUTLOOK:

- The 2019 median wage in Lake County, IL is \$36,819, while the national median wage is \$33,946.
- Regional compensation is 8% higher than national compensation.

JOBS IN THE AREA:

- An average of 1,800 annual openings in Illinois

Continued on next page.



TYPICAL PHARMACY TECHNICIAN DUTIES:

A pharmacy technician assists a pharmacist with the preparation of prescription medications for customers. He or she may receive written prescription requests or may process requests from doctors' offices that doctors' offices have sent electronically or by phone. Other job responsibilities include: filling bottles with doctor-prescribed medications, typing and applying labels with directions and other information for patients, pre-packing bulk medications, handling any required cash register operations, resolving issues, concerns or complaints made by customers, calling doctors for prescription refill authorizations, keeping detailed records of on-hand medications and other stock and resolving any issues with patients insurance coverage

NOTES:

- Please note that admission to College of Lake County does not necessarily guarantee acceptance to the Pharmacy Technician Program.
- Pharmacy Technician students must pass all courses in the program curriculum with at least a C and maintain a minimum term GPA of 2.0 to proceed through the program.

Classes are in sequential order - Medical Terminology may be taken first or second semester.

FIRST SEMESTER (FALL)		10
CLC 120 ^	College Success Seminar	[2]
PHM 120	Pharmacy Practice and Operations for Technicians	4
HIT 111	Medical Terminology (may be taken 2nd term)	3
PHM 130	Pharmacy Calculations for Pharmacy Technicians	3
SECOND SEMESTER (SPRING)		6
PHM 151	Pharmacy Lab and Simulation	3
PHM 150	Pharmacy Law and Ethics	3
SUMMER SESSION		6
PHM 201	Pharmacy Rotation Community	2
PHM 202	Pharmacy Rotation Hospital	2
PHM 190	Pharmacy Exam Certification Review	2
Total Hours for Certificate		22

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

Note: This program is based at the Southlake Campus in Vernon Hills.

For more information on recommended courses or program specific advising, contact Derek Leiter at (847) 543- 6506 or the Biological and Health Sciences Division at (847) 543-2042

PHLEBOTOMY TECHNICIAN

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/pbt

PHLEBOTOMY TECHNICIAN (Certificate) Plan 21MP

This certificate prepares students for entry level competencies as phlebotomists in hospitals, clinics, blood banks, and other health care settings. Students will develop skills in performing phlebotomy procedures during on-campus training followed by a clinical practicum during which students spend eight hours a day, five days a week for three weeks (120 hours) at a clinical site during the daytime shift.

This program is approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS): 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119, web: www.naacls.org; phone (773) 714-8880; fax: (773) 714-8886; e-mail: info@naacls.org.

Graduates of this program are eligible for registry by nationally recognized certifying agencies. A high school diploma (or equivalent) is required to take the certification exam.

This is not a limited enrollment program, however, seats fill quickly. Day and evening options are available.

ACADEMIC PROGRAM ENTRANCE REQUIREMENTS

- Demonstrate College Reading and Writing Readiness and Basic Algebra Readiness prior to enrolling in PBT 110
- If a student has a CLC GPA, it must be 2.0 or higher
- Be at least 18 years old
- Attend an information session (within 2 years)
- High school graduate; GED or equivalent; or associate degree or higher
- Completion of a fingerprinting background check for the IDPH Health Care Worker Registry - <http://dept.clcillinois.edu/nur/DisclosureAndAuthorizationForm.pdf>
- Completion of Student Drug Screening Procedure that shows normal results-
http://dept.clcillinois.edu/biodv/PBT_DrugScreeningProcedure.pdf
http://dept.clcillinois.edu/biodv/PBT_DrugScreenConsent.pdf
- Proof of immunization required
<http://dept.clcillinois.edu/hea/requirementshealthcareerprograms.pdf>

Note: This program is based at the Lakeshore (Waukegan) Campus.

NON-ACADEMIC PROGRAM ENTRANCE REQUIREMENTS

Because of inherent requirements of the profession, the following minimum abilities, i.e. essential functions, are expected of the student:

- Psychomotor skills (eye-hand coordination and finger dexterity) sufficient for safe and successful practice of phlebotomy
- Visual acuity (normal or corrected vision) sufficient for safe and successful practice of phlebotomy
- Adequate English verbal and written communication skills to safely and successfully interact with peers, supervisors and other members of the health care team
- Proof of influenza immunization within 12 months of registering. Immunizations are not given from March through August.

Students must earn a minimum grade of "C" in each Phlebotomy course to be able to continue in and graduate from the program.

FIRST SEMESTER		6
PBT 110	Introduction to Medical Laboratory Technology	2
PBT 115	Phlebotomy Techniques	2
PBT 116*	Phlebotomy Clinical	2
Total Hours for Certificate		6

- * To be eligible to enroll in PBT 116 Phlebotomy Clinical, students must:
- Earn a grade of "C" or better in PBT 110 and PBT 115
 - Hold current Healthcare Provider CPR from American Heart Association
 - Have an overall CLC GPA of 2.0 or higher
 - Provide proof that all immunizations required to satisfy the phlebotomy health requirements are completed
 - Complete a 10 panel urine drug screening with normal negative results (test date must be less than 12 months old)
 - Show as Eligible on the IDPH Health Care Worker Registry based upon the results of a FEE_APP fingerprinting background check
 - Have permission of the department chair

For instructions on how to complete the above requirements, visit www.clcillinois.edu/programs/pbt/getting-started

For more information on recommended courses or program specific advising, contact faculty members Angela Norwood at (847) 543-2184, Ken Rhodes at (847) 543-2157, or the Biological and Health Sciences division at (847) 543-2042. Faculty maintain confidentiality and impartiality when advising and guiding students through the program.





PRE-DENTISTRY
Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/dnt

Degree: Associate in Arts
Plan 13AB-DNT

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an academic success advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER	12-13
CLC 120 ^	College Success Seminar [2]
ENG 121	English Composition I 3
CHM 121 *	General Chemistry I 5
MTH 145	Calculus I or
MTH 222	Business Statistics 4-5

SECOND SEMESTER	15
BIO 161 *	General Biology 4
CHM 123 *	General Chemistry II 5
ENG 122	English Composition II 3
	Humanities Elective 3

THIRD SEMESTER	17
ANT 221	Cultural Anthropology or other Social Science Elective 3
BIO 162 *	General Biology II 4
CHM 222 *	Organic Chemistry I 5
PHY 121 *	General Physics I 5

FOURTH SEMESTER	16
PHI 125	Introduction to Ethics or other Humanities Elective 3
CMM 121	Fundamentals of Speech 3
SOC 121	Introduction to Sociology or other Social Science Elective 3
PSY 121	Introduction to Psychology or other Social Science Elective 3
	Fine Arts Elective 3
	Elective 1

Total Hours for A.A. Degree 60-61

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* Some transfer institutions may accept sequential courses (I and II) **only** if both courses are taken. Check with your transfer institution regarding the need to also take CHM 223 and PHY 122.

For more information on recommended courses or program specific advising, contact the following faculty members or the Biological and Health Sciences division at (847) 543-2042:

Mary Jacobs | Cynthia Trombino

PRE-MEDICINE

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/med

**Degree: Associate in Arts
Plan 13AB-MED**

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER	12
CLC 120 ^ College Success Seminar	[2]
BIO 161 * General Biology	4
CHM 121 * General Chemistry I	5
ENG 121 English Composition I	3
SECOND SEMESTER	16-17
BIO 162 * General Biology II	4
CHM 123 * General Chemistry II	5
ENG 122 English Composition II	3
MTH 145 Calculus I or	
MTH 222 Business Statistics	4-5
SUMMER SESSION	6
PHI 125 Introduction to Ethics or other Humanities Elective	3
PSY 121 Introduction to Psychology	3

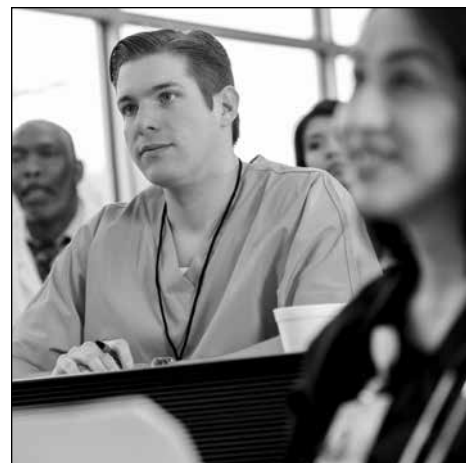
THIRD SEMESTER	14
ART 121 Introduction to Art or other Fine Arts Elective	3
BIO 127 Introduction to Evolution or BIO 149 Genetics and Society or other elective	3
HUM 127 Critical Thinking or other Humanities or Fine Arts Elective	3
PHY 121 * General Physics I	5
FOURTH SEMESTER	14
ANT 221 Cultural Anthropology or other Social Science Elective	3
CMM 121 Fundamentals of Speech	3
PHY 122 * General Physics II	5
SOC 121 Introduction to Sociology or other Social Science Elective	3

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* Some transfer institutions may accept sequential courses (I and II) **only** if both courses are taken. Check with transfer institution.

Students should plan to take Organic Chemistry at CLC or their transfer institution in order to be prepared for the Medical College Admission test (MCAT).

For more information on recommended courses or program specific advising, contact faculty member Lakshmi Gollapudi at (847) 543-2324 or the Biological and Health Sciences Division at (847) 543-2042.





PRE-OCCUPATIONAL THERAPY

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.cicillinois.edu/programs/occ

Degree: Associate in Arts
Plan 13AB-OCC

Occupational Therapists are licensed health care practitioners who work with patients to improve their ability to perform tasks in living, school, and/or work environments. They help people across the lifespan to do things they want and need to do through the therapeutic use of daily activities. Occupational Therapists assist patients to perform all types of activities, from using a computer, to implementing interventions to help children with disabilities participate fully in school and social situations, to other activities such as caring for daily needs (e.g. dressing, cooking, and eating). The goal is to help patients have independent, productive, and satisfying lives. For each patient, Occupational Therapists conduct an individualized evaluation, create a customized intervention to improve the person's ability to perform daily activities and reach goals, and conduct outcome evaluations to ensure that goals are being met and/or learn if changes are needed to the plan.

Students who intend to complete an AA degree at the College of Lake County and transfer to a pre-professional program at a four-year college or university should become familiar with the requirements of the institution to which they plan to transfer very early in their studies.

To complete the Pre-Occupational Therapy transfer degree students should complete the requirements for the Associate in Arts degree and choose area of concentration electives only after consulting with a the department chair.

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are also **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 and courses noted with a + sign in the list below to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		13
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
PSY 121	Introduction to Psychology	3
BIO 161*	General Biology I	4
HUM 127	Critical Thinking or other Humanities Elective	3
SECOND SEMESTER		16
HWP 240	Contemporary Health Issues	3
ENG 122	English Composition II or	
ENG 126	Advanced Composition: Scientific and Technical Communications	3
PSY 220	Lifespan Development	3
BIO 244*	Anatomy and Physiology I	4
KIN 270	Biomechanics and Kinesiology	3
THIRD SEMESTER		16
CMM 121	Fundamentals of Speech	3
BIO 245*	Anatomy and Physiology II	4
PHI 125+	Introduction to Ethics or other Humanities Elective (see page 41 for list)	3
KIN 271	Exercise Physiology	3
ANT 121	Introduction to Anthropology or other Social Science Elective	3

FOURTH SEMESTER		15
PSY 223	Abnormal Psychology	3
MTH 222	Business Statistics	4
HUM 126+	Introduction to the Performing Arts or other Fine Arts Elective (see page 41 for list)	3
CHM 121	General Chemistry I or	
PHY 121	General Physics or other Physical Science Elective	5

OTHER AREA OF CONCENTRATION ELECTIVES:

HIT 111	Medical Terminology	3
KIN 243	Theory and Practice of Fitness	2
KIN 221	Introduction to Physical Education	3
KIN 228	First Aid/CPR	2
BIO 162*	General Biology II	4

Total Hours for A.A. Degree **60**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* Some transfer institutions may accept sequential courses (I and II) only if both courses are taken. Check with transfer institution.

For more information on recommended courses or program specific advising, please contact department chair Joana Pabedinskas at (847) 543-2029 or the Biological and Health Sciences Division at (847) 543-2042.



PRE-PHARMACY

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/phr

Degree: Associate in Arts
Plan 13AB-PHR

The following courses are **recommended** for students who have not decided upon a specific four-year college or university or Pharmacy program. Once a Pharmacy school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
BIO 161	General Biology I	4
CHM 121	General Chemistry	5
ENG 121	English Composition I	3
PSY 121	Introduction to Psychology	3

SECOND SEMESTER		17
BIO 162	General Biology II	4
CHM 123	General Chemistry II	5
ENG 122	English Composition II	3
MTH 145	Calculus I	5

THIRD SEMESTER		14
ANT 221	Cultural Anthropology <i>or</i> other Social and Behavioral Science elective	3
CHM 222	Organic Chemistry I	5
CMM 121	Fundamentals of Speech	3
ECO 221	Principles of Macroeconomics	3

FOURTH SEMESTER		14
CHM 223	Organic Chemistry II	5
HUM 127	Critical Thinking <i>or</i> other Humanities elective	3
PHI 125	Logic <i>or</i> or other Humanities or Fine arts elective	3
ART 121	Introduction to Art <i>or</i> other Fine arts elective	3

Total Hours for A.A. Degree **60**

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* Some transfer institutions may accept sequential courses (I and II) **only** if both courses are taken. Check with transfer institution.

Note: Anatomy & Physiology I and II (BIO 244 & 245), Physics I and II (PHY 121 +122) along with Biochem (CHM 225) would also be required for admittance into most Pharm D programs

For more information on recommended courses or program specific advising, contact Tara Simmons at (847) 543-2309 or the Biological and Health Sciences Division at (847) 543-2042.

PRE-PHYSICAL THERAPY

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/ppt

Degree: Associate in Science
Plan 11AB-PPT

Physical Therapists are licensed health care practitioners who assist patients to reduce pain and improve or restore mobility. They can teach patients how to prevent or manage their condition(s) so that they may achieve long term health and wellness benefits. Physical Therapists examine each patient and develop a plan, using treatment techniques to promote the ability to move, reduce pain, restore function, and prevent disability. They also work with individuals to prevent the loss of mobility before it occurs by developing fitness- and wellness-oriented programs for more active lifestyles.

Students who intend to complete an AS degree at the College of Lake County and transfer to a pre-professional program at a four-year college or university should become familiar with the requirements of the institution to which they plan to transfer very early in their studies.

To complete the Pre-Physical Therapy transfer degree students should complete the requirements for the Associate in Science degree and choose area of concentration electives only after consulting with the department chair.

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are also **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 and a course indicated with a + sign in the list below to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
PSY 121	Introduction to Psychology	3
BIO 161*	General Biology	4
MTH 145	Calculus I and Analytic Geometry	5

SECOND SEMESTER		15
ENG 122	English Composition II <i>or</i>	
ENG 126	Advanced Composition: Scientific and Technical Communications	3
HUM 127	Critical Thinking <i>or</i> other Humanities Elective	3
CHM 121	General Chemistry I	5
BIO 244*	Anatomy & Physiology I	4

THIRD SEMESTER		16
CMM 121	Fundamentals of Speech	3
BIO 245*	Anatomy and Physiology II	4
PHY 121*	General Physics I	5
MTH 222	Business Statistics	4

FOURTH SEMESTER		14
ANT 121	Introduction to Anthropology <i>or</i> other Social Science Elective	3
HUM 126+	Introduction to the Performing Arts <i>or</i> other Fine Arts Elective (see page 41 for list)	3
CHM 123*	General Chemistry II	5
KIN 271	Exercise Physiology	3

OTHER AREA OF CONCENTRATION ELECTIVES:		
KIN 270	Biomechanics and Kinesiology	3
HWP 240	Contemporary Health Issues	3
KIN 243	Theory and Practice of Fitness	2
KIN 221	Introduction to Physical Education	3
KIN 228	First Aid/CPR	2
HIT 111	Medical Terminology	3
BIO 162*	General Biology II	4
PHY 122*	General Physics II	5
PSY 220	Lifespan Development	3
PSY 223	Abnormal Psychology	3

Total Hours for A.S. Degree **60**

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

* Some transfer institutions may accept sequential courses (I and II) only if both courses are taken. Check with transfer institution.

For more information on recommended courses or program specific advising, please contact department chair Joana Pabedinskas at (847) 543-2029 or the Biological and Health Sciences Division at (847) 543-2042.





PRE-VETERINARY MEDICINE

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/vet

Degree: Associate in Arts
Plan 13AB-VET

The following courses are **recommended** for students who have not decided upon a specific four-year college or university. Once a transfer school is selected, students are **strongly encouraged** to meet with an Academic Success Advisor to determine courses at CLC which will also meet the transfer requirements. To complete any transfer degree, students should select from the general education requirements outlined on page 28.

All course prerequisites must be met. Additionally, students are required to select one course from the International/Multicultural list on page 28 to meet graduation requirements. A grade of C or better is required for all English course requirements.

FIRST SEMESTER		15
CLC 120 ^	College Success Seminar	[2]
ENG 121	English Composition I	3
CHM 121 *	General Chemistry I	5
MTH 222	Business Statistics	4
PSY 121	Introduction to Psychology <i>or</i> other Social Science Elective	3

SECOND SEMESTER		15
BIO 161 *	General Biology I	4
ENG 122	English Composition II <i>or</i>	
ENG 126	Advanced Composition: Scientific and Technical Communications	3
HUM 121	Humanities: Ancient Times to the Middle Ages <i>or</i> other Humanities Elective	3
CHM 123 *	General Chemistry II	5

THIRD SEMESTER		16
ART 121	Introduction to Art <i>or</i> other Fine Arts Elective	3
BIO 162 *	General Biology II	4
CMM 121	Fundamentals of Speech	3
PHI 125	Introduction to Ethics <i>or</i> other Humanities or Fine Arts Elective	3
SOC 121	Introduction to Sociology <i>or</i> other Social Science Elective	3

FOURTH SEMESTER		15
ANT 221	Cultural Anthropology <i>or</i> other Social Science Elective	3
BIO 127	Introduction to Evolution	4
BIO 221	General Zoology	4
CHM 125	Elementary Organic Chemistry	5

Total Hours for A.A. Degree **61**

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* Check if your transfer school accepts sequential courses (I and II) only if both courses are taken.

Please make sure to check with your transfer school to verify all of their unique requirements.

University of Veterinary Medicine in Champaign-Urbana, Illinois asks of A.A. degree students to pass not just CHM 222, CHM 223, and CHM 125 courses, but also biochemistry course which is currently not offered at CLC. University of Veterinary Medicine in Madison, Wisconsin also asks of A.A. degree students to pass 3-semester hour course in biochemistry and another 3-semester hour course in statistics.

For more information on recommended courses or program specific advising, contact faculty member Jason Cashmore at (847) 543-6538 or the Biological and Health Sciences Division at (847) 543-2042.

SURGICAL TECHNOLOGY

Biological and Health Sciences Division
Room B213, (847) 543-2042
www.clcillinois.edu/programs/srg

This is a limited-enrollment, day only program. Students are required to meet the screening requirements in effect at the time of screening. Students who screen and are accepted into a limited enrollment program will be required to complete the curriculum that is in place at the time of entrance into the program. If students who screen are not granted admission, they must rescreen and satisfy all screening and curriculum requirements in place for a future program start. See page 30 for more information about the CAREERS agreement.

**SCREENING DEADLINE:
FIRST WEDNESDAY IN MARCH**

Surgical technologists are allied health professionals who are integral to the surgical team. They assist in the decontamination and set up of the operating rooms for each procedure, organize the necessary surgical and sterile supplies and equipment, and maintain the quality, safety, and efficiency of the sterile field throughout the surgery.

Surgical technologists might also be involved in transporting patients to and from the operating room, assisting to position patients on the operating table, observing vital signs and checking charts.

During the surgery, technologists help the surgical team with sterile gowns and gloves, they anticipate the needs of the surgeon by watching and understanding the steps and progression of the surgical procedure. They are accountable for the care of surgical instrumentation and equipment before, during, and at the completion of surgical cases.

Graduates of the program are qualified to take the Certified Surgical Technologist (CST) Examination given by the National Board of Surgical Technology and Surgical Assisting (NBSTSA). To complete an A.A.S., students must complete the required general education courses. All course prerequisites must be met.

Upon acceptance into the program, students are required to undergo a background check and a urine drug screen. The results of the background check and drug screen may result in the student losing his/her seat in the program. The costs are borne by the student.

**TO BE CONSIDERED FOR ADMISSION TO
THE SURGICAL TECHNOLOGY PROGRAM,
STUDENTS MUST COMPLETE THE
FOLLOWING SCREENING REQUIREMENTS
PRIOR TO THE SCREENING DEADLINE.****Students must have submitted the following
documents to the Welcome and One-Stop
Center:**

- A. Student Information Form
- B. **Official** high school transcript with graduation date
OR
Official GED test scores
OR
Official college transcripts with graduation date and degree awarded
OR
Official foreign high school or college transcript evaluated by a NACES approved agency
- C. Surgical Technology Program Request for Screening Form
- D. If using courses from another college to meet prerequisites or degree requirements, submit an official transcript and a "Request for Evaluation of Prior College Transcripts" form to the Office of Registrar and Records.

**MINIMUM SELECTION CRITERIA:
STUDENT RECORDS MUST INDICATE
THE FOLLOWING:**

- A. High school graduate or equivalent or high school senior in last term
- B. College Reading and Writing Readiness and Basic Algebra Readiness
- C. CLC Cumulative GPA is 2.0 or above
- D. NLN PAX with minimum acceptable RN percentile rank scores of 40 in the verbal and 40 in the math sections, and a composite percentile of 40 (within 3 years prior to the screening deadline)
- E. Attendance at a Surgical Technology Information Session (within two years of the screening deadline)

PROGRAM ACCREDITATION

The Association of Surgical Technologists (AST) requires that surgical technologists who are applying for certification for the first time must have completed their education in a program that is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The CLC surgical technology program is fully accredited by CAAHEP, 25400 U.S. Highway 19 North, Suite 158, Clearwater, FL 33763.

Continued on next page.



PHYSICAL AND EMOTIONAL ABILITY PERFORMANCE STANDARDS

Students must meet the physical and emotional ability standards listed below to satisfactorily perform in the Surgical Technology program. Students must:

- have full range of motion of joints, fine motor movements of the hands, ability to perform repetitive tasks and the ability to stoop, bend, twist, reach and occasionally kneel and squat.
- have the ability to lift and carry objects weighing up to 50 pounds.
- be able to push or pull a wheelchair, cart, or gurney.
- have adequate hearing which permits the individual to communicate in a rational and coherent manner with others in the English language.
- have the ability to examine closely images or other forms of output created by diagnostic equipment; must have color vision; must have good visual acuity for client assessment, checking medications, loading fine sutures, distinguishing and recognizing fine variations and differences in surgical instruments.
- adapt effectively to high stress environments to insure client safety.
- respond in an emotionally controlled manner in learning situations.
- be able to stand and walk 8 or more hours per clinical session.

Please contact the SRG department chair Elliott Egger at (847) 543-2825 if you have questions regarding your ability to meet these standards.

PHYSICAL DEMANDS FOR THE SURGICAL TECHNOLOGY PROGRAM

Constant (67 – 100%)

- talking, seeing, and hearing
- standing for prolonged periods
- walking at average speed or faster
- responding quickly to orders
- manual dexterity

Frequent (34 – 66%)

- lifting and moving patients
- kneeling, bending, stooping
- pushing, pulling, reaching
- refraining from nourishment

Occasionally (10 – 33%)

- exert up to 100 pounds of force

The number of students that may be admitted to clinical education courses is limited for any given term; therefore, a screening procedure is used to select the academically best qualified from among those who request consideration.

Preference is given to residents of Community College District 532 (CLC) and residents of other community college districts with which CLC has a Joint Education Agreement.

Students who live outside of CLC’s district but are eligible for in-district tuition because they are employed by a district employer are NOT considered residents of the district for purposes of selection into the program.

Note: Applicants may take the NLN PAX exam once every 90 days (approximately three months). NLN PAX exam results that are less than 90 days between exams will not be considered. Scores used for screening into limited enrollment programs will be valid for only 3 years prior to a screening deadline. Scores older than 3 years will not be considered for screening. Visit www.nlnonlinetesting.org for available test dates and times or visit the Surgical Technology web page at www.clcillinois.edu/programs/srg. Instructions for registering for the test are available on the web page.

All required materials must be submitted to the Records Office by the screening deadlines.

If space is available in the program after the initial screening deadline, qualified students will be accepted in an order based on academic qualifications.

Students must maintain a minimum grade of “C” in each of the courses listed below to continue in and graduate from the program. In addition, students must maintain a CLC GPA of 2.0 or higher.

SURGICAL TECHNOLOGY
Degree: Associate in Applied Science,
Surgical Technology
Plan 21SA

FIRST SEMESTER (Summer)		4
BIO 123	Principles of Biology	4
CLC 120 ^	College Success Seminar	[2]

SECOND SEMESTER (Fall)		13
BIO 111	Human Form and Function <i>or</i>	
BIO 244	Anatomy and Physiology I	4
CMM 123*	Dynamics of Small Group Discussion <i>or</i>	
CMM 128*	Interviewing Practices	3
ENG 120*	Technical Composition I <i>or</i>	
ENG 121*	English Composition I	3
HUM 127	Critical Thinking	3

THIRD SEMESTER (Spring)		8-14
BIO 245	Anatomy and Physiology II (only if completing the BIO 244/245 sequence)	4
HIT 111	Medical Terminology	3
PSY 121*	Introduction to Psychology	3
SRG 119**	Essentials of Microbiology <i>or</i>	
BIO 246	Microbiology	2-4

FOURTH SEMESTER (Fall)		13
SRG 110	Introduction to Surgical Technology	6
SRG 111	Principles of Practice and Introduction to Surgical Procedures	7

FIFTH SEMESTER (Spring)		15
SRG 112	Surgical Procedures I	6
SRG 113	Surgical Procedures II	6
SRG 117	Surgical Pharmacology	3

SIXTH SEMESTER (Summer)		9
SRG 114	Surgical Procedures III	3
SRG 115	Surgical Technology Internship	3
SRG 118	Advanced Surgical Procedures	3

^ **The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation.** It is not part of the program requirements but must be completed with a D or better.

* **REQUIREMENTS** (Must be completed before graduation.) We strongly recommend completing all co-curricular courses prior to beginning SRG 110, so as not to potentially delay graduation.

** SRG 119 is only offered spring semester

Note: BIO 111 & 123 or BIO 123, BIO 244 & BIO 245, HIT 111 and HUM 127 are prerequisites for SRG 110, but are not necessary before applying to the program.

Total Hours for A.A.S. Degree 62-68

For more information on recommended courses or program specific advising, contact department chair Elliot Egger at (847) 543-2825 or the Biological and Health Sciences division at (847) 543-2042.

YOGA

Communication Arts, Humanities and Fine Arts Division, Room B213, (847) 543-2040
www.clcillinois.edu/programs/dnc

**Yoga Teacher
(Certificate) Plan 23DA**

The 16 credit Yoga Teacher certificate program at CLC prepares students to teach yoga to adults and to register with Yoga Alliance as a 200-hour registered yoga teacher (RYT 200.) Yoga Alliance is the nationally recognized organization that regulates yoga teaching standards. Students will deepen their understanding of yoga by studying the foundations of yogic practice, the history and philosophy of yoga, the science of human anatomy, and the teaching methodologies needed to teach yoga safely, ethically, and professionally. This program fulfills the credentials of the Yoga Alliance 200-Hour Yoga Teacher Training Registration. Upon completion of the CLC certificate, students may register online with Yoga Alliance for the RYT 200 designation. The Yoga Instructor Certificate is designed for entry level career paths in yoga, allowing instructors to teach level 1 and level II Hatha Yoga to groups and individuals. Students must earn a grade of C or better in all courses to meet required standards

FIRST SEMESTER	7
CLC 120 ^ College Success Seminar	[2]
DNC 124 Beginning Yoga*	3
DNC 160 Teaching Methods I***	3
KIN 160 Yoga I* <i>or</i>	
HWP 160 Yoga*	1

SECOND SEMESTER	9
DNC 224 Intermediate Yoga*	3
DNC 260 Teaching Methods II	3
KIN 270 Biomechanics and Kinesiology	3

Total Hours for Certificate 16

^ The credit for CLC 120, College Success Seminar, is an institutional requirement for graduation. It is not part of the program requirements but must be completed with a D or better.

- * Offered every semester
- ** Offered Fall and Spring only
- *** Offered Spring only
- # Capstone Course-Taken in final semester

For more information on recommended courses or program specific advising, contact the following faculty or the Communication Arts, Humanities and Fine Arts Division at (847) 543-2040.

Valerie Alpert | Therese Crews

