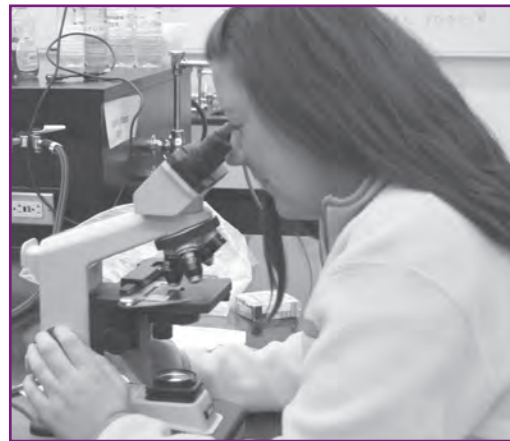


# DEGREES AND CERTIFICATES



## Academic Degrees and Certificates

Prairie State College offers associate degrees that prepare students for transfer to four-year institutions, associate degrees and certificates that prepare students for specific careers, and an associate degree that recognizes completion of a broad range of college-level courses.

### Transfer Degrees

*The Associate in Arts degree (A.A.)* includes the first two years of study for students who plan to pursue a bachelor's degree in liberal arts.

*The Associate in Science degree (A.S.)* covers the first two years of study for students pursuing a bachelor's degree in engineering, mathematics, or science.

*The Associate in Fine Arts: Art degree (A.F.A.)* is designed to prepare students to transfer as juniors into a bachelor's degree program (B.F.A.) in Studio Art. Students are encouraged to complete their core courses in art before enrolling in media specific studio courses. A portfolio review is usually required for transfer to a four-year institution.

*The Associate of Arts in Teaching degree (A.A.T.)* is a two-year program designed for students preparing for careers in secondary education. It provides a foundation in teacher education, field-based experiences, and discipline-specific content. Current A.A.T. degrees are designed to facilitate transfer for students who intend to teach in high-need disciplines.

### General Studies Degree

*The Associate in General Studies degree (A.G.S.)*, while not intended for transfer or directed at a specific occupation, allows students to design their own two-year program. See the section about A.G.S. degrees.

### Career Program Degrees and Certificates

*The Associate in Applied Science (A.A.S.)* represents completion of a minimum of 60 credit hours in a technical or career program.

*Certificates* are awarded after completion of up to 50 credits that focus on specific occupational or technical areas of study. For detailed information about career degree and certificate programs, see the Career Programs section later in the catalog.

## Illinois Articulation Initiative (IAI)

[www.itransfer.org](http://www.itransfer.org)

Prairie State College participates in the Illinois Articulation Initiative (IAI), a statewide transfer agreement among more than 100 participating colleges, universities, or community colleges in Illinois. IAI works best for students who know they are going to transfer but are undecided on the college or university that will grant their bachelor's degree. All colleges and universities participating in the IAI agree to accept a "package" of IAI general education courses in lieu of their own comparable lower-division general education requirements. It is important to keep in mind that the IAI General Education Core Curriculum transfers as a package. Course-to-course transfer is not guaranteed. IAI also includes major recommendations for the first two years of college in several popular majors. Faculty panels, which have expertise in the major field of study, created these recommendations. IAI major recommendations work best for students who have chosen their majors, are going to eventually transfer, but are undecided on the college or university that will grant their bachelor's degree.

### Understanding IAI

1. The IAI Agreement and the iTransfer Web site are designed to simplify transferring to any participating school. Always seek the advice of academic advisors at PSC and the school you plan to attend when making transfer plans.
2. Articulation is the process of transferring courses from one school to another and identifying the way the classes will be used at the receiving school.
3. The Illinois General Education Core Curriculum is for transfer students only.
4. To guarantee that you receive full credit, you should complete the Illinois General Education Core Curriculum package before transferring. When it is not completed before transfer, each college or university decides how to apply each individual course.
5. The Illinois General Education Core Curriculum requires a total of 12 to 13 courses (37 to 41 semester credits).
6. The General Education requirements at PSC are aligned with the five major areas (fields or categories) within the Illinois General Education Core Curriculum: Area A-Communication, Area B-Humanities and Fine Arts, Area C-Mathematics, Area D-Physical and Life Sciences, and Area E-Social and Behavioral Sciences.
7. The Illinois General Education Core Curriculum became effective statewide in the summer of 1998.
8. Application of credit earned prior to summer 1998 is the decision of the receiving institution. For information about IAI and graduation requirements, see page 48.
9. There are two types of undergraduate degrees: the associate degree and the bachelor's degree.
10. The IAI identifies courses which will apply to specific majors. PSC students are encouraged to complete an Associate in Arts, Associate in Science, Associate in Fine Arts, or Associate of Arts in Teaching degree prior to transfer.

## IAI Participating Schools

There are 98 schools in Illinois that are currently recognized by IAI as full-participating schools, and 14 schools currently recognized as a receiving-only schools. In addition to two-year public colleges (48 schools), there are two-year independent institutions, and four-year public and independent institutions. The following list of four-year institutions is provided to assist in transfer planning. Institutions identified as [R] are receiving institutions only.

### Four-Year Public Institutions

- Chicago State University
- Eastern Illinois University
- Governors State University [R]
- Illinois State University
- Northeastern Illinois University
- Northern Illinois University
- Southern Illinois University at Carbondale
- Southern Illinois University at Edwardsville
- University of Illinois at Chicago
- University of Illinois at Springfield
- University of Illinois at Urbana-Champaign
- Western Illinois University

### Four-Year Independent Institutions

- American InterContinental University [R]
- Argosy University [R]
- Aurora University
- Benedictine University
- Blackburn College
- Bradley University
- Concordia University - Chicago
- DePaul University
- DeVry University
- Dominican University
- East-West University [R]
- Elmhurst College
- Eureka College [R]
- Illinois College
- Illinois Institute of Art
- Illinois Institute of Technology [R]
- ITT Technical Institute [R]
- Judson University
- Kendall College
- Knox College [R]
- Lake Forest College [R]
- Lewis University
- Lexington College
- Lincoln Christian University
- Lincoln College
- Loyola University Chicago [R]
- MacMurray College
- McKendree College
- Midstate College
- Millikin University
- National Louis University
- North Central College
- North Park University
- Northwestern Business College [R]

- Olivet Nazarene University
- Quincy University
- Resurrection University [R]
- Robert Morris University
- Rockford College
- Roosevelt University
- Saint Xavier University
- Solex College [R]
- St. Augustine College
- The College of Office Technology [R]
- Trinity Christian College
- Trinity International University
- University of St. Francis

Additional information about the IAI is available from the Prairie State College Transfer Coordinator or by visiting the IAI Web site at [www.itransfer.org](http://www.itransfer.org).

### IAI Course Codes

IAI has its own course numbering sequence for the Illinois Transferable General Education Core Curriculum. Here is an example of an IAI GECC course – S7 903D: Racial and Ethnic Relations

This code would be noted for a PSC course listed in this catalog as follows:

SOCIO 220 Race Relations: A Multicultural Perspective (IAI: S7 903D)

The first letter in the IAI GECC code indicates the discipline field for the course. The letter S, for example, indicates Social/Behavioral Sciences. IAI letter codes and their corresponding disciplines are as follows:

#### *General Education Core Curriculum Course Codes:*

- IAI: C Communications
- IAI: F Fine Arts
- IAI: H Humanities
- IAI: HF Interdisciplinary Humanities/Fine Arts
- IAI: HS Interdisciplinary Humanities/Fine Arts and Social/Behavioral Sciences
- IAI: L Life Sciences
- IAI: LP Interdisciplinary Physical and Life Science
- IAI: M Mathematics
- IAI: P Physical Sciences
- IAI: S Social/Behavioral Sciences

The first number after the letter indicates the sub-area of the discipline. The S7 in this example represents the Sociology subarea of Social/Behavioral Sciences. The next numbers represent the unique content category within this subdiscipline. Letters at the end of course numbers identify specific perspectives related to the course. The D in S7 903D, for example, represents courses that examine aspects of human diversity within the United States. End-of-course letters include:

- N** for courses designed to examine aspects of human diversity from a non-U.S./non-European perspective.
- L** for laboratory courses
- R** for research paper courses
- D** for courses designed to examine aspects of human diversity within the U.S.

## Transfer Degree Guidelines

The A.A., A.S., A.F.A., and A.A.T. degrees meet the guidelines of the Illinois Articulation Initiative “Transferable General Education Core Curriculum” and the Illinois Community College Board “Guidelines for Associate Degrees Designed for Transfer”.

### Transfer Degree Admissions Requirements

Students applying for admission to a baccalaureate transfer program must have 15 high school credits distributed as follows:

- 4 credits in English (*written and oral communication, literature*)
  - 3 credits in Mathematics (*introductory through advanced algebra plus geometry*)
  - 3 credits in Social Studies (*emphasizing history and government*)
  - 3 credits in Science (*laboratory science*)
  - 2 credits in electives (*foreign language, art, music, vocational education*)
- (Illinois Public Act 86-0954)

Students who have academic deficiencies in these minimum requirements can satisfy these deficiencies upon successful completion of 24 transferable credit hours (with a minimum GPA of 2.0) which must include ENG 101 Composition I (3), COMM 101 Principles of Communication (3), one social science course, one four-credit laboratory science course, and one college-level mathematics course.

### Transfer Degree Graduation Requirements

Prairie State College offers four transfer degrees:

- Associate in Arts (A.A.),
- Associate in Science (A.S.),
- Associate in Fine Arts: Art (A.F.A.), and
- Associate of Arts in Teaching: Secondary Mathematics (A.A.T.).

Candidates for these degrees must fulfill the following requirements:

1. Successfully completing at least 15 credit hours at Prairie State College (excluding proficiency credits).
2. Candidates for the A.F.A. Degree must complete 61-62 credit hours including the Transferable General Education Core Curriculum of 31-32 credits. Candidates for the A.A. or A.S. Degree must complete 62 semester hours of college credit as specified, including the Transferable General Education Core Curriculum of 37-41 credits. Candidates for the A.A.T. must complete 64 semester hours of college credit as specified, including the Transferable General Education Core Curriculum of 39-40 credits.
3. Attained a minimum cumulative grade point average of 2.0 on a 4.0 scale in all Prairie State College courses for A.A., A.S. and A.F.A. degrees, and a minimum cumulative grade point average of 2.5 for A.A.T. degrees.
4. Filed appropriate evidence of high school graduation or GED certification with the Enrollment Services Office.

### Transfer Degree Components

There are three components of degree programs: The Transferable General Education Core Curriculum, the area of concentration or major field, and electives.

## I. Transferable General Education Core Curriculum Requirements

A.A./A.S. Degrees: 37-41 credit hours

A.F.A. Degree: 31-32 credit hours

A.A.T. Degree: 39-40 credit hours

## The General Education Core

The goal of general education is to help students understand the world they live in. The core curriculum consists of liberal arts courses in five key areas: communication, humanities and the fine arts, social sciences, mathematics, and science. Education in these disciplines develops habits of mind like curiosity, critical thinking and introspection that help one adapt to the changing world. Courses in English and Communication foster the ability to read critically and speak and write effectively. Those in the humanities and social science broaden understanding of different cultures and lead to an appreciation of the diversity of human experience. Mathematics and science courses develop the ability to analyze problems and find solutions, while courses in literature, music, and the fine and performing arts enrich understanding of human nature, enhance aesthetic appreciation, and broaden understanding of human nature and society. Taken together, study in these traditional academic disciplines leads to a better understanding of the key issues that face our society and helps students become more responsible citizens.

Prairie State College's General Education Core is designed to ensure that all our students develop competencies in the following areas:

### Communication

Students will read with comprehension, listen critically, and speak and write effectively.

### Critical Thinking

Students will analyze problems, develop solutions, and evaluate results, forming a self-conscious habit of inquiry as a foundation for a lifetime of continuous learning and personal transformation.

### Knowledge

Students will be able to organize and apply discipline-specific ways of knowing.

### Social and Cultural Awareness

Students will understand and recognize the values and ethics of Western and non-Western cultural traditions, and appreciate the diversity of human experience both within the United States and throughout the world.

### Literacy

Students will function with competence in writing, working with numbers, speaking in large and small groups, using basic technology for learning, and evaluating information from a range of sources.

## Area A: Communication

• A.A., A.S., A.F.A., A.A.T.: 9 semester hours

To facilitate development of these essential abilities, students take courses in the following areas:

The purpose of courses in writing and speaking is to foster the ability to communicate effectively with others, whether in speech or writing. The complexities of the modern world require the ability to think independently and express ideas clearly. Because these courses provide such important foundation skills, students should complete them early in the degree program so what they learn can improve their performance in other courses. Satisfactory completion of the required writing course sequence, ENG101 Composition I and ENG102 Composition II, will mean a grade of “C” or better in both courses.

The following 3 courses (9 credit hours), including a two-course sequence in writing and one course in oral communication, are required:

### Writing Course Sequence [IAI Code]

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
*Note: All students must write a passing English 101 Portfolio in order to pass ENG101*

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

### Oral Communication [IAI Code]

COMM 101 [C2 900] Principles of Communication (3)

## Area B: Humanities and Fine Arts

• A.A., A.S., A.A.T.: 9 credit hours

• A.F.A.: 6 credit hours from Humanities only

Study in the Humanities, Fine Arts, and Philosophy helps develop an understanding of what it means to be human. These courses expose students to great works of literature, art, music, and theater, enhancing their appreciation and understanding of the arts. They also examine the religious traditions and cultural expressions of people in a variety of cultures who have struggled to understand the basic questions that confront human beings – questions about good and evil, identity, courage, love, truth, justice, and morality.

Select 2 or 3 courses (6 or 9 credit hours), with at least one course selected from fine arts and at least one course from the humanities:

### Fine Arts Courses

#### Art [IAI Code]

ART 121 [F2 901] History of Western Art I (3)

ART 122 [F2 902] History of Western Art II (3)

ART 126 [F2 904] History of Photography (3)

ART 129 [F2 900] Art Appreciation (3)

[not accepted for A.F.A. Degree]

ART 131 [F2 903N] Survey of Non-Western Art (3)

#### Music [IAI Code]

MUSIC 130 [F1 900] Music Appreciation (3)

MUSIC 132 [F1 904] American Music (3)

#### Theatre [IAI Code]

THTR 101 [F1 907] Understanding Theatre (3)

### Humanities Courses

#### Foreign Languages [IAI Code]

SPAN 202 [H1 900] Spanish IV (4)\*

\*Foreign Language Requirements: Some universities have a foreign language requirement. Generally, four years of a single foreign language in high school or four semesters of language in college will fulfill this requirement. It is recommended that students complete the entire sequence at one institution.

### History [IAI Code]

HIST 240 [H2 909D] African American History (3)

### Humanities [IAI Code]

HUMAN 101 [H5 904N] Comparative Religions (3)

HUMAN 102 [H5 901] Foundational Religious Texts (3)

HUMAN 201 [H9 900] Humanities Themes: Myth, Reason, & God (3)

### Literature [IAI Code]

ENG 211 [H3 914] American Literature I (3)

ENG 212 [H3 915] American Literature II (3)

ENG 215 [H3 910D] African-American Literature (3)

ENG 221 [H3 903] Introduction to Poetry (3)

ENG 231 [H3 912] British Literature I (3)

ENG 232 [H3 913] British Literature II (3)

ENG 240 [H3 901] Introduction to Fiction (3)

ENG 243 [H3 908N] Non-Western Literature in English (3)

ENG 252 [H3 902] Introduction to Drama (3)

ENG 261 [H3 906] Western/World Literature I (3)

ENG 262 [H3 907] Western/World Literature II (3)

ENG 271 [H3 905] Introduction to Shakespeare (3)

### Philosophy [IAI Code]

PHILO 201 [H4 900] Introduction to Philosophy (3)

PHILO 202 [H4 904] Ethics (3)

PHILO 203 [H4 906] Introduction to Logic (3)

PHILO 204 [H4 905] Philosophy of Religion (3)

PHILO 205 [H4 903N] Eastern Philosophy (3)

PHILO 206 [H4 902] Major Modern Ideas (3)

*Interdisciplinary Humanities and Fine Arts [IAI Code] may be used for either humanities or fine arts credit.*

ENG 256 [HF 908] Film & Literature (3)

HUMAN 202 [HF 900] Form and Structure in the Arts (3)

## Area C: Mathematics (3-6 credit hours)

Mathematics focuses on quantitative reasoning as a basis for understanding the relationships found in both work and everyday life.

Mathematics provides the tools and skills necessary to organize thinking, apply problem-solving strategies and recognize patterns and processes across many different fields.

Mathematics is also used to determine reasonableness, identify alternatives and select optimal results.

Select 1 to 2 courses (3 to 6 credit hours) from:

### Mathematics [IAI Code]

MATH 112 [M1 904] General Education Math (3)

MATH 115 [M1 902] General Education Statistics (3)

*MATH 112 and 115 are recommended for A.A. and A.F.A. students who do not intend to take higher levels of mathematics.*

BUS 240 [M1 902] Elementary Statistics (4)

MATH 153 [M1 902] Probability and Statistics (4)

*MATH 153 is intended for students with advanced math skills; it may be taken in place of MATH 115. Students can receive credit for only one of BUS 240, MATH 115 and 153.*

MATH 155 [M1 906] Finite Mathematics (4)

MATH 157 [M1 900-B] Calculus for Business and Social Science (4)

MATH 171 [M1 900-1] Calculus with Analytic Geometry I (5)

MATH 172 [M1 900-2] Calculus with Analytic Geometry II (5)

MATH 173 [M1 900-3] Calculus with Analytic Geometry III (5)

MATH 206 [M1 903] Mathematics for Elementary Teaching II (4)\*\*

MATH 210 [M1 905] Discrete Mathematics (3)

\*\*Prerequisite: MATH 200 Mathematics for Elementary Teaching I (4)

\*\*MATH 206 fulfills general education requirements only for students seeking state certification as elementary teachers. Students must complete both MATH 200 and 206 prior to transfer.

## Area D: Physical and Life Sciences

• A.A., A.S., A.F.A., A.A.T.: 7-8 semester hours

The study of science helps students learn how the scientific method is used to discover new truths and re-assess old ones. In science courses, students learn how scientists formulate and test hypotheses to investigate and understand phenomena in the natural world. By participating in laboratory sessions where they use the scientific method themselves, students get first hand experience in how scientists think. Students also become familiar with the physical and biological concepts developed through scientific study. Familiarity with these scientific principles promotes understanding of the natural world and enhances the ability to make informed decisions about environmental, health, and technological problems.

Select two courses (7-8 credit hours), with one course selected from the life sciences and one course from the physical sciences and including at least one laboratory course from:

(The "L" in the IAI code indicates a "lab science" course.)

### Life Science Courses [IAI Code]

BIOL 100	[LI 900L] General Education Biology (4)
BIOL 103	[LI 901] Plants and Society (3)
BIOL 105	[LI 905] Environmental Biology (3)
BIOL 106	[LI 906L] Heredity and Society (4)
BIOL 107	[LI 903] Microbes and Society (3)
BIOL 111	[BIO 910] Cellular and Molecular Biology (4)
BIOL 112	[LI 900L] Organismal Biology (4)*

\*These courses are recommended for science majors to meet general education science requirements. Students cannot receive credit for both BIOL 100 and 112. BIOL 111 may be used to fulfill the general education life science requirement per IAI guideline that "Students with appropriate preparation may substitute an initial course designed for science majors for a more general course," per [itransfer.org](http://itransfer.org).

### Physical Science Courses [IAI Code]

ASTRO 101	[PI 906] Guide to the Universe (3)
ASTRO 104	[PI 906L] The Solar System and Beyond (4)
CHEM 105	[PI 902L] Survey of General Chemistry (4)
CHEM 110	[PI 902L] General Chemistry I (5)*

\*This course is recommended for science majors to meet general education science requirements. Student cannot receive credit for both CHEM 105 and 110.

GEOG 105	[PI 909] Introduction to Physical Geography (3)
GEOLO 101	[PI 907L] Physical Geology (4)
METEO 150	[PI 905] Introduction to Meteorology (3)
PHYS 111	[P9 900L] Physical Science (4)
PHYS 112	[PI 905L] Earth Science (4)
PHYSI 101	[PI 901L] Conceptual Physics (4)
PHYSI 105	[PI 901] Physics and Society (3)
PHYSI 120	[PI 900L] College Physics I (4)*
PHYSI 210	[P2 900L] University Physics I (4)

\*This course is recommended for science majors to meet general education science requirements. Student cannot receive credit for both PHYSI 120 and 210.

## Area E: Social and Behavioral Sciences

• A.A., A.S., A.A.T.: 9 credit hours

• A.F.A.: 6 credit hours

The Social Sciences focus on an appreciation of human continuity and change on both the personal and societal level. Through analysis of historical, political, cultural and economic institutions, students become better able to understand themselves and their own society. They also develop insights into contemporary life including a broader understanding of how society works and what good citizenship means. They also become more self-aware and more attuned to issues relating to the environment, diversity, and social justice. In these courses, students are encouraged to become more reflective and use their new insights to think about how to address contemporary problems.

Select two or three courses (6 or 9 credit hours), with courses selected from at least two disciplines, from:

### Anthropology [IAI Code]

ANTHR 215	[S1 900N] Introduction to Anthropology (3)
ANTHR 222	[S1 901N] Introduction to Cultural and Social Anthropology (3)

### Economics [IAI Code]

ECON 201	[S3 901] Macroeconomic Principles (3)
ECON 202	[S3 902] Microeconomic Principles (3)

### Geography [IAI Code]

GEOG 101	[S4 900N] Cultural Geography (3)
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### History [IAI Code]

HIST 111	[S2 912N] World History: Origins to 1714 (3)
HIST 112	[S2 913N] World History: 1714 to Present (3)
HIST 115	[S2 906N] African Civilizations I (3)
HIST 116	[S2 907N] African Civilizations II (3)
HIST 140	[S2 910N] History of Latin America (3)
HIST 151	[S2 902] History of Western Civilization I (3)
HIST 152	[S2 903] History of Western Civilization II (3)
HIST 201	[S2 900] U.S. History 1492-1877 (3)
HIST 202	[S2 901] U.S. History 1877 to Present (3)

### Political Science [IAI Code]

POLSC 101	[S5 903] Principles of Political Science (3)
POLSC 140	[S5 900] Introduction to U.S. Government and Politics (3)
POLSC 152	[S5 902] U.S., State and Local Government (3)
POLSC 230	[S5 905] Introduction to Comparative Government (3)
POLSC 240	[S5 904] Introduction to International Relations (3)

### Psychology [IAI Code]

PSYCH 101	[S6 900] Introduction to Psychology (3)
PSYCH 102	[S6 902] Human Growth and Development: Life-Span (3)
PSYCH 215	[S8 900] Social Psychology (3)

### Sociology [IAI Code]

SOCIO 101	[S7 900] Introduction to Sociology (3)
SOCIO 111	[S7 901] Contemporary Social Issues (3)
SOCIO 210	[S7 902] Marriage and the Family (3)
SOCIO 215	[S7 904D] Sex, Gender and Power (3)
SOCIO 220	[S7 903D] Race Relations: A Multicultural Perspective (3)

Some universities require a U.S. diversity and a non-Western Cultures course within their general education requirements. It is recommended that you take one course with an IAI code ending in D and one with a code ending in N when choosing your Area B and E courses.

## II. Area of Concentration/Major Field

A.A./A.S.: 6-25 credit hours

A.F.A.: 21 credit hours

A.A.T.: 25-26 credit hours

The Associate in Fine Arts (A.F.A.) Degree requires 21 credits from a select list. The Associate of Arts in Teaching requires 25-26 credits from a select list. The Associate of Arts and Associate in Science degrees recommend 6-25 credits of 100- level or above transfer courses from any of the following areas of concentration. To review the suggested curriculum for specific areas of concentration, see Transfer Degree Areas of Concentration following this section. Depending upon the chosen course of study, additional credit hours may be recommended in the area of concentration, reducing the elective courses. Students should always consult the university of their choice to confirm requirements and transferability of their courses.

## III. Electives (0-19 credit hours)

The A.F.A. Degree requires 9 semester hours of media specific courses to meet a total of 61 credits. The A.A. and A.S. Degrees require an additional 0-19 credit hours to meet a degree total of 62 credits. The elective courses must be selected from transfer courses of 100 level or above. Developmental and community service courses cannot be used to satisfy degree requirements in the A.F.A. or A.A./A.S. degree. For the A.A./A.S. degree, students may use one vocational/technical course (four credits or less) that is not on the approved list if they present documentation (recent written correspondence or transfer/ advising guide) that the receiving institution will accept the course for credit. If a student plans to use more than one such course, he/she must obtain approval from the Vice President of Academic Affairs. Some universities have a foreign language requirement. Generally, four years of a single foreign language in high school or four semesters of single foreign language in college will fulfill this requirement. It is recommended that students complete the entire sequence at one institution. No more than four credits of physical education courses can be applied to a degree.

## Required Transfer Degree Credit Hours:

**A.A./A.S.: 62, A.F.A.: 61, A.A.T.: 64**

## Dual Degree Graduation Requirement

Students who wish to receive both the Associate in Arts and the Associate in Science degrees must complete an additional 12 credit hours in the second concentration area that is selected.

## Transfer Credit Guarantee

Courses taken by students who earn an Associate in Fine Arts: Art (A.F.A.) Degree or an Associate in Arts (A.A.), or Associate in Science (A.S.) Degree will transfer to Illinois state colleges or universities (including Purdue University Calumet at Hammond) as identified and defined in the Course Equivalency Tables (CET) on file at PSC's Transfer Center. If a course is taken and successfully completed in compliance with the CET and not accepted in transfer, Prairie State College will refund the tuition for the course. Call (708) 709-3508 for details.

## Courses Approved for Transfer

The following courses are approved for transfer. It is recommended that students consult with the university of their choice to confirm requirements and transferability of courses:

ANTHR 215	[SI 900N] Introduction To Anthropology (3)
ANTHR 222	[SI 901N] Introduction To Cultural & Social Anthropology (3)
ART 101	Two Dimensional Design (3)
ART 102	Three Dimensional Design (3)
ART 104	[ART 904] Drawing I (3)
ART 106	Drawing II (3)
ART 109	Ceramics (3)
ART 115	Introduction To Computer Art (3)
ART 121	[F2 901] History Of Western Art I (3)
ART 122	[F2 902] History Of Western Art II (3)
ART 126	[F2 904] History Of Photography (3)
ART 129	[F2 900] Art Appreciation (3)
ART 131	[F2 903N] Survey Of Non-Western Art (3)
ART 162	Life Drawing (3)
ART 201	Painting I (3)
ART 202	Painting II (3)
ART 205	Printmaking (3)
ART 246	Independent Study (3)
ART 295	Portfolio Seminar (3)
ASTRO 101	[PI 906] Guide To The Universe (3)
ASTRO 104	[PI 906L] The Solar System And Beyond (4)
BIOL 100	[LI 900L] General Education Biology (4)
BIOL 103	[LI 901] Plants And Society (3)
BIOL 105	[LI 905] Environmental Biology (3)
BIOL 106	[LI 906L] Heredity And Society (4)
BIOL 107	[LI 903] Microbes And Society (3)
BIOL 108	Essentials Of Anatomy & Physiology (4)
BIOL 111	[BIO 910] Cellular And Molecular Biology (4)
BIOL 112	[LI 900L; BIO 910] Organismal Biology (4)
BIOL 120	Independent Studies In Ecology (3)
BIOL 211	Microbiology (4)
BIOL 221	Human Anatomy & Physiology I (4)
BIOL 222	Human Anatomy & Physiology II (4)
BIOL 252	Molecular Genetics (3)
BUS 101	Introduction To Modern Business (3)
BUS 131	[BUS 903] Financial Accounting (4)
BUS 132	[BUS 904] Managerial Accounting (3)
BUS 201	Business Law (3)
BUS 210	Business Law And Its Environment (3)
BUS 240	[BUS 901; M1 902] Elementary Statistics (4)
BUS 241	Principles Of Management (3)
BUS 242	Human Resources Management (3)
BUS 251	Principles Of Marketing (3)
BUS 261	[MC 912] Advertising (3)
CADMD 243	[IND 911] Introduction To Autocad (3)
CADMD 245	[EGR 941] Computer Aided Design (3)
CHEM 105	[PI 902L] Survey Of General Chemistry (4)
CHEM 110	[CHM 911; PI 902L] General Chemistry I (5)
CHEM 130	[CHM 912] General Chemistry II (5)
CHEM 203	[CHM 913] Organic Chemistry I (5)

CHEM 204	[CHM 914] Organic Chemistry II (5)	GEOG 101	[S4 900N] Cultural Geography (3)
CJ 101	[CRJ 901] Introduction To Criminal Justice (3)	GEOG 105	[PI 909] Intro To Physical Geography (3)
CJ 102	[CRJ 912] Introduction To Criminology (3)	GEOLO 101	[PI 907L] Physical Geology (4)
CJ 106	[CRJ 911] Introduction To Corrections (3)	GEOLO 201	Earth Science Research (1-2)
CJ 201	Introduction To Criminal Law (3)	HIST 111	[S2 912N] World History: Origins To 1714 (3)
CJ 204	[CRJ914] Juvenile Justice (3)	HIST 112	[S2 913N] World History: 1714 To Present (3)
CJ 207	Street Law: Understanding Law and Legal Issues (3)	HIST 115	[S2 906N] African Civilizations I (3)
COL 100	Computer Skills For College Writing (1)	HIST 116	[S2 907N] African Civilizations II (3)
COL 101	First Year Seminar (1)	HIST 140	[S2 910N] History Of Latin America (3)
COL 102	Career Development Seminar (1)	HIST 151	[S2 902] History Of Western Civilization I (3)
COL 105	Personal Awareness (1)	HIST 152	[S2 903] History Of Western Civilization II (3)
COL 106	Personal Wellness (1)	HIST 201	[S2 900] U.S. History: 1492 To 1877 (3)
COL 107	More Brothers & Scholars (1)	HIST 202	[S2 901] U.S. History: 1877 To Present (3)
COMM 101	[C2 900] Principles Of Communication (3)	HIST 240	[H2 909D] African American History (3)
COMM 102	Persuasive Public Speaking (3)	HLTH 101	Health And Wellness (2)
COMM 103	Group Discussion (3)	HUMAN 101	[H5 904N] Comparative Religions (3)
COMM 108	Interpersonal Communication (3)	HUMAN 102	[H5 901] Foundational Religious Texts (3)
COMM 111	[MC 911] Introduction To Mass Communication (3)	HUMAN 201	[H9 900] Humanities Themes: Myth, Reason & God (3)
COMM 115	[MC 914] Introduction To Broadcasting (3)	HUMAN 202	[HF 900] Form And Structure In The Arts (3)
COMM 196	Applied Forensics I (1)	ITAPP 100	Basic Computing Skills (1)
COMM 197	Applied Forensics II (1)	ITAPP 101	[BUS 902] Introduction To Computers (3)
COMM 198	Applied Forensics III (1)	ITPRG 142	Visual Basic Programming I (3)
COMM 199	Applied Forensics IV (1)	ITPRG 144	C++ Programming I (3)
ECED 103	Health, Safety, and Nutrition (3)	ITPRG 147	[CS 911] Java Programming I (3)
ECED 104	Introduction to Early Childhood Education (3)	ITPRG 242	Visual Basic Programming II (3)
ECED 201	Sign Language I (3)	ITPRG 244	[CS 912] C++ Programming II (3)
ECED 202	Sign Language II (3)	ITPRG 247	Java Programming II (3)
ECON 201	[S3 901] Macroeconomic Principles (3)	ITWEB 105	Multimedia Writing (3)
ECON 202	[S3 902] Microeconomic Principles (3)	JRNLM 101	[MC 919] Introduction To Journalism (3)
ED 100	Foundations Amer. Public Education (3)	LIB 101	Foundations of Information (1)
ED 101	Child Growth And Development (3)	MATH 112	[M1 904] General Education Mathematics (3)
ED 212	Exceptional Child (3)	MATH 115	[M1 902] General Education Statistics (3)
ED 220	Children's Literature (3)	MATH 151	College Algebra (4)
ENG 101	[CI 900] Composition I (3)	MATH 153	[M1 902] Probability And Statistics (4)
ENG 102	[CI 901R] Composition II (3)	MATH 155	[M1 906] Finite Mathematics (4)
ENG 110	Creative Writing: Poetry (3)	MATH 157	[M1 900-B] Calculus For Business & Social Science (4)
ENG 111	Creative Writing: Nonfiction Prose (3)	MATH 165	Pre-Calculus (5)
ENG 211	[H3 914] American Literature I (3)	MATH 171	[M1 900-1; MTH 901] Calculus With Analytic Geometry I (5)
ENG 212	[H3 915] American Literature II (3)	MATH 172	[M1 900-2; MTH 902] Calculus With Analytic Geometry II (5)
ENG 215	[H3 910D] African-American Literature (3)	MATH 173	[M1 900-3; MTH 903] Calculus With Analytic Geometry III (5)
ENG 220	Children's Literature (3)	MATH 200	Math For Elementary Teaching I (4)
ENG 221	[H3 903] Introduction To Poetry (3)	MATH 201	Engineering Computer Programming (3)
ENG 231	[H3 912] British Literature I (3)	MATH 206	[M1 903] Math For Elementary Teaching II (4)
ENG 232	[H3 913] British Literature II (3)	MATH 210	[CS 915; M1 905] Discrete Mathematics (3)
ENG 240	[H3 901] Introduction To Fiction (3)	MATH 216	[MTH 912] Differential Equations (3)
ENG 243	[H3 908N] Non-Western Literature In English (3)	MATH 220	Linear Algebra (3)
ENG 252	[H3 902] Introduction To Drama (3)	METEO 150	[PI 905] Introduction To Meteorology (3)
ENG 256	[HF 908] Film And Literature (3)	MUSIC 100	Fundamentals Of Music Theory (3)
ENG 261	[H3 906] Western/World Literature I (3)	MUSIC 101	Musicianship I (4)
ENG 262	[H3 907] Western/World Literature II (3)	MUSIC 102	Musicianship II (4)
ENG 271	[H3 905] Introduction To Shakespeare (3)	MUSIC 110	Concert Choir (1)
ENGR 210	[EGR 942] Engineering Statics (3)	MUSIC 115	Orchestral String Ensemble (1)
ENGR 211	[EGR 943] Engineering Dynamics (3)		
GC 115	Introduction To Computer Art (3)		
GC 151	Principles of Graphic Design (3)		
GC 162	Introduction to Web Site Development (3)		
GC 175	2D Animation (3)		



MUSIC 120	Wind Ensemble (1)	PHOTO 291	Survey Of Contemporary Photography (3)
MUSIC 125	Latin Music Ensemble (1)	PHYS 111	[P9 900L] Physical Science (4)
MUSIC 130	[F1900] Music Appreciation (3)	PHYS 112	[P1 905L] Earth Science (4)
MUSIC 132	[F1904] American Music (3)	PHYSI 101	[P1 901L] Conceptual Physics (4)
MUSIC 143	Class Voice I (2)	PHYSI 105	[P1 901] Physics And Society (3)
MUSIC 144	Class Voice II (2)	PHYSI 120	[P1 900L] College Physics I (4)
MUSIC 152	Jazz Ensemble I (1)	PHYSI 130	College Physics II (4)
MUSIC 153	Jazz Ensemble II (1)	PHYSI 210	[P2 900L; PHY911] University Physics I (4)
MUSIC 162	Vocal Jazz Ensemble I (1)	PHYSI 220	[PHY 912] University Physics II (4)
MUSIC 163	Vocal Jazz Ensemble II (1)	PHYSI 230	[PHY 914] University Physics III (4)
MUSIC 171	Fundamentals Of Music Production (2)	POLSC 101	[S5 903] Principles Of Political Science (3)
MUSIC 181	Private Lessons I (1)	POLSC 140	[S5 900] Intro To U.S. Government & Politics (3)
MUSIC 182	Private Lessons II (1)	POLSC 152	[S5 902] U.S., State And Local Government (3)
MUSIC 191	Private Applied Music I (2)	POLSC 230	[S5 905] Intro.To Comparative Government (3)
MUSIC 192	Private Applied Music II (2)	POLSC 240	[S5 904] Intro.To International Relations (3)
MUSIC 201	Musicianship III (4)	POLSC 250	[PLS 913] Introduction To Political Philosophy (3)
MUSIC 202	Musicianship IV (4)	PSYCH 101	[S6 900] Introduction To Psychology (3)
MUSIC 252	Jazz Ensemble III (1)	PSYCH 102	[S6 902] Human Growth & Development: Life-Span (3)
MUSIC 253	Jazz Ensemble IV (1)	PSYCH 202	Educational Psychology (3)
MUSIC 262	Vocal Jazz Ensemble III (1)	PSYCH 203	[PSY 905] Abnormal Psychology (3)
MUSIC 263	Vocal Jazz Ensemble IV (1)	PSYCH 204	Industrial/Organizational Psychology (3)
MUSIC 281	Private Lessons III (1)	PSYCH 212	Theories Of Personality (3)
MUSIC 282	Private Lessons IV (1)	PSYCH 215	[S8 900] Social Psychology (3)
MUSIC 291	Private Applied Music III (2)	PSYCH 217	Human Sexuality (3)
MUSIC 292	Private Applied Music IV (2)	SOCIO 101	[S7 900] Introduction To Sociology (3)
PE 101	Physical Fitness I (1)	SOCIO 111	[S7 901] Contemporary Social Issues (3)
PE 102	Physical Fitness II (1)	SOCIO 201	Introduction To Social Work (3)
PE 103	Physical Fitness III (1)	SOCIO 210	[S7 902] Marriage And The Family (3)
PE 104	Physical Fitness IV (1)	SOCIO 215	[S7 904D] Sex, Gender And Power (3)
PE 105	Aerobics I (1)	SOCIO 220	[S7 903D] Race Rel:A Multicultural Perspective (3)
PE 106	Aerobics II (1)	SOCSC 105	African American Masculine Identity (3)
PE 107	Aerobics III (1)	SPAN 101	Spanish I (4)
PE 108	Aerobics IV (1)	SPAN 102	Spanish II (4)
PE 151	Basketball (1)	SPAN 120	Latin American Culture & Civilization (3)
PE 161	Soccer (1)	SPAN 201	Spanish III (4)
PE 162	Volleyball (1)	SPAN 202	[H1 900] Spanish IV (4)
PE 163	Golf (1)	SWK 201	Introduction To Social Work (3)
PE 164	Tennis (1)	THTRE 101	[F1 907] Understanding Theatre (3)
PE 165	Softball (1)	THTRE 111	[TA 914] Fundamentals Of Acting (3)
PES 200	Officiating Sports (3)		
PES 201	Introduction To Physical Education (2)		
PES 202	Cultural Dance I (2)		
PES 215	Group Fitness Instructor Training (3)		
PES 220	Fitness Assess./Exercise Prog Dsgn I (3)		
PES 225	Weight Training:Theory/Applicat. (2)		
PES 230	Nutrition For Sports And Exercise (3)		
PES 235	Athletic Training Techniques (3)		
PES 250	Kinesiology (3)		
PES 255	Special Populations (3)		
PES 265	Physiology Of Exercise (3)		
PHILO 201	[H4 900] Introduction To Philosophy (3)		
PHILO 202	[H4 904] Ethics (3)		
PHILO 203	[H4 906] Introduction To Logic (3)		
PHILO 204	[H4 905] Philosophy Of Religion (3)		
PHILO 205	[H4 903N] Eastern Philosophy (3)		
PHILO 206	[H4 902] Major Modern Ideas (3)		
PHOTO 171	Introduction to Photography (3)		

## Areas of Concentration

A suggested curriculum of study is proposed for each transfer degree area based on PSC degree requirements and IAI majors panels.

### Degree

Art (A.F.A.)  
 Art/Art History (A.A.)  
 Art Education (A.A.)  
 Astronomy (A.S.)  
 Biological Sciences (A.S.)  
 Business (A.A.)  
 Chemistry (A.S.)  
 pre-Clinical Laboratory Science (A.S.)  
 Computer Science: Information Systems Emphasis (A.S.)  
 Computer Science: Technical Emphasis (A.S.)  
 Criminal Justice (A.A.)  
 pre-Dentistry (A.S.)  
 Education: Early Childhood Education (A.A.)  
 Education: Elementary Education (A.A.)  
 Education: Associate of Arts in Teaching:  
     Secondary Mathematics (A.A.T.)  
 Education: Secondary Education (A.A.)  
 Engineering (A.S.)  
 English/Literature (A.A.)  
 General Math/Science (A.S.)  
 Geology (A.S.)  
 History (A.A.)  
 pre-Law (A.A.)  
 Liberal Arts (A.A.)  
 Mass Communication: Advertising/Public Relations (A.A.)  
 Mass Communication: Multimedia (A.A.)  
 Mass Communication: Radio/TV/Film (A.A.)  
 Mathematics (A.S.)  
 pre-Medicine (A.S.)  
 Music Education (A.A.)  
 Music Performance (A.A.)  
 pre-Nursing (A.S.)  
 pre-Occupational Therapy (A.S.)  
 pre-Pharmacy (A.S.)  
 Physical Education (A.A.)  
 pre-Physical Therapy (A.S.)  
 Physics (A.S.)  
 Political Science (A.A.)  
 Psychology (A.A.)  
 Social Work (A.A.)  
 Sociology (A.A.)  
 Speech Communication (A.A.)

## Art

### Associate in Fine Arts: Art

**A.F.A. Degree • Required Curriculum**

The Associate in Fine Arts degree (A.F.A.) is designed to prepare students to transfer as juniors into a bachelor's degree program (B.F.A.) in Studio Art. Students are encouraged to complete their core courses in Art before enrolling in media specific studio courses. A portfolio is usually required for transfer to a four-year institution. Students are strongly encouraged to consult with their instructors, with the PSC Counseling and Academic Advising Center, and with the university where they expect to transfer for information regarding the most appropriate courses to take while at PSC.

#### I. General Education Core (31-32)

##### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

##### Area B: Humanities (6 credits)

Select two IAI humanities courses from the list for Area B

##### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

##### Area D: Physical & Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

##### Area E: Social & Behavioral Sciences (6 credits)

Select two courses from different disciplines from the list for Area E.

#### II. Area of Concentration/Major Field (21)

ART 101 Two Dimensional Design (3)  
 ART 102 Three Dimensional Design (3)  
 ART 104 Drawing I (3)  
 ART 106 Drawing II (3)  
 ART 121 History of Western Art I (3)  
 ART 122 History of Western Art II (3)  
 ART 162 Life Drawing (3)

#### III. Electives/Studio Courses (9)

Select 9 credits of media specific studio courses from at least two media. Choose from the following areas of concentration in consultation with an art department advisor:

##### Art:

ART 109 Ceramics (3)  
 ART 201 Painting I (3)  
 ART 202 Painting II (3)  
 ART 205 Printmaking (3)

##### Graphic Design:

ART 115 Introduction to Computer Art (3)  
 GC 151 Principles of Graphic Design (3)

##### Photography:

PHOTO 171 Introduction to Photography (3)

#### Required A.F.A. Degree Program Total: 61 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Art/Art History

**A.A. Degree • Suggested Curriculum**

PSC offers the foundation courses in art appreciation, art history, and studio art required in the first two years of the Art major. Through painting, drawing, graphic design, and photography, students may pursue a variety of interests. Students planning to pursue a bachelor's degree should be aware that transfer admission to art-related programs is competitive, and a portfolio is generally required for admission to the major as well as for registration in advanced art courses and for scholarship consideration. Each university has its own transfer policies; we cannot guarantee the accuracy of this information in regard to every individual school.

#### I. General Education Core (37-38)

##### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

##### Area B: Humanities and Fine Arts (9 credits)

Select three courses other than Art History from the list for Area B with at least one course from humanities and one course from fine arts.

##### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

##### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

##### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

#### II. Area of Concentration/Major Field (24-25)

ART 101 Two Dimensional Design (3)  
 ART 102 Three Dimensional Design (3)  
 ART 104 Drawing I (3)  
 ART 106 Drawing II (3)  
 ART 121 History of Western Art I (3)  
 ART 122 History of Western Art II (3)

Completion of the Art Core courses is recommended before enrolling in Media-Specific studio courses. Select studio art courses from at least two media. Students should complete the core courses listed above before enrolling in studio courses. (6-7 credits)

##### Art:

ART 109 Ceramics (3)  
 ART 162 Life Drawing (3)  
 ART 201 Painting I (3)  
 ART 202 Painting II (3)  
 ART 205 Printmaking (3)

##### Graphic Design:

ART 115 Introduction to Computer Art (3)

#### Required A.A. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Art Education

### A.A. Degree • Suggested Curriculum

To teach art in Illinois public schools, teachers must be certified by the State of Illinois. To transfer into an approved bachelor's program in art education as a junior, students must complete a minimum of 60 semester credits. Since admission is competitive, completion of the courses recommended below does not guarantee admission. Community college students are strongly encouraged to complete an Associate in Arts degree prior to transfer. Students should be aware that a minimum grade point average of 2.5 on a 4.0 scale is required for program admission, and passage of either the Test of Academic Proficiency have a composite ACT plus writing score of 22, or an SAT of 1030 in order to gain admission into a college of Education.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

ART 121 [F2 901] History of Western Art I (3)  
 ART 122 [F2 902] History of Western Art II (3)

Select one English course numbered 200 or above from the list for Area B. ENG 243 recommended to meet the non-Western Cultures requirement at some senior institutions.

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

HIST 201 [S2 900] U.S. History: 1492 to 1877 (3) **or**  
 HIST 202 [S2 901] U.S. History: 1877 to Present (3)  
 POLSC 140 [S5 900] Introduction to U.S. Government & Politics (3)  
 PSYCH 101 [S6 900] Introduction to Psychology (3)

### II. Area of Concentration/Major Field (15-21)

Art Core Courses (12 credits)

ART 101 Two Dimensional Design (3)  
 ART 102 Three Dimensional Design (3)  
 ART 104 Drawing I (3)  
 ART 106 Drawing II (3)

Media-Specific Studio Art Course (3-9 credits)

Select at least one studio art course from the following:

ART 162 Life Drawing (3)  
 ART 201 Painting I (3)  
 ART 202 Painting II (3)  
 ART 205 Printmaking (3)  
 GC 151 Principles of Graphic Design (3)  
 PHOTO 171 Introduction to Photography (3)

### III. Electives (3-10)

Select from the following teacher education electives: ED 100, 101, 212 (3)  
 Additional non-Western course from: ART 131, GEOG 101, HIST 111, 112, 115, 116, 140; HUMAN 101, or PHILO 205 (3)

### Required A.A. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Astronomy

### A.S. Degree • Suggested Curriculum

The astronomer is concerned with the Earth and its position in the solar system and the universe. Employment opportunities include the National Aeronautics and Space Administration (NASA), air traffic control, and weather forecasting and monitoring. In the typical four-year curriculum, the first two years are spent studying the basic sciences, including mathematics and physics. The last two years emphasize advanced mathematics and science courses. Prairie State College offers courses comparable to the first two years of the curriculum required for a major in astronomy and will grant the Associate in Science degree to successful students.

### I. General Education Core (39-40)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts.

#### Area C: Mathematics (5 credits)

MATH 171 [M1 900-1] Calculus with Analytic Geometry I (5)

#### Area D: Physical and Life Sciences (7-8 credits)

ASTRO 104 [PI 906L] The Solar System and Beyond (4)  
 Life Science Elective (3-4)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (17)

MATH 172 Calculus with Analytic Geometry II (5)  
 PHYSI 210 University Physics I (4)  
 PHYSI 220 University Physics II (4)  
 PHYSI 230 University Physics III (4)

### III. Electives (5-6)

Select additional science, calculus, and foreign language courses or contact the universities you are considering.

### Required A.S. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Biological Sciences

### A.S. Degree • Suggested Curriculum

Biology, the study of living organisms, is an extremely large and diverse field. Career opportunities exist in many areas such as research, government agencies (conservation department, environmental protection, etc.), industry, sales, and teaching at all educational levels. In addition, the biology curriculum provides the pre-professional foundation for many of the health career areas. Bachelor's biological science programs are diverse. Some programs emphasize cell and molecular biology, whereas others emphasize organismal, ecological, and evolutionary biology. Research universities offer specific programs of study, optional tracks, or specializations within biology. Students should decide the direction or specialization within biology as early as possible, preferably by the beginning of sophomore year. Students are strongly encouraged to complete the Associate in Science degree prior to transfer.

### I. General Education Core (41)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts.

#### Area C: Mathematics (5 credits)

MATH 171 [M1 900-I] Calculus with Analytic Geometry I (5)

#### Area D: Physical and Life Sciences (9 credits)

BIOL 112 [BIO 910] Organismal Biology (4)  
 CHEM 110 [CHM 911] General Chemistry I (5)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (19)

BIOL 111 [BIO 910] Cellular and Molecular Biology (4)  
 CHEM 130 [CHM 912] General Chemistry II (5)  
 CHEM 203 [CHM 913] Organic Chemistry I (5)  
 CHEM 204 [CHM 914] Organic Chemistry II (5)

### III. Electives (2)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

Courses such as microbiology and human anatomy and physiology sometimes will transfer for credit in allied health majors, but most often do not transfer as biology major credit.

### Required A.S. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Business

### A.A. Degree • Suggested Curriculum

Business programs at community colleges and universities include courses and majors in general business, accounting, finance, marketing, and management. The following recommendations apply to programs in all of these fields. These are suggested courses which are designed to satisfy requirements in the Associate in Arts Degree at Prairie State College and to provide the basis for transferring to a university.

### I. General Education Core (38-40)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts.

PHILO 202 [H4 904] Ethics (3) recommended

#### Area C: Mathematics (4-5 credits)

Select one math course from:

MATH 157 [M1 900-B] Calculus for Business & Social Science (4)  
 MATH 171 [M1 900-I] Calculus with Analytic Geometry I (5)

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E including:

ECON 201 [S3 901] Macroeconomic Principles (3)  
 ECON 202 [S3 902] Microeconomic Principles (3)

### II. Area of Concentration/Major Field (14)

BUS 131 [BUS 903] Financial Accounting (4)  
 BUS 132 [BUS 904] Managerial Accounting (3)  
 BUS 240 [BUS 901] Elementary Statistics (4)  
 ITAPP 101 [BUS 902] Introduction to Computers (3)

### III. Electives (8-10)

BUS 201 Business Law (3)

or

BUS 210 Business Law and Its Environment (3)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

*Special note: Courses such as Principles of Management and Principles of Marketing are considered junior-level or upper-division courses at most universities. Some universities, though, will accept these courses as elective credit (but it often will not count toward the hours you need for a major in business). Some have provisions for validating this credit. In this case, a student may be requested to take a proficiency examination, take the next course in sequence, or take a specific CLEP subject examination. Students are strongly advised to consult the information for the school of their choice before registering for these courses.*

### Required A.A. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Chemistry

**A.S. Degree** • *Suggested Curriculum*

The chemist is concerned with the application of scientific principles to practical problems. Employment opportunities for chemists include theoretical research activities, and problem-solving in management, marketing, and production. Bachelor's programs in chemistry are built on an in-depth foundation of sequential courses in science and math, while upper division courses provide the preparation necessary for graduate studies and/or work in industry.

### I. General Education Core (39-40)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts.

#### Area C: Mathematics (5 credits)

MATH 171 [M1 900-1] Calculus with Analytic Geometry I (5)

#### Area D: Physical and Life Sciences (7-8 credits)

PHYSI 210 [P2 900L] University Physics I (4)

Select one life science from the list for Area D. (3-4)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (22-23)

Be aware that because of differences among schools in the number of credits for which various courses are offered, and the possible need for prerequisite courses, it may be difficult to complete an Associate in Science degree without taking more credits than will be accepted in transfer.

CHEM 110 [CHM 911] General Chemistry I (5)

CHEM 130 [CHM 912] General Chemistry II (5)

CHEM 203 [CHM 913] Organic Chemistry I (5)

CHEM 204 [CHM 914] Organic Chemistry II (5)

MATH 172 [MTH 902] Calculus with Analytic Geometry II (5)

PHYSI 220 [PHY 912] University Physics II (4)

#### Required A.S. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## pre-Clinical Laboratory Science

**A.S. Degree** • *Suggested Curriculum*

Clinical laboratory scientists play an important role in the detection, diagnosis and treatment of many diseases. Bachelor's programs in the field are called clinical laboratory science or medical laboratory science and prepare students to perform complex analyses and manage all areas of the laboratory as a Level III practitioner.

### I. General Education Core (39-40)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts.

#### Area C: Mathematics (3-4 credits)

Select one math course from:

MATH 115 [M1 902] General Education Statistics (3)

MATH 153 [M1 902] Probability and Statistics (4)

#### Area D: Physical and Life Sciences (9 credits)

BIOL 112 [L1 900L] Organismal Biology (4)

CHEM 110 [P1 902L] General Chemistry I (5)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (22-23)

BIOL 111 Cellular and Molecular Biology (4) *recommended*

CHEM 130 General Chemistry II (5) *recommended*

CHEM 203 Organic Chemistry I (5)

CHEM 204 Organic Chemistry II (5)

Select two biology courses from the following:

BIOL 211 Microbiology (4)

BIOL 221 Human Anatomy & Physiology I (4)

BIOL 222 Human Anatomy & Physiology II (4)

#### Required A.S. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## Computer Science- Information Technology Emphasis

### A.S. Degree • Suggested Curriculum

The study of computer science and business focuses on the development of problem-solving skills and tools, and the ability to analyze situations and effectively use these tools. Career opportunities exist for business and financial analysts and information systems specialists. Students are strongly encouraged to complete the Associate in Science degree prior to transfer.

### I. General Education Core (38-40)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts.

#### Area C: Mathematics (4-5 credits)

Select one math course from:

MATH 155 [M1 906] Finite Mathematics (4)  
MATH 157 [M1 900-B] Calculus for Business and Social Sciences (4)  
MATH 171 [M1 900-1] Calculus with Analytic Geometry I (5)  
MATH 210 [M1 905; CS 915] Discrete Mathematics (3)

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

PHYSI 210 [P2 900L] University Physics I (4) recommended if you are considering the technical track

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E including:

ECON 201 [S3 901] Macroeconomic Principles (3)  
ECON 202 [S3 902] Microeconomic Principles (3)

### II. Area of Concentration/Major Field (9)

MATH 210 [CS 915] Discrete Mathematics (3) if not taken to satisfy Area C

Select one programming language sequence from the following\*:

ITPRG 142 Visual Basic Programming I (3)

**and** ITPRG 242 Visual Basic Programming II (3)

**or**

ITPRG 144 C++ Programming I (3)

**and** ITPRG 244 [CS 912] C++ Programming II (3)

**or**

ITPRG 147 [CS 911] JAVA Programming I (3)

**and** ITPRG 247 JAVA Programming II (3)

*\* It is strongly recommended (and may be required at some universities) that both programming courses are in the same language and are taken at the same school before transfer. Consult the university that you are considering, since different schools have different requirements. Students will need to demonstrate mastery of the language used by that institution.*

### III. Electives (13-15)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

### Required A.S. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## Computer Science- Technical Emphasis

### A.S. Degree • Suggested Curriculum

The Computer Science-Technical Emphasis curriculum focuses on algorithms, theoretical foundations of computer science, and development of software. A strong foundation in mathematics and science is needed for this emphasis. Graduates of this emphasis will be prepared to work for a variety of companies including those that have a software, engineering, scientific or mathematical focus. Universities may have multiple computer degree programs, often located in different departments, which build on the recommendations for the Computer Science-Technical Emphasis. This major is typically found in a department named Computer Science or Mathematics and Computer Science or within a College of Engineering. Some schools may not require all of the courses listed below.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course selected from humanities and one from fine arts.

#### Area C: Mathematics (3 credits)

MATH 210 [M1 905] Discrete Mathematics (3)

#### Area D: Physical and Life Sciences (7-8 credits)

PHYSI 210 [P2 900L] University Physics I \* (4)

Life Science course (3-4)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E including:

ECON 201 [S3 901] Macroeconomic Principles (3)  
 ECON 202 [S3 902] Microeconomic Principles (3)

### II. Area of Concentration/Major Field (6)

Select one programming language sequence from the following:\*

ITPRG 142 Visual Basic Programming I (3)

and ITPRG 242 Visual Basic Programming II (3)

or

ITPRG 144 C++ Programming I (3)

and ITPRG 244 [CS 912] C++ Programming II (3)

or

ITPRG 147 [CS 911] JAVA Programming I (3)

and ITPRG 247 JAVA Programming II (3)

*\* It is strongly recommended (and may be required at some senior institutions) that both programming courses are in the same language and be taken at the same school before transfer. Consult the senior institution that you are considering, since different schools have different requirements. Students will need to demonstrate mastery of the language used by that institution.*

### III. Electives (18-19)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

### Required A.S. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*



## Criminal Justice

**A.A. Degree** • *Suggested Curriculum*

This curriculum is designed for students pursuing bachelor's degrees in the fields of corrections, criminal justice, law enforcement and security management. Students are strongly encouraged to complete the Associate in Arts degree prior to transfer.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts.

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C:

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E including:

PSYCH 101 [S6 900] Introduction to Psychology (3) recommended  
SOCIO 101 [S7 900] Introduction to Sociology (3) recommended

### II. Area of Concentration/Major Field (12)

CJ 101 [CR] 901] Introduction to Criminal Justice (3)  
CJ 102 [CR] 912] Introduction to Criminology (3)  
CJ 106 [CR] 911] Introduction to Corrections (3)  
CJ 204 [CR] 914] Juvenile Justice (3)

### III. Electives (12-13)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

### Required A.A. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## pre-Dentistry

**A.S. Degree** • *Suggested Curriculum*

This program provides the foundation coursework in biology, chemistry and math for students who plan to apply to dental school. Admission to dental school is very competitive. These courses also help prepare students to take the Dental Admission Test (DAT), which is required as part of the admissions screening program.

### I. General Education Core (41)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts.

#### Area C: Mathematics (5 credits)

Select one math course from the list for Area C. Select the appropriate math course for the baccalaureate major you plan to pursue.

#### Area D: Physical and Life Sciences (9 credits)

BIOL 112 [L1 900L] Organismal Biology (4)  
CHEM 110 [P1 902L] General Chemistry I (5)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (21)

BIOL 111 Cellular and Molecular Biology (4)  
CHEM 130 General Chemistry II (5)  
CHEM 203 Organic Chemistry I (5)  
PHYSI 120 College Physics I (4)  
PHYSI 130 College Physics II (4)

### III. Electives (0)

Select courses from the bachelor's degree major you plan to pursue or the courses listed below, which are less commonly required pre-Dentistry courses. Check with the university you plan to attend.

BIOL 211 Microbiology (4)  
BIOL 221 Human Anatomy and Physiology I (4)  
BIOL 222 Human Anatomy and Physiology II (4)  
CHEM 204 Organic Chemistry II (5)  
MATH 153 Probability and Statistics (4)

### Required A.S. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## Education - Early Childhood Education

### A.A. Degree • Suggested Curriculum

This curriculum has been designed to help students select courses which are likely to apply to a major in Early Childhood Education. Students should obtain a copy of the Associate in Arts Degree Worksheet and should visit the IAI Web site at [www.itransfer.org](http://www.itransfer.org) to get specific transfer course equivalencies for participating Illinois colleges and universities.

### State Certification Requirements in Early Childhood Education

To teach young children (birth to age 8) in Illinois public schools, teachers must be certified by the State of Illinois upon completion of their baccalaureate degree program. To transfer into an approved baccalaureate program in Early Childhood Education as a junior, students must complete a minimum of 60 semester credits. Since admission is competitive, completion of the courses recommended below does not guarantee admission. Community college students are strongly encouraged to complete an Associate in Arts degree prior to transfer. A minimum grade point average of 2.5 on a 4.0 scale is usually required for program admission, and passage of either the Test of Academic Proficiency have a composite ACT plus writing score of 22, or an SAT of 1030 in order to gain admission into a College of Education.

### I. General Education Core (42-43)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course selected from humanities and one course from fine arts, including one English course numbered 200 or above. ART 131, ENG 243, HUMAN 101, or PHILO 205 recommended to meet the non-Western Cultures requirement by some senior institutions.

#### Area C: Mathematics (8 credits)

MATH 200 Mathematics for Elementary Teaching I (4)  
 MATH 206 [M1 903] Mathematics for Elementary Teaching II (4)

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component. It is recommended that both courses have a lab for the Illinois teaching certificate.

#### Area E: Social and Behavioral Sciences (9 credits)

HIST 201 [S2 900] U.S. History: 1492 to 1877 (3)  
**or**  
 HIST 202 [S2 901] U.S. History: 1877 to Present (3)  
 POLSC 140 [S5 900] Introduction to U.S. Government and Politics (3)  
 PSYCH 101 [S6 900] Introduction to Psychology (3)

### II. Area of Concentration/Major Field (9)

Professional Early Childhood Education Courses  
 ED 101 Child Growth and Development (3)  
 ECED 104 Introduction to Early Childhood Education (3)\*  
 ED 212 Exceptional Child (3)

### III. Electives (11-12)

ECED 103 Health, Safety and Nutrition (3)\* recommended  
**or** HLTH 101 Health and Wellness (2)  
 PSYCH 202 Educational Psychology (3)  
 Additional Humanities course (3)  
 Additional Science course (4)  
 Select one non-Western Cultures course: ART 131; ENG 243;  
 GEOG 101; HUMAN 101; HIST 111, 112, 115, 116, 140; or  
 PHILO 205 (3)

\*Note: Before enrolling in any additional courses with an ECED prefix at Prairie State College, consult the Transfer Guides in the Counseling & Academic Advising Center to determine the transferability of these courses.

### Required A.A. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Education - Elementary Education

### A.A. Degree • Suggested Curriculum

This curriculum suggests courses likely to apply to a major in Elementary Education meeting the guidelines of the Illinois Articulation Initiative General Education Core. Students should obtain a copy of the Associate in Arts Degree Worksheet and visit the IAI Web site at [www.itransfer.org](http://www.itransfer.org) to get transfer course equivalencies for participating Illinois colleges and universities.

### State Certification Requirements

To teach in Illinois public schools, teachers must be certified by the State of Illinois. To transfer into a baccalaureate program in education as a junior, students must have 60-64 semester credits. Admission to teacher preparation programs is competitive; completion of recommended courses does not guarantee acceptance. Students must pass either the Test of Academic Proficiency, have a composite ACT plus Writing score of 22, or an SAT score of 1,030 in order to gain admission into a College of Education. Students should consult their advisor and an advisor at the university early and often.

### I. General Education Core (42-43)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits) \*\*

Select three courses from the list for Area B with at least one course selected from humanities and one course from fine arts, including one English course numbered 200 or above. ART 131, ENG 243, HUMAN 101, or PHILO 205 recommended to meet the non-Western Cultures requirement at some senior institutions.

#### Area C: Mathematics (8 credits)

MATH 200 Mathematics for Elementary Teaching I (4)  
MATH 206 [M1 903] Mathematics for Elementary Teaching II (4)

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component. It is recommended that both courses have a lab for the Illinois teaching certificate.

#### Area E: Social and Behavioral Sciences (9 credits) \*\*

HIST 201 [S2 900] U.S. History: 1492 to 1877 (3)  
or HIST 202 [S2 901] U.S. History: 1877 to Present (3)  
POLSC 140 [S5 900] Introduction to U.S. Government and Politics (3)  
PSYCH 101 [S6 900] Introduction to Psychology (3)

### II. Area of Concentration/Major Field (9)

ED 100 Foundations of American Public Education (3)  
ED 101 Child Growth and Development (3)  
ED 212 Exceptional Child (3)

### III. Electives (10-11)

ECED 103 Health, Safety and Nutrition (3)  
or HLTH 101 Health and Wellness (2)  
PSYCH 202 Educational Psychology (3)  
Additional science course (4)

One academic discipline course, in the subject in which you plan to seek endorsement, selected in consultation with an advisor.

*Note: Select at least one course designated by IAI as non-Western (N) or Diversity (D) from either Social and Behavioral Sciences or Humanities and Fine Arts: Any of these courses will fulfill this requirement: ANTHR 215, 222; ART 131; ENG 215, 243; GEOG 101; HIST 111, 112, 115, 116, 140, 240; HUMAN 101; PHILO 205; SOCIO 215, 220*

### Required A.A. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Education - Associate of Arts in Teaching: Secondary Mathematics

**A.A.T. Degree** • Required Curriculum

The A.A.T. in Secondary Mathematics is a two-year transfer degree program designed for students preparing for careers as secondary education mathematics teachers. The program incorporates foundation coursework in teacher education, field based experiences and content coursework in mathematics. Students who successfully complete the program should be able to begin their upper-division coursework upon transfer. **A minimum cumulative GPA of 2.5 is required for graduation.**

### I. General Education Core (39-40)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits) \*\*

Select three courses from the list for Area B with at least one from humanities and one fine arts.

#### Area C: Mathematics (5 credits)

MATH 171\* [M1 900-1] Calculus with Analytic Geometry I (5)

\*Note: The Calculus sequence (MATH 171, 172, 173) must be completed prior to transfer.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits) \*\*

Select three courses in at least two disciplines from the list for Area E.

### II. Program Requirements (25-26)

ED 100 Foundations of American Public Education (3)

MATH 172 Calculus with Analytic Geometry II\* (5)

MATH 173 Calculus with Analytic Geometry III\* (5)

MATH 220 Linear Algebra (3)

Choose one professional education course from the following courses (3)

PSYCH 102 Human Growth and Development: Life Span (3)

ED 212 Exceptional Child (3)

PSYCH 202 Educational Psychology (3)

Select one mathematics course from the following (3-4)

MATH 153 Probability and Statistics (4)

MATH 216 Differential Equations (3)

Select one additional course (3-4):

Select **either** one mathematics course from

MATH 153 Probability and Statistics (4)

MATH 216 Differential Equations (3)

**or** one course from

PSYCH 102 Human Growth and Development: Life Span (3)

ED 212 Exceptional Child (3)

PSYCH 202 Educational Psychology (3)

\*\* Note: Select at least one course designated by IAI as non-Western (N) or Diversity (D) from either Social and Behavioral Sciences or Humanities and Fine Arts. Any of these courses will fulfill this requirement: ANTHR 215, 222; ART 131; ENG 215, 243; GEOG 101; HIST 111, 112, 115, 116, 140; HUMAN 101; PHILO 205; SOCIO 215, 220

### Required A.A.T. Degree Program Total: 64 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Education - Secondary Education

**A.A. Degree** • Suggested Curriculum

This curriculum suggests courses likely to apply to a major in Secondary Education meeting the guidelines of the Illinois Articulation Initiative General Education Core. Students should obtain a copy of the Associate in Arts Degree Worksheet and visit the IAI Web site at [www.itransfer.org](http://www.itransfer.org) to get transfer course equivalencies for participating Illinois colleges and universities.

### State Certification Requirements

To teach in Illinois public schools, teachers must be certified by the State of Illinois. To transfer into a baccalaureate program in education as a junior, students must have 60-64 semester credits. Admission to teacher preparation programs is competitive; completion of recommended courses does not guarantee acceptance. Students must pass either the Test of Academic Proficiency, have a composite ACT plus Writing score of 22, or an SAT score of 1,030 in order to become certified to teach in Illinois. Students should consult their advisor and an advisor at the university early and often.

### I. General Education Core (37-40)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits) \*\*

Select three courses from the list for Area B with at least one course selected from humanities and one course from fine arts, including one English course numbered 200 or above. ART 131, ENG 243, HUMAN 101, or PHILO 205 recommended to meet the non-Western Cultures requirement at some senior institutions.

#### Area C: Mathematics (3-5 credits)

Select one math course from the list for Area C. Select the course that satisfies the math requirement in your teaching major.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component. It is recommended that both courses have a lab for the Illinois teaching certificate.

#### Area E: Social and Behavioral Sciences (9 credits) \*\*

HIST 201 [S2 900] U.S. History: 1492 to 1877 (3)

**or** HIST 202 [S2 901] U.S. History: 1877 to Present (3)

POLSC 140 [S5 900] Introduction to U.S. Government and Politics (3)

PSYCH 101 [S6 900] Introduction to Psychology (3)

## II. Area of Concentration/Major Field (18)

Select four courses from the bachelor's degree major or subject you wish to teach.

ED 100	Foundations of American Public Education (3)
ED 212	Exceptional Child (3)

## III. Electives (6-7)

PSYCH 102	Human Growth and Development: Life Span (3)
PSYCH 212	Educational Psychology (3)

*\*\*Note: Select at least one course designated by IAI as non-Western (N) or Diversity (D) from either Social and Behavioral Sciences or Humanities and Fine Arts: Any of these courses will fulfill this requirement: ANTHR 215, 222; ART 131; ENG 215, 243; GEOG 101; HIST 111, 112, 115, 116, 140, 240; HUMAN 101; PHILO 205; SOCIO 215, 220*

### Required A.A. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## Engineering

### A.S. Degree • Suggested Curriculum

The engineer is concerned with the application of scientific principles to practical problems. Employment opportunities for engineers include the complete spectrum of the workforce and theoretical research activities. In the typical four-year curriculum, the first two years concentrate on the basic sciences including mathematics, chemistry, and physics. The last two years emphasize advanced mathematics and science courses. PSC offers courses applicable to the first two years of the curriculum and will grant an Associate in Science degree to successful students.

### I. General Education Core (39-40)

#### Area A: Communication (9 credits)

ENG 101	[C1 900] Composition I - with a grade of C or better (3)
ENG 102	[C1 901R] Composition II - with a grade of C or better (3)
COMM 101	[C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts.

#### Area C: Mathematics (5 credits)

MATH 171	[M1 900-1] Calculus with Analytic Geometry I (5)
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Area D: Physical and Life Sciences (7-8 credits)

PHYSI 210	[P2 900L] University Physics I (4)
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Select one life science course (3-4)

#### Area E: Social and Behavioral Sciences (9 credits)

Select 3 courses in at least two different disciplines from list for

Area E including:

ECON 201	[S3 901] Macroeconomic Principles (3) recommended
ECON 202	[S3 902] Microeconomic Principles (3) recommended

### II. Area of Concentration/Major Field (22-23)

Essential Engineering prerequisite courses:

CHEM 110	[CHM 911] General Chemistry I (5)
MATH 172	[MTH 902] Calculus with Analytic Geometry II (5)
MATH 173	[MTH 903] Calculus with Analytic Geometry III (5)
MATH 216	[MTH 912] Differential Equations (3)
PHYSI 220	[PHY 912] University Physics II (4)

Suggested IAI courses for Chemical Engineering:

CHEM 130	[CHM 912] General Chemistry II (5)
CHEM 203	[CHM 913] Organic Chemistry I (5)
CHEM 204	[CHM 914] Organic Chemistry II (5)

Suggested IAI courses for Civil, Industrial, and Mechanical Engineering:

CADMD 245	[EGR 941] Computer Aided Design (3)
ENGR 210	[EGR 942] Engineering Statics (3)
ENGR 211	[EGR 943] Engineering Dynamics (3)

### Required A.S. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## English/Literature

**A.A. Degree • Suggested Curriculum**

Four-year degree programs in English emphasize study of literature and literary criticism. Specializations in creative and/or technical writing prepare a student for certification as a high school English teacher as well as for writing jobs. Students seeking a bachelor's degree in English are encouraged to complete an A.A. or A.S. degree prior to transfer. All literature courses require substantial formal writing, it is recommended students complete the two-course writing sequence before enrolling in literature courses.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts. It is recommended that students satisfy the Humanities and Fine Arts requirement with courses other than the English major recommendations listed below. Students may choose to take other literature courses or any other general education Humanities and Fine Arts course.

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (9)

ENG 211 [H3 914] American Literature I (3)  
 ENG 231 [H3 912] British Literature I (3)  
 ENG 232 [H3 913] British Literature II (3)

### III. Electives (15-16)

ENG 212 [H3 915] American Literature II (3)  
 Competency in a single Foreign Language through the third or fourth semester of college or three or four years in high school is recommended.

#### Required A.A. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## General Math/Science

**A.S. Degree • Suggested Curriculum**

This curriculum has been designed for students who plan to transfer into a bachelor of science degree program but are undecided about their specific major. It provides the basic foundation in math, the sciences, and general education required by universities for entry into math/science-related programs.

### I. General Education Core (41)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts.

#### Area C: Mathematics (5 credits)

MATH 171 [M1 900-1] Calculus with Analytic Geometry I (5)

#### Area D: Physical and Life Sciences (9 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

BIOL 112 [L1 900L] Organismal Biology (4)

CHEM 110 [PI 902L] General Chemistry I (5)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (21)

Suggested science/math foundation courses include:

BIOL 111 Cellular and Molecular Biology (4)  
 CHEM 130 General Chemistry II (5)  
 MATH 172 Calculus with Analytic Geometry II (5)  
 MATH 173 Calculus with Analytic Geometry III (5)  
 PHYSI 210 University Physics I (4)  
 PHYSI 220 University Physics II (4)

#### Required A.S. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## Geology

### A.S. Degree • Suggested Curriculum

Geologists study the Earth, the processes that shape it, the resources we get from it, and the impact of human action on it. Geologists work in petroleum and mineral exploration, researching and predicting natural disasters, and teaching. An increasing number of geologists focus on environmental work, ensuring adequate water supplies and reducing pollution. In the typical four-year curriculum, the first two years are spent studying basic sciences, including mathematics, chemistry, and physics. The last two years emphasize advanced science courses. Students are strongly encouraged to complete the Associate in Science degree prior to transfer.

### I. General Education Core (39-40)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course selected from the humanities area and at least one course from the fine arts area.

#### Area C: Mathematics (5 credits)

MATH 171 [M1 900-1] Calculus with Analytic Geometry I (5)

#### Area D: Physical and Life Sciences (7-8 credits)

GEOL 101 [PI 907L] Physical Geology (4)

Select one life science course (3-4)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area B.

### II. Area of Concentration/Major Field (22-23)

Check with the university you plan to transfer to before selecting courses in this area.

CHEM 110 General Chemistry I (5)  
 CHEM 130 General Chemistry II (5)  
 MATH 172 Calculus with Analytic Geometry II (5)  
 MATH 173 Calculus with Analytic Geometry III (5)  
 PHYSI 120 College Physics I (4)\*  
 PHYSI 130 College Physics II (4)\*  
 PHYSI 210 University Physics I (4)\*  
 PHYSI 220 University Physics II (4)\*

### Required A.S. Degree Program Total: 62 credits

\*Some universities require algebra-based physics (PHYSI 120, 130). Others require calculus-based physics (PHYSI 210, 220)

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## History

### A.A. Degree • Suggested Curriculum

This transfer program is designed for students pursuing a bachelor's degree in various areas of history. The history curriculum at Prairie State College provides students with the background in history and general education courses necessary for advanced work at a university. Students are strongly encouraged to complete the Associate in Arts degree prior to transfer.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and at least one from fine arts.\*

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.\*

### II. Area of Concentration/Major Field (12)

HIST 201 [S2 900] U.S. History: 1492 to 1877 (3)

HIST 202 [S2 901] U.S. History: 1877 to Present (3)

Select one of the following sequences depending on recommendations at the intended transfer school:

HIST 111 [S2 912N] World History: Origins to 1714 (3)

**and** HIST 112 [S2 913N] World History: 1714 to Present (3)

**or**

HIST 151 [S2 902] History of Western Civilization I (3)

**and** HIST 152 [S2 903] History of Western Civilization II (3)

### III. Electives (12-13)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

Competency through the fourth semester or four years in high school of a single foreign language is required for the B.A. degree in History in some universities, and for all majors in the College of Arts and Sciences at many universities.

### Required A.A. Degree Program Total: 62 credits

\*Students are advised to take non-History courses to fulfill the Humanities and Social and Behavior Sciences general education requirements.

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## pre-Law

### A.A. Degree • Suggested Curriculum

This transfer program is designed to provide students with the background necessary for advanced work at a university. A bachelor's degree from an accredited college and a satisfactory score on the Law School Admission Test (LSAT) are required for admission to most law schools. Most law schools have no specific requirements with regard to the courses chosen in pre-legal study. Common majors among pre-law students include business, history, political science, psychology, sociology, and English. These subject areas help develop skills in close reading, critical thinking, and logical argument. Proficiency in these skills is considered essential for a career in law. Students are strongly encouraged to complete an Associate in Arts degree prior to transfer.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts.

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (24-25)

Select courses from the bachelor's degree major you plan to pursue.

#### Required A.A. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## Liberal Arts

### A.A. Degree • Suggested Curriculum

This curriculum is designed for students who plan to transfer into a bachelor of arts degree program but are undecided about their specific major. It provides the basic foundation in the humanities, fine arts, social and behavioral sciences, mathematics, communication, and physical and life sciences that is required by universities for entry into arts and sciences related programs.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts.

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (24-25)

Select 24-25 credits from the list of courses approved for transfer or courses from the bachelor's degree major you are considering.

#### Required A.A. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*



## Mass Communication: Advertising/Public Relations

### A.A. Degree • Suggested Curriculum

It is recommended that students complete the entire mass communication core at one school. Mass Communication students who wish to concentrate in Advertising/Public Relations should complete a minimum of six credit hours in the major in addition to the General Education Core Curriculum. Remaining credits needed to complete an associate degree should be chosen with the assistance of an academic advisor. Some schools have specific requirements for admission to the major (e.g., minimum GPA, portfolio review, or other forms of assessment). Check with an advisor.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (6-9)

BUS 261 [MC912] Advertising (3)

Select one or two courses from:

COMM 111 [MC 911] Introduction to Mass Communication (3)

JRNLM 101 [MC 919] Introduction to Journalism (3)

### III. Electives (15-19)

ITAPP 101 [BUS 902] Introduction to Computers (3)  
(if student is not already computer literate)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

### Required A.A. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Mass Communication: Multimedia

### A.A. Degree • Suggested Curriculum

It is recommended that students complete the entire sequence at one school. Mass Communication students who wish to concentrate in Multimedia should complete a minimum of nine credit hours in the major in addition to the General Education Core Curriculum. Remaining credits needed to complete an associate degree should be chosen with the assistance of an academic advisor. Some universities have specific requirements for admission to the major (e.g., minimum GPA, portfolio review, or other forms of assessment). Check with an advisor.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (9)

COMM 111 [MC 911] Introduction to Mass Communication (3)

Select two of the following courses:

GC 162 Introduction to Web Site Development (3)

GC 175 2D Animation (3)

ITWEB 105 Multimedia Writing (3)

### III. Electives (15-16)

ITAPP 101 [BUS 902] Introduction to Computers (3)  
(if student is not already computer literate)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

### Required A.A. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Mass Communication: Radio/TV/Film

### A.A. Degree • Suggested Curriculum

It is recommended that students complete the entire mass communication core at one school. Mass Communication students who wish to concentrate in Radio/TV/Film should complete a minimum of nine credit hours in the major in addition to the General Education Core Curriculum. Remaining credits needed to complete an associate degree should be chosen with the assistance of an academic advisor. Some universities have specific requirements for admission to the major (e.g., minimum GPA, portfolio review, or other forms of assessment). Check with an advisor.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (9)

COMM 111 [MC 911] Introduction to Mass Communication (3)

COMM 115 [MC 914] Introduction to Broadcasting (3)

ENG 256 [HF 908] Film and Literature (3)

### III. Electives (15-16)

ITAPP 101 [BUS 902] Introduction to Computers (3)  
(if student is not already computer literate)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

### Required A.A. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Mathematics

### A.S. Degree • Suggested Curriculum

It is recommended that students complete the entire sequence at one school. Bachelor's degree programs in mathematics prepare students with diverse career goals by developing rigorous, logical thinking; an appreciation and familiarity with complex structures and algorithms; and the ability to learn technical material and abstract concepts. Students are strongly encouraged to complete an Associate in Arts or Associate in Science degree prior to transfer into a university's Mathematics program. Since admission is competitive, completing the courses recommended below does not by itself guarantee admission.

### I. General Education Core (39-40)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts.

#### Area C: Mathematics (5 credits)

MATH 171 [M1 900-I] Calculus with Analytic Geometry I (5)\*

#### Area D: Physical and Life Sciences (7-8 credits)

PHYSI 210 [P2 900L] University Physics I (4) recommended

Select one life science course from the list for Area D.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (13)

MATH 172 [MTH 902] Calculus with Analytic Geometry II (5)\*

MATH 173 [MTH 903] Calculus with Analytic Geometry III (5)\*

MATH 216 [MTH 912] Differential Equations (3)

or

MATH 220 Linear Algebra (3) preferred

### III. Electives (9-10)

ITPRG 147 [CS 911] JAVA Programming I (3)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

### Required A.S. Degree Program Total: 62 credits

Note: Students who intend to teach mathematics at the secondary level should pursue the A.A.T. degree in Secondary Mathematics.

\* It is recommended that students complete the entire calculus sequence at a single institution.

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## pre-Medicine

**A.S. Degree** • *Suggested Curriculum*

This program provides the foundation course work in biology, chemistry, and mathematics for students who plan to apply to medical school. Admission to medical school is highly competitive, and it is important for students to maintain a high overall grade point average, as well as to excel in laboratory science courses. This course work also helps to prepare the student to take the Medical College Admissions Test (MCAT), which is required as part of the admissions screening program.

### I. General Education Core (41)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Speech Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts.

#### Area C: Mathematics (5 credits)

MATH 171 [M1 900-I] Calculus with Analytic Geometry I (5)

#### Area D: Physical and Life Sciences (9 credits)

BIOL 112 [LI 900L] Organismal Biology (4)

CHEM 110 [PI 902L] General Chemistry I (5)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (21)

BIOL 111 Cellular and Molecular Biology (4)

CHEM 130 General Chemistry II (5)

CHEM 203 Organic Chemistry I (5)

CHEM 204 Organic Chemistry II (5)

PHYSI 120 College Physics I (4)

PHYSI 130 College Physics II (4)

### Required A.S. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## Music Education

**A.A. Degree** • *Suggested Curriculum*

This curriculum has been designed for students who plan to transfer into a Bachelor of Arts degree program with a major in music education. A broad background in music theory, literature, keyboarding skills, aural skills, ensemble performance, and applied music instruction is offered at the community college level to provide a foundation for advanced study in music at a university. Transfer admission in music education is competitive. Students may need to demonstrate their skill level through auditions and/or placement testing at the senior institution. To teach music in the Illinois public schools, teachers must be certified by the State of Illinois. All senior institutions require passage of either the Test of Academic Proficiency have a composite ACT plus writing score of 22, or an SAT of 1030 in order to gain admission into a college of Education.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts, including one English course numbered 200 or above. ART 131, ENG 243, HUMAN 101, or PHILO 205 recommended to meet the non-Western Cultures requirement by some senior institutions.

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E. The following courses are recommended to fulfill teacher certification requirement:

HIST 201 [S2 900] U.S. History: 1492 to 1877 (3)

**or** HIST 202 [S2 901] U.S. History: 1877 to Present (3)

POLSC 140 [S5 900] Introduction to U.S. Government and Politics (3)

PSYCH 101 [S6 900] Introduction to Psychology (3)

**Continued**

## Music Education

**A.A. Degree • Suggested Curriculum**

**Continued from previous page**

### II. Area of Concentration/Major Field (24-25)

Take one musicianship course each term for a total of 16 credits.

MUSIC 101	Musicianship I (4)
MUSIC 102	Musicianship II (4)
MUSIC 201	Musicianship III (4)
MUSIC 202	Musicianship IV (4)

Select from Ensemble Groups I-IV: Take one each term for total of 4 credits.

MUSIC 110	Community Chorus (1)
MUSIC 120	Wind Ensemble (1)
MUSIC 152	Jazz Ensemble I (1)
MUSIC 153	Jazz Ensemble II (1)
MUSIC 162	Vocal Jazz Ensemble I (1)
MUSIC 163	Vocal Jazz Ensemble II (1)

Select from Applied Music Instruction I-IV (Private Music Lessons):

Take one each term for a total of 8 credits.

MUSIC 191	Private Applied Music I (2)
MUSIC 192	Private Applied Music II (2)
MUSIC 291	Private Applied Music III (2)
MUSIC 292	Private Applied Music IV (2)

### Required A.A. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## Music Performance

**A.A. Degree • Suggested Curriculum**

This curriculum is designed for students who plan to transfer into a Bachelor of Arts degree program with a major in music performance. A broad background in music theory, literature, keyboarding skills, aural skills, ensemble performance, and applied music instruction is offered at the community college level to provide a foundation for advanced study in music at a university. Transfer admission in music is competitive, and most universities require auditions and placement testing as part of the transfer admissions process.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts, one English course numbered 200 or above is recommended.

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area B. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (24-25)

Take one musicianship course each term for a total of 16 credits.

MUSIC 101	Musicianship I (4)
MUSIC 102	Musicianship II (4)
MUSIC 201	Musicianship III (4)
MUSIC 202	Musicianship IV (4)

Select from Ensemble Groups I-IV: Take one each term for a total of 4 credits.

MUSIC 110	Community Chorus (1)
MUSIC 120	Wind Ensemble (1)
MUSIC 152	Jazz Ensemble I (1)
MUSIC 153	Jazz Ensemble II (1)
MUSIC 162	Vocal Jazz Ensemble I (1)
MUSIC 163	Vocal Jazz Ensemble II (1)

Select from Applied Music Instruction I-IV (Private Music Lessons):

Take one each term for a total of 8 credits.

MUSIC 191	Private Applied Music I (2)
MUSIC 192	Private Applied Music II (2)
MUSIC 291	Private Applied Music III (2)
MUSIC 292	Private Applied Music IV (2)

### Required A.A. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## pre-Nursing

**A.S. Degree • Suggested Curriculum**

A registered nurse (RN) supervises, teaches and delegates nursing care to health team members and delivers direct care and treatment. The RN also prepares patients for surgery, administers intravenous therapy, establishes patient care plans, assesses and evaluates patient needs, and supervises nursing care. Students who earn a bachelor's degree in nursing are also licensed RN's by the Illinois Department of Financial and Professional Regulation. For optimum transfer, students should take courses in chemistry, math, and humanities.

### I. General Education Core (38-39)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (8-9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts.

#### Area C: Mathematics (3 credits)

MATH 115 [M1 902] General Education Statistics (3)

#### Area D: Physical and Life Sciences (9 credits)

BIOL 111 Cellular & Molecular Biology (4)  
 CHEM 105/110 Check with the university you are considering to choose the appropriate level of chemistry (4-5)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E including:

PSYCH 101 [S6 900] Introduction to Psychology (3)  
 PSYCH 102 [S6 902] Human Growth & Development: Life-Span (3)

### II. Area of Concentration/Major Field (12)

BIOL 211 Microbiology (4)  
 BIOL 221 Human Anatomy & Physiology I (4)  
 BIOL 222 Human Anatomy & Physiology II (4)

### III. Electives (11-12)

Less commonly required pre-Nursing classes are below. Check with the university you are considering.

CHEM 130 General Chemistry II (4)  
 CHEM 203 Organic Chemistry I (5)

#### Required A.S. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## pre-Occupational Therapy

**A.S. Degree • Suggested Curriculum**

This curriculum is designed to help students select courses which are likely to apply to a major in Occupational Therapy. The courses listed are suggested courses which are designed to satisfy requirements in the Associate in Science degree program at Prairie State College and to provide the basis for transferring to a four-year institution.

Occupational therapists are concerned with people's ability to perform their work, self-care, and play in a competent, self-satisfying manner. When disease, trauma, or stress interferes with performance, the occupational therapist uses various methods of mutual problem-solving, environmental modification, and adaptive devices to support and enhance performance. This program provides the foundation course work necessary for admission to an occupational therapy program. Occupational therapy programs are masters degree level programs which require two years of prerequisite course work followed by four years in an approved occupational therapy program. Admission to occupational therapy programs is very competitive.

### I. General Education Core (39-40)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts.

#### Area C: Mathematics (3-4 credits)

Select one math course from:

MATH 115 [M1 902] General Education Statistics (3)  
 MATH 153 [M1 902] Probability and Statistics (4)

#### Area D: Physical and Life Sciences (9 credits)

Select one life science and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

ANTHR 215/ANTHR 222/SOCIO 101 (3)  
 PSYCH 101 [S6 900] Introduction to Psychology (3)  
 PSYCH 102 [S6 902] Human Growth and Development: Life Span (3)

### II. Area of Concentration/Major Field (11)

BIOL 221 Human Anatomy & Physiology I (4)  
 BIOL 222 Human Anatomy & Physiology II (4)  
 PSYCH 203 Abnormal Psychology (3)

### III. Electives (11-12)

Less commonly required pre-Occupational Therapy classes are below. Check with the university you are considering.

PHYSI 120 College Physics I (4)

#### Required A.S. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## pre-Pharmacy

**A.S. Degree • Suggested Curriculum**

This curriculum is designed to help students select courses which are likely to apply to a pre-Pharmacy program. The courses listed are suggested courses which are designed to satisfy requirements in the Associate in Science degree program at PSC and to provide the basis for transferring to a four-year institution.

The practice of clinical pharmacy promotes optimal, safe and appropriate drug use by patients. The clinical pharmacist is trained in all aspects of drug therapy management and patient drug education. The pre-Pharmacy program provides students with the foundation course work necessary to meet the prerequisites for admission to a school of pharmacy. Pharmacy schools require applicants to complete two years of pre-pharmacy course work. The colleges of Pharmacy then offer the final four years of a six-year program leading to the Doctor of Pharmacy degree (PharmD). Admission to these programs is very competitive.

### I. General Education Core (41)

#### Area A: Communication (9 credits)

- ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts.

#### Area C: Mathematics (5 credits)

- MATH 171 [M1 900-1] Calculus with Analytic Geometry (5)

#### Area D: Physical and Life Sciences (9 credits)

- BIOL 112 [LI 900L] Organismal Biology (4)  
 CHEM 110 [PI 902L] General Chemistry I (5)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E including:

- ECON 201 [S3 901] Macroeconomic Principles (3)

### II. Area of Concentration/Major Field (21)

- BIOL 111 Cellular & Molecular Biology (4)  
 BIOL 221 Human Anatomy & Physiology I (4)  
 BIOL 222 Human Anatomy & Physiology II (4)  
 CHEM 130 General Chemistry II (5)  
 CHEM 203 Organic Chemistry I (5)  
 CHEM 204 Organic Chemistry II (5)  
 PHYSI 120 College Physics I (4)  
 PHYSI 130 College Physics II (4)

### Required A.S. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Physical Education

**A.A. Degree • Suggested Curriculum**

This curriculum identifies courses which are likely to apply to a major in Physical Education (with specializations in P.E. Teacher Education, Athletic Coaching, Athletic Training, Exercise Science, Kinesiology, Personal Trainer, etc.). Students should consult the school to which they plan to transfer to discuss the variety of their program and course offerings and to determine which courses to take at the freshman/sophomore level at PSC. Many of these programs have a competitive admissions process and require a specific minimum GPA for admission. Kinesiology and exercise science programs usually require a strong foundation in mathematics (such as statistics) and sciences (such as anatomy and physiology and physics).

### I. General Education Core (37-38)

#### Area A: Communications (9 credits)

- ENG 101 [C1 900]\* Composition - with a grade of C or better (3)  
 ENG 102 [C1 901R]\* Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication  
 - with a grade of C or better (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from Area B with at least one course from humanities and one from fine arts. For Illinois teacher certification, select one English course numbered 200 or above. ART 131, ENG 243, HUMAN 101 or PHILO 205 recommended to meet the non-Western Cultures requirement at some senior institutions.

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component. It is recommended that both courses have a lab for the Illinois teaching certificate.

- BIOL 112 [LI 900L] Organismal Biology (4) *recommended*

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E including:

- PSYCH 101 [S6 900] Introduction to Psychology (3)  
 PSYCH 102 [S6 902] Human Growth and Development: Lifespan (3)  
 POLSC 140 or HIST 201 or 202 recommended for Illinois teacher certification.

### II. Area of Concentration/Major Field (24-25)

- BIOL 111 Cellular and Molecular Biology (4)  
 BIOL 221 Human Anatomy & Physiology I (4)  
 BIOL 222 Human Anatomy & Physiology II (4)  
 ED 100 Foundations of American Public Education (3)  
 HLTH 101 Health and Wellness (2)  
 PES 200 Officiating Sports (3)  
 PES 201 Introduction to Physical Education (2)

Select up to 4 credits from the following physical education activity courses:

- PE 101, 102, 103, 104, 105, 106, 107, 108, 151, 161, 162, 163, 164, 165

### Required A.A. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## pre-Physical Therapy

**A.S. Degree** • *Suggested Curriculum*

Physical therapy is the promotion of optimum human health and function through the application of scientific principles to prevent, identify, correct or alleviate dysfunctions originating in anatomy. This program provides the student with a sound background in the basic sciences and mathematics necessary for admission to a physical therapy program. Admission to these programs is very competitive. Physical therapy programs look for students with high grade point averages, especially in the science and math courses. In addition, documented clinical experience is a prerequisite for admission to most programs.

### I. General Education Core (41)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts.

#### Area C: Mathematics (5 credits)

MATH 153 [M1 902] Probability and Statistics (4)

#### Area D: Physical and Life Sciences (9 credits)

BIOL 112 [LI 902L] Organismal Biology (4)  
 CHEM 110 [PI 902L] General Chemistry I (5)

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E including:  
 PSYCH 101 [S6 900] Introduction to Psychology (3)

### II. Area of Concentration/Major Field (21)

BIOL 111 Cellular & Molecular Biology (4)  
 BIOL 221 Human Anatomy & Physiology I (4)  
 BIOL 222 Human Anatomy & Physiology II (4)  
 CHEM 130 General Chemistry II (5)  
 PHYSI 120 College Physics I (4)  
 PHYSI 130 College Physics II (4)

#### Required A.S. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## Physics

**A.S. Degree** • *Suggested Curriculum*

The physicist is concerned with theoretical scientific principles. Employment opportunities for engineers and physicists include theoretical research activities plus many other options. In the typical four-year curriculum, the first two years concentrate on the basic sciences including mathematics, chemistry, and physics. The last two years emphasize advanced mathematics and science courses. PSC offers courses applicable to the first two years of the curriculum, and will grant an Associate in Science degree to successful students.

### I. General Education Core (40-41)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)  
 ENG 102 [C1 901R] Composition II - with a grade of C or better (3)  
 COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts.

#### Area C: Mathematics (5 credits)

MATH 171 [M1 900-1] Calculus with Analytic Geometry I (5)

#### Area D: Physical and Life Sciences (8-9 credits)

CHEM 110 [PI 902L] General Chemistry I (5)  
 One life science course from the list for Area D (3-4).

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (16)

Physics core courses:

PHYSI 210 [PHY 911] University Physics I (4)  
 PHYSI 220 [PHY 912] University Physics II (4)  
 PHYSI 230 [PHY 914] University Physics III (4)

### III. Electives (5-6)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

#### Required A.S. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## Political Science

**A.A. Degree** • *Suggested Curriculum*

This curriculum is designed for students pursuing a bachelor's degree in Political Science. The transfer program provides students with a broad background to examine all aspects of public life, and prepares them to be alert and well-informed participants in a wide variety of local, state, national, and international issues. Students are strongly encouraged to complete the Associate in Arts degree prior to transfer.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - *with a grade of C or better* (3)

ENG 102 [C1 901R] Composition II - *with a grade of C or better* (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts.

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area B. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (12)

POLSC 140 [S5 900] Introduction to U.S. Government and Politics (3)

POLSC 230 [S5 905] Introduction to Comparative Government (3)

POLSC 240 [S5 904] Introduction to International Relations (3)

POLSC 250 [PLS 913] Introduction to Political Philosophy (3)

### III. Electives (12-13)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

#### Required A.A. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*

## Psychology

**A.A. Degree** • *Suggested Curriculum*

The Psychology transfer program provides a broad general education background and prepares students for the specialized coursework undertaken during the last two years of a bachelor's degree. Students who plan to major in psychology are encouraged to complete foundation coursework in sciences and mathematics in addition to completing a core of basic psychology courses. It is recommended that students complete the Associate in Arts degree prior to transfer.

### I. General Education Core (37-40)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - *with a grade of C or better* (3)

ENG 102 [C1 901R] Composition II - *with a grade of C or better* (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course selected from the humanities area and one course from the fine arts area.

#### Area C: Mathematics (3-5 credits)

Select one math course from:

MATH 115 [M1 902] General Education Statistics (3)

MATH 153 [M1 902] Probability & Statistics (4)

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E including:

PSYCH 101 [S6 900] Introduction to Psychology (3)

### II. Area of Concentration/Major Field (9)

PSYCH 102 [S6 902] Human Growth & Development: Life-Span (3)

PSYCH 203 [PSY 905] Abnormal Psychology (3)

PSYCH 215 [S8 900] Social Psychology (3)

### III. Electives (13-16)

MATH 155 [M1 906] Finite Mathematics (4)

MATH 171 [M1 900-1] Calculus with Analytic Geometry I (5)

The number of psychology courses taken at the freshman/sophomore level should generally not exceed 12 credits and should be limited to the courses recommended above.

#### Required A.A. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*



## Social Work

### A.A. Degree • Suggested Curriculum

The profession of social work is devoted to helping people function optimally in their environment by providing direct and indirect services to individuals, families, groups, and communities and by working to improve social conditions. Bachelor's degree programs in social work prepare students for careers in public and private agencies such as child welfare, mental health, corrections, shelters, and many other workplaces. Community college students interested in completing bachelor's degrees in social work are strongly encouraged to complete an Associate in Arts degree prior to transfer. Students should see their advisors about particular social work baccalaureate programs for specific entry requirements since admission to these programs is competitive and completion of courses does not guarantee admission to a program at a university.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

ENG 211 or 212 American Literature I or II (3)

PHILO 203 [H4 906] Introduction to Logic (3)

Select an additional course in fine arts or interdisciplinary humanities/fine arts from the list for Area B.

#### Area C: Mathematics (3 credits)

MATH 115 [M1 902] General Education Statistics (3)

#### Area D: Physical and Life Sciences (7-8 credits)

BIOL 100 [L1 900L] General Education Biology (4)

Select one physical science course from the list for Area D.

#### Area E: Social and Behavioral Sciences (9 credits)

ANTHR 222 [S1 901N] Introduction to Cultural & Social Anthropology (3)

PSYCH 101 [S6 900] Introduction to Psychology (3)

SOCIO 101 [S7 900] Introduction to Sociology (3)

### II. Area of Concentration/Major Field (15)

ECON 201 Macroeconomic Principles (3)

POLSC 140 Introduction to U.S. Governments and Politics (3)

PSYCH 102 Human Growth and Development: Life-Span (3)

SOCIO/SWK 201 Introduction to Social Work (3)

### III. Electives (10-11)

BIOL 108 Essentials of Anatomy and Physiology (4)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

### Required A.A. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Sociology

### A.A. Degree • Suggested Curriculum

This curriculum is designed for students who plan to pursue a bachelor's degree in such fields as behavioral science, and sociology. The Sociology transfer program provides students with a broad, general education background and prepares them for the specialized coursework undertaken during the last two years of a bachelor's degree. Students are strongly encouraged to complete the Associate in Arts degree prior to transfer.

### I. General Education Core (37-39)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one from fine arts.

#### Area C: Mathematics (3-4 credits)

Select one math course from:

MATH 115 [M1 902] General Education Statistics (3)

MATH 153 [M1 902] Probability & Statistics (4)

MATH 155 [M1 906] Finite Mathematics (4)

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

ANTHR 215 [S1 900N] Introduction to Anthropology (3)

or

ANTHR 222 [S1 901N] Introduction to Cultural and Social Anthropology (3)

SOCIO 101 [S7 900] Introduction to Sociology (3)

Select one additional course from the list for Area E.

### II. Area of Concentration/Major Field (9)

Select up to three courses from:

SOCIO 111 [S7 901] Contemporary Social Issues (3)

SOCIO 210 [S7 902] Marriage and the Family (3)

SOCIO 215 [S7 904D] Sex, Gender, and Power (3)

SOCIO 220 [S7 903D] Race Relations: A Multicultural Perspective (3)

### III. Electives (15-16)

Select additional courses from the list of courses approval for transfer or contact the universities you are considering.

### Required A.A. Degree Program Total: 62 credits

Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.

## Speech Communication

### A.A. Degree • Suggested Curriculum

This program provides the foundation for students planning to transfer to speech communication programs and specializing in such areas as interpersonal, organization, or persuasive communication; speech performance; or high school teaching. It is recommended that students complete a well-rounded general education core curriculum. Students are strongly encouraged to complete the Associate in Arts degree prior to transfer.

### I. General Education Core (37-38)

#### Area A: Communication (9 credits)

ENG 101 [C1 900] Composition I - with a grade of C or better (3)

ENG 102 [C1 901R] Composition II - with a grade of C or better (3)

COMM 101 [C2 900] Principles of Communication (3)

#### Area B: Humanities and Fine Arts (9 credits)

Select three courses from the list for Area B with at least one course from humanities and one course from fine arts.

#### Area C: Mathematics (3 credits)

Select one math course from the list for Area C.

#### Area D: Physical and Life Sciences (7-8 credits)

Select one life science course and one physical science course from the list for Area D. One course must have a lab component.

#### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines from the list for Area E.

### II. Area of Concentration/Major Field (9)

Recommended Speech Communication Courses:

COMM 102 Persuasive Public Speaking (3)

COMM 103 Group Discussion (3)

COMM 108 Interpersonal Communication (3)

### III. Electives (15-16)

Typical elective courses include, but are not limited to:

COMM 111 Introduction to Mass Communication (3)

COMM 196 Applied Forensics I (1)

COMM 197 Applied Forensics II (1)

COMM 198 Applied Forensics III (1)

COMM 199 Applied Forensics IV (1)

### Required A.A. Degree Program Total: 62 credits

*Each college and university has its own major requirements and transfer policies. Consult the schools you are considering and a PSC advisor to discuss courses and their transferability.*



## Associate in General Studies Degree (A.G.S.) Guidelines

The Associate in General Studies (A.G.S.) degree, while not intended for transfer or directed at a specific occupation, allows students to design their own two-year program. It provides an opportunity to complete an associate degree of one's own making. This degree has minimal general education requirements and thus allows one considerable freedom in designing and pursuing a course of study that meets individualized learning goals. Note, however, this degree is not recommended as a stepping-stone toward a baccalaureate degree, nor is it covered by the College's Educational Guarantee. A student considering the Associate in General Studies degree should meet with an advisor to determine whether this degree is well suited to his/her educational goals and needs.

### A.G.S. Degree Requirements

A student will be recommended for an Associate in General Studies degree upon completion of the following requirements:

1. Successfully completing at least 15 semester hours of credit at Prairie State College (excluding proficiency credits).
2. Completed 62 semester hours of college credit, 20 of which are specified below.
3. Attained a minimum grade point average of 2.0.
4. Completed at least one course in each of the major General Education components (communication, humanities and fine arts, science and mathematics and the social sciences).
5. Completed the remaining 47 credit hours for the degree based on the student's area of interest, and including any baccalaureate or occupationally oriented courses offered by the College and numbered 100 or higher.

## Associate in Applied Science

The Associate in Applied Science (A.A.S.) represents completion of a minimum of 60 credit hours in a technical or career program. Certificates are awarded after completion of up to 50 credits that focus on specific occupational or technical areas of study.

### A.A.S. Degree Requirements

An Associate in Applied Science degree is awarded to those students who successfully complete a program of study for a specific occupational area. Candidates for the A.A.S. Degree must fulfill the following requirements:

1. Successfully completed at least 15 semester hours of credits at Prairie State College (excluding proficiency credits).
2. Completed program requirements as specified by the occupational/technical degree program (minimum of 60 semester hours). This includes a General Education Core Curriculum, program-mandated occupational/technical courses, and electives as determined by the A.A.S. degree program.
3. Attained a minimum cumulative grade point average of 2.0 on a 4.0 scale in all Prairie State College courses.
4. Filed appropriate evidence of high school graduation or GED certificate with the Enrollment Services Office.

## A.A.S. Degree Components

The A.A.S. degree is composed of a general education component, a core concentration of occupational/technical courses, and other program electives.

### I. General Education Core Curriculum for the A.A.S. Degree

#### AREA A: Communication (6 semester hours)

ENG 101 [C1 900] Composition I - with a grade of C or better

COMM 101 [C2 900] Principles of Communication

#### AREA B: Humanities and Fine Arts (3 semester hours)

One course, specified by program or selected from list for Area B at the front of this section.

#### AREA C: Mathematics - demonstrate competence by:

- a) Placing into MATH 095 or above on the Prairie State College Assessment Test; or
- b) Completing MATH 090 - with a grade of C or better; or
- c) Completing a math course(s) as specified by the degree program.

#### AREA D: Physical and Life Sciences (3-4 semester hours)

One course, specified by program or selected from the list for Area D at the front of this section.

#### AREA E: Social and Behavioral Sciences (3 semester hours)

One course, specified by program or selected from the list for Area E at the front of this section.

### II. Area of Concentration/Program Requirements

Program requirements are established by each department to reflect the core competencies expected in the workplace for specific occupations.

### III. Electives

Electives are determined by each department based on options for specialization within a program or to provide students with choices related to their career goals.

## Certificate Guidelines

Certificates are awarded after completion of up to 50 credits that focus on specific occupational or technical areas of study. Certificates are awarded to those students completing education and training in a particular occupational field of study. A student will be recommended for a certificate if the following requirements are met:

### Certificate Requirements

1. Completed the certificate requirements as specified in the certificate program.
2. Attained a minimum grade point average of 2.0 in the courses identified in the certificate program.
3. Completed 15 credit hours or one-half of the required credit hours for programs that exceed 30 credit hours, as a student at Prairie State College.

## Career Programs

The following list designates career degree and certificate programs by specific areas of study. Consult each program for the required curriculum. Curriculum for career programs reflects current workforce trends, skills standards, and licensure/ accreditation standards where applicable.

### Automotive Technology

Automotive Technology (A.A.S.)  
Automotive Alignment Specialist (Cert.)  
Automotive Brake Specialist (Cert.)  
Automotive Drivability Specialist (Cert.)  
Automotive Engines Specialist (Cert.)  
Automotive Heating/Air Conditioning Specialist (Cert.)  
Automotive Parts Specialist (Cert.)  
Automotive Service Management Specialist (Cert.)  
Automotive Services Technology (Cert.)  
Automotive Transmission Specialist (Cert.)

### Business

Management (A.A.S.)  
Accounting (Cert.)  
Bookkeeping (Cert.)  
Business Essentials (Cert.)

### Computer Aided Design (CAD)

CAD/Mechanical Design Technology (A.A.S.)  
CAD/Mechanical Design Technology (Cert.)  
CAD Drafter (Cert.)  
CAD Technician (Cert.)

### Computer Electronics

Computer Electronics Technology (A.A.S.)  
Computer Electronics Technology (Cert.)

### Criminal Justice

Criminal Justice Services (A.A.S.)  
Criminal Justice Services (Cert.)

### Early Childhood

Child and Family Studies (A.A.S.)  
Child Care Teacher (Cert.)  
Early Childhood Education Center Director (Cert.)  
Early Childhood Teacher Basic (Cert.)

### Education–Paraprofessional

Paraprofessional Educator (A.A.S.)  
Paraprofessional Educator (Cert.)

### Emergency Services

Paramedicine (A.A.S.)  
Emergency Medical Technician (Cert.)  
First Responder (Cert.)

### Fire Science

Fire Science Technology (A.A.S.)  
Fire Science Technology (Cert.)  
Basic Firefighter Operations (Cert.)  
Firefighter III (Cert.)  
Firefighter/EMT (Cert.)

### Fitness

Fitness and Exercise (A.A.S.)  
Group Fitness Instructor (Cert.)  
Personal Trainer (Cert.)

### Graphic Communications

Multimedia Arts (A.A.S.)  
Animation (Cert.)  
Digital Design (Cert.)  
Web Designer (Cert.)

### Health Professions

Dental Hygiene (A.A.S.)  
Nursing (A.A.S.)  
Advanced Bedside Care Provider (Cert.)  
CNA/Nurse Assistant (Cert.)  
RN First Surgical Assistant (Cert.)  
Surgical Technology (Cert.)

### Industrial Technology

CNC Programmer/Operator (Cert.)  
Heating, Ventilation, A/C & Refrigeration (Cert.)  
Industrial Electrician (A.A.S.)  
Industrial Electrician (Cert.)  
Industrial Maintenance Technician (Cert.)  
Machinist (Cert.)  
Manufacturing Technology (A.A.S.)  
Manufacturing Technology (Cert.)  
Industrial Mechanic (Cert.)  
Tool & Die Making (A.A.S.)  
Welder Technician (Cert.)  
Welding Specialist (Cert.)

### Information Technology

Information Technology (A.A.S.)  
Computer Repair Specialist (Cert.)  
Desktop Publishing (Cert.)  
Digital Mass Communication (Cert.)  
E-Commerce (Cert.)  
Game Design and Development (Cert.)  
Network Security Specialist (Cert.)  
Networking Specialist (Cert.)  
Office Productivity Specialist (Cert.)  
Office Specialist (Cert.)  
Programming (Cert.)  
Software Technician (Cert.)  
Software User (Cert.)  
Web Developer (Cert.)  
Web Technician (Cert.)  
Webmaster (Cert.)

### Music

Music Production (A.A.S.)  
Music Technology (Cert.)

### Personal Trainer

(see Fitness)

### Photography

Photographic Studies (A.A.S.)  
Photography (Cert.)  
Portrait Photography (Cert.)

## Automotive Technology

Automotive Technology (A.A.S.)  
 Automotive Alignment Specialist  
 Automotive Brake Specialist  
 Automotive Drivability Specialist  
 Automotive Engines Specialist  
 Automotive Heating/Air Conditioning Specialist  
 Automotive Parts Specialist  
 Automotive Service Management Specialist  
 Automotive Services Technology  
 Automotive Transmission Specialist

Our Automotive Technology program is certified by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE). Certification was awarded in automatic transmission and transaxles, brakes, electrical/electronic systems, engine performance, engine repair, heating and air conditioning, manual drive train and axles, and suspension.

## Automotive Technology

### A.A.S. Degree

This program provides the balance of theory and practical knowledge necessary for students preparing for careers in the automotive technology industry. Service technicians are trained to maintain and repair cars, vans, small trucks, and other vehicles. Using both hand tools and specialized diagnostic test equipment, they learn to pinpoint problems and make necessary repairs or adjustments. In addition to performing complex and difficult repairs, technicians handle a number of routine maintenance procedures such as oil changes, tire rotation and battery replacement. Technicians also interact with customers to explain repair procedures and discuss maintenance needs.

### I. General Education Core (19-20)

#### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C or better (3)

COMM 101 Principles of Communication (3)

#### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B on pages 50-52 (3)

#### Area C: Mathematics (4 credits)

TECH 109 Technical Mathematics I (4)

#### Area D: Physical and Life Sciences (3-4 credits)

Select one course from Area D (3-4)

#### Area E: Social and Behavioral Sciences (3 credits)

Select one course from Area E (3)

## II. Area of Concentration/Program Requirements (47)

AUTO 101	Basic Automobile Service and Systems (3)
AUTO 102	Automotive Engines (4)
AUTO 107	Automotive Electricity/Electronics I (4)
AUTO 108	Suspension and Steering Systems (4)
AUTO 202	Automotive Brake Systems (4)
AUTO 205	Manual Transmissions and Transaxles (4)
AUTO 206	Automotive Engine Performance (4)
AUTO 207	Automotive Heating/Air-Conditioning (4)
AUTO 208	Automotive Transmissions/Transaxles (4)
AUTO 210	Automotive Electricity/Electronics II (4)
AUTO 211	Automotive Engine Performance II (4)
AUTO 215	Advanced Automotive Service and Systems (4)

**Program Total: 66-67 credits**

## Automotive Alignment Specialist Certificate

This short-term program trains students to function as front end mechanics. Students learn to align and balance wheels, as well as repair steering mechanisms and suspension systems.

### Program Requirements

AUTO 101	Basic Automobile Service and Systems (3)
AUTO 108	Steering and Suspension Systems (4)

**Program Total: 7 credits**

## Automotive Brake Specialist Certificate

Students in this program are trained to work on drum and disk braking systems, parking brakes and their hydraulic systems. Students learn to inspect, adjust, remove, repair and reinstall brake shoes, disk pads, drums, rotors, wheel and master cylinders, and hydraulic fluid lines.

### Program Requirements

AMATH 100	Basic Mathematics for the Skilled Trades (2)
AUTO 101	Basic Automobile Service and Systems (3)
AUTO 107	Automotive Electricity/Electronics I (4)
AUTO 202	Automotive Brake Systems (4)

**Program Total: 13 credits**

## Automotive Drivability Specialist

### Certificate

This short-term program trains students to diagnose Drivability problems. Students learn the basics of the engine, engine performance, how the electronics work, as well as the computer system functions of the vehicle. Students are taught to adjust the ignition timing and valves, and adjust or replace spark plugs or other parts to ensure efficient engine performance. Electronic test equipment is used to adjust and locate malfunctions in fuel, ignition, and emissions control systems.

### Program Requirements

AUTO 101	Basic Automobile Service and Systems (3)
AUTO 102	Automotive Engines (4)
AUTO 107	Automotive Electricity/Electronics I (4)
AUTO 206	Automotive Engine Performance (4)
AUTO 211	Automotive Engine Performance II (4)

**Program Total: 19 credits**

## Automotive Engines Specialist

### Certificate

This short-term program trains the student to function as an engine mechanic. Students learn to overhaul engines, as well as service the electrical needs of the engine.

### Program Requirements

AMATH 100	Basic Mathematics for the Skilled Trades (2)
AUTO 101	Basic Automobile Service and Systems (3)
AUTO 102	Automotive Engines (4)
AUTO 107	Automotive Electricity/Electronics I (4)

**Program Total: 13 credits**

## Automotive Heating/ Air Conditioning Specialist

### Certificate

This short-term program prepares technicians to install and repair air-conditioners as well as service components such as compressors and condensers.

### Program Requirements

AMATH 100	Basic Mathematics for the Skilled Trades (2)
AUTO 101	Basic Automobile Service and Systems (3)
AUTO 107	Automotive Electricity/Electronics I (4)
AUTO 207	Automotive Heating/Air Conditioning (4)

**Program Total: 13 credits**

## Automotive Parts Specialist

### Certificate

This short-term program trains the student for positions in parts management. Students learn the parts management system as well as basic business management techniques and introductory computer skills.

### Program Requirements

AMATH 100	Basic Mathematics for the Skilled Trades (2)
AUTO 101	Basic Automobile Service and Systems (3)
AUTO 223	Automotive Parts Management (2)
ITAPP 101	Introduction to Computers (3)
Business Elective: Select one course from BUS 107, 127, 170, or 241 (3)	

**Program Total: 13 credits**

## Automotive Service Management Specialist

### Certificate

Service management specialists are the link between the customers seeking repair or maintenance for their vehicles and the technicians who perform the work. Students are trained to write repair orders, inspect vehicles to determine work that needs to be done, determine costs of the work, and prepare itemized estimates. In addition, students learn basic computer skills and basic business management skills. After gaining experience in entry-level positions, successful students can go on to the management/supervisory levels in auto shops.

### Program Requirements

AUTO 101	Basic Automobile Service and Systems (3)
AUTO 224	Automotive Services Management (2)
BUS 103	Business Mathematics (3)
BUS 127	Business Communications (3)
ITAPP 101	Introduction to Computers (3)
Business Elective: Select from BUS 105, 107, 109, 170, 241, 242 (3)	

**Program Total: 17 credits**

## Automotive Services Technology

### **Certificate**

This program prepares students for employment in automotive servicing and repair, engine testing, automotive field services, and automotive parts and shop management.

### **Program Requirements**

AUTO 101	Basic Automobile Service and Systems (3)
AUTO 102	Automotive Engines (4)
AUTO 107	Automotive Electricity/Electronics I (4)
AUTO 108	Suspension and Steering Systems (4)
AUTO 202	Automotive Brake Systems (4)
AUTO 205	Manual Transmissions and Transaxles (4)
AUTO 206	Automotive Engine Performance (4)
AUTO 207	Automotive Heating/Air Conditioning (4)
AUTO 208	Automatic Transmissions and Transaxles (4)
AUTO 210	Automotive Electricity/Electronics II (4)
AUTO 211	Automotive Engine Performance II (4)
AUTO 215	Advanced Automotive Service and Systems (4)

**Program Total: 47 credits**

## Automotive Transmission Specialist

### **Certificate**

This short-term program trains mechanics to work on gear trains, couplings, hydraulic pumps, and other parts of automotive transmissions. Because these are complex mechanisms and include electronic parts, their repair requires considerable experience and training, including a knowledge of hydraulics.

### **Program Requirements**

AUTO 101	Basic Automobile Service and Systems (3)
AUTO 102	Automotive Engines (4)
AUTO 205	Manual Transmissions and Transaxles (4)
AUTO 208	Automatic Transmissions/Transaxles (4)

**Program Total: 15 credits**



## Business

Management (A.A.S.)  
Accounting  
Bookkeeping  
Business Essentials

## Management

### A.A.S. Degree

This program is designed for working adults who wish to develop or enhance skills for positions of greater responsibility. The program draws from business, finance, and economics to give prospective supervisors and managers guidelines for directing the work of others in a business environment and institutional organizations.

### I. General Education Core (18-19)

#### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C or better (3)  
COMM 101 Principles of Communications (3)

#### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

#### Area C: Mathematics (3 credits)

MATH 112 General Education Mathematics (3)

#### Area D: Physical and Life Sciences (3-4 credits)

Select one course from Area D (3-4)

#### Area E: Social and Behavioral Science (3 credits)

ECON 201 Macroeconomic Principles (3)

### II. Area of Concentration/Program Requirements (40)

BUS 101 Introduction to Modern Business (3)  
BUS 105 Human Relations (3)  
BUS 127 Business Communications (3)  
BUS 131 Financial Accounting (4)  
BUS 132 Managerial Accounting (3)  
BUS 165 Personal Asset Management (3)  
BUS 201 Business Law (3)  
BUS 241 Principles of Management (3)  
BUS 242 Human Resources Management (3)  
BUS 251 Principles of Marketing (3)  
BUS 261 Advertising (3)  
ECON 202 Microeconomic Principles (3)  
ITAPP 101 Introduction to Computers (3)

### III. Electives (3-4)

Minimum of 3 credit hours required (3-4).

Choose one of the following courses:

BUS 103 Business Math (3)  
BUS 120 Sales (3)  
BUS 170 Small Business Management (3);  
or take **both**:  
BUS 298 Seminar (1) **and**  
BUS 299 Internship (3)

**Program Total: 61-63 credits**

## Accounting

### Certificate

This certificate program prepares students for entry-level employment as an accounting assistant, junior accountant, junior auditor, head or full-charge bookkeeper, or junior analyst. This program is not designed for students who plan to become professional accountants and CPAs. Students interested in these careers should follow the Associate in Arts degree program for pre-Business majors.

### Program Requirements

BUS 101 Introduction to Modern Business (3)  
BUS 103 Business Mathematics (3)  
BUS 107 Bookkeeping and Procedural Accounting (3)  
BUS 127 Business Communications (3)  
BUS 131 Financial Accounting (4)  
BUS 132 Managerial Accounting (3)  
BUS 138 Accounting Software I (1.5)  
BUS 139 Accounting Software II (1.5)  
BUS 201 Business Law (3)  
ECON 201 Macroeconomic Principles (3)  
ITAPP 125 Spreadsheet Applications - Level 1 (3)  
ITAPP 126 Spreadsheet Applications - Level 2 (3)

**Program Total: 34 credits**

## Bookkeeping

### Certificate

This career certificate program is designed for individuals interested in pursuing careers as bookkeepers, accounts receivable or payable clerks, or payroll clerks. This program is not designed for students who plan to become professional accountants and CPAs. Students interested in these careers should follow the Associate in Arts Degree program for Pre-Business Majors.

### Program Requirements

BUS 101 Introduction to Modern Business (3)  
BUS 103 Business Mathematics (3)  
BUS 107 Bookkeeping and Procedural Accounting (3)  
BUS 138 Accounting Software I (1.5)  
BUS 139 Accounting Software II (1.5)  
ITAPP 101 Introduction to Computers (3)

**Program Total: 15 credits**

## Business Essentials

### Certificate

This certificate provides students with basic knowledge of business practices for entry-level employment.

### Program Requirements

BUS 101 Introduction to Modern Business (3)  
BUS 107 Bookkeeping and Procedural Accounting (3)  
BUS 127 Business Communications (3)  
BUS 241 Principles of Management (3)

**Program Total: 12 credits**

## Computer Aided Design (CAD)

CAD/Mechanical Design Technology (A.A.S.)

CAD Drafter

CAD/Mechanical Design Technology

CAD Technician

## CAD/Mechanical Design Technology

### A.A.S. Degree

This program prepares students for careers as drafters, mechanical designers, and CAD technicians. Areas of potential employment include drafter, dealer, layout designer, design technician, CAD operator, and CAD technician. The courses emphasize basic drafting and drawing skills, design and analysis of mechanisms and mechanical parts, and the use of CAD systems to draw, design, and analyze mechanical devices.

### I. General Education Core (20)

#### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C or better (3)

COMM 101 Principles of Communication (3)

#### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

#### Area C: Mathematics (4 credits)

TECH 109 Technical Mathematics I (4)

#### Area D: Physical and Life Sciences (4 credits)

PHYSI 120 College Physics I (4)

#### Area E: Social and Behavioral Sciences (3 credits)

Select one course from Area E (3)

### II. Area of Concentration/Program Requirements (41)

CADMD 141 Technical Drafting I (3)

CADMD 201 Mechanical Layout and Design I (3)

CADMD 203 Statics and Strength of Materials (4)

CADMD 243 Introduction to Auto-CAD (3)

CADMD 244 Intermediate Auto-CAD (3)

CADMD 245 Computer Aided Design (3)

MT 101 Manufacturing Basics—Measurement, Materials, and Safety (4)

MT 102 Manufacturing Job Planning, Benchwork, and Layout (4)

MT 210 CNC Programming I (3)

MT 211 CNC Programming II (3)

MATH 151 College Algebra (4)

PHYSI 130 College Physics II (4)

### III. Electives (2)

Select from CADMD 246, 247

**Program Total: 63 credits**

## CAD Drafter

### Certificate

This program is designed to prepare students for employment as entry-level CAD Drafters. Students will learn the skills and knowledge necessary to produce drawings, diagrams, charts, etc., using the Auto-CAD software. Hands-on experiences will include CAD system operation, drawing set-up, original drawings, copy, and modification of existing drawings and plotting.

### Program Requirements

CADMD 141 Technical Drafting I (3)

CADMD 243 Introduction to Auto-CAD (3)

CADMD 244 Intermediate Auto-CAD (3)

TECH 109 Technical Mathematics I (4)

**Program Total: 13 credits**

## CAD/Mechanical Design Technology

### Certificate

This certificate program prepares students for entry-level positions in mechanical drafting and CAD. The skills developed will enable the student to work as a drafter, dealer, technical illustrator, and CAD operator.

### Program Requirements

CADMD 141 Technical Drafting I (3)

CADMD 201 Mechanical Layout and Design I (3)

CADMD 203 Statics and Strength of Materials (4)

CADMD 243 Introduction to Auto-CAD (3)

CADMD 244 Intermediate Auto-CAD (3)

CADMD 245 Computer Aided Design (3)

CADMD 246 Architectural Desktop (2)

MT 101 Manufacturing Basics—Measurement, Materials, and Safety (4)

TECH 109 Technical Mathematics I (4)

**Program Total: 29 credits**

## CAD Technician

### Certificate

This program is designed to prepare students for a career as a CAD Technician and Designer. It provides a concentrated exposure in computer-aided drafting and design. This program is especially suitable for those currently employed in the field of mechanical design to update their design skills in the context of CAD systems. Persons seeking positions such as checker, layout designer, specifications writer, mechanical design technician, and CAD technician or designer will benefit from this program.

### Program Requirements

CADMD 141 Technical Drafting I (3)

CADMD 201 Mechanical Layout and Design I (3)

CADMD 243 Introduction to Auto-CAD (3)

CADMD 244 Intermediate Auto-CAD (3)

CADMD 245 Computer-Aided Design (3)

TECH 109 Technical Mathematics I (4)

**Program Total: 19 credits**

## Computer Electronics

Computer Electronics Technology (A.A.S.)  
Computer Electronics Technology

## Computer Electronics Technology

### A.A.S. Degree

This program prepares students to work with the electronics components of computers and related equipment.

### I. General Education Core (19-21)

#### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C or better (3)

COMM 101 Principles of Communication (3)

#### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

#### Area C: Mathematics (3-4 credits)

Options are to take **both**:

AMATH 101 Algebra for the Skilled Trades (2) **and**

AMATH 106 Applied Trigonometry for the Skilled Trades (2);

**or** choose from **one** of the following courses:

IT 106 Mathematics for Computers (3)

MATH 151 College Algebra (4)

TECH 109 Technical Mathematics I (4)

#### Area D: Physical and Life Sciences (4-5 credits)

Select from the following courses:

CHEM 105, 110; PHYSYC 111; PHYSI 101, 120, 210 (4-5)

#### Area E: Social and Behavioral Sciences (3 credits)

Select one course from Area E (3)

### II. Area of Concentration/Program Requirements (33)

COL 101 First Year Seminar (1)

COL 102 Career Development Seminar (1)

ELECT 101 Fundamentals of Electricity I (2)

ELECT 102 Fundamentals of Electricity II (2)

ELECT 103 Alternating Current (2)

ELECT 111 Electronic Principles I (2)

ELECT 112 Electronic Principles II (2)

ELECT 120 Electrical Safety (2)

ELECT 201 Digital Fundamentals I (2)

ELECT 202 Digital Fundamentals II (2)

ELECT 203 Industrial Electronics I (2)

ELECT 204 Industrial Electronics II (2)

ELECT 208 Programmable Logic Controllers I (2)

ELECT 209 Programmable Logic Controllers II (2)

IT 140 Introduction to Operating Systems (3)

ITNET 160 Computer Repair (4)

### III. Electives (10)

Select from the following courses: (11)

ELECT 108, 109, 290; ITAPP 101; ITPRG 103, 144, 147; ITWEB 101

**Program Total: 62-64 credits**

## Computer Electronics Technology

### Certificate

This program provides the electronics foundation for servicing computers and related electronics equipment.

### Program Requirements

COL 101 First Year Seminar (1)

COL 102 Career Development Seminar (1)

ELECT 101 Fundamentals of Electricity I (2)

ELECT 102 Fundamentals of Electricity II (2)

ELECT 103 Alternating Current (2)

ELECT 111 Electronic Principles I (2)

ELECT 112 Electronic Principles II (2)

ELECT 120 Electrical Safety (2)

ELECT 201 Digital Fundamentals I (2)

ELECT 202 Digital Fundamentals II (2)

IT 140 Introduction to Operating Systems (3)

ITNET 160 Computer Repair (4)

Minimum of 3 credit hours in mathematics required (3-4).

Options are to take **both**:

AMATH 101 Algebra for the Skilled Trades (2) **and**

AMATH 106 Applied Trigonometry for the Skilled Trades (2);

**or** choose from **one** of the following courses:

IT 106 Mathematics for Computers (3)

MATH 151 College Algebra (4)

TECH 109 Technical Mathematics I (4)

Select 9 credit hours from the following courses:

ELECT 108, 109, 203, 204, 290; ITAPP 101; ITPRG 103, 144, 147;

ITWEB 101

**Program Total: 37-38 credits**

## Criminal Justice

Criminal Justice Services (A.A.S.)

Criminal Justice Services

### Criminal Justice Services

#### A.A.S. Degree

This program provides a foundation in criminal justice for individuals planning careers in the fields of law enforcement, corrections, probation, parole, or private security. The core criminal justice classes focus on the major components and operations of our system of justice at the local, county, state, and federal levels. Students study criminal law and procedure, corrections, and the courts. They also review the administration, organization, and processes of the overall criminal justice system. Proficiency credits are available for actively working full-time police officers (and corrections officers) who are certified by the Illinois Law Enforcement Training and Standards Board as a Law Enforcement Officer or Corrections Officer. These officers must have completed the Approved Basic Law Enforcement (or Corrections) Officer Training Academies (400 or 480 hours) and have one year or more of full-time experience as a police (or corrections) officer, and they must have completed their probationary period.

#### I. General Education Core (18-19)

##### Area A: Communication (9 credits)

ENG 101 Composition I - with a grade of C or better (3)

ENG 102 Composition II - with a grade of C or better (3)

COMM 101 Principles of Communication (3)

##### Area B: Humanities and Fine Arts (3 credits)

Select one course from the list for Area B (3)

##### Area C: Mathematics (demonstrated competence required)

Placement into MATH 095 or completion of MATH 090 - with a grade of C or better

##### Area D: Physical And Life Sciences (3-4 credits)

One course from the list for Area D

##### Area E: Social and Behavioral Sciences (3 credits)

POLSC 140 Introduction to U.S. Government & Politics (3) *required*

#### II. Area of Concentration/Program Requirements (42)

CJ 101 Introduction to Criminal Justice (3)  
 CJ 102 Introduction to Criminology (3)  
 CJ 103 Law Enforcement Organization and Administration (3)  
 CJ 106 Introduction to Corrections (3)  
 CJ 110 Community Based Policing (3)  
 CJ 120 Introduction to Homeland Security (3)  
 CJ 201 Introduction to Criminal Law (3)  
 CJ 203 Principles of Criminal Investigation (3)  
 CJ 204 Juvenile Justice (3)  
 CJ 207 Street Law: Understanding Law and Legal Issues (3)  
 CJ 208 Principles of Criminalities (3)  
 CJ 270 Computer Forensics (3)  
 ITAPP 101 Introduction to Computers (3)

Select one course from:

CJ 299 Criminal Justice Internship (3)

PSYCH 101 Introduction to Psychology (3)

SOCIO 101 Introduction to Sociology (3)

**Program Total: 60-61 credits**

## Criminal Justice Services

### Certificate

This program is designed for part-time students already employed in the fields of law enforcement, corrections and private security. The curriculum prepares students to advance their careers as public police officers and investigators, correctional officers, 911 telecommunications, or private security officers and investigators.

#### Program Requirements

CJ 101 Introduction to Criminal Justice (3)  
 CJ 102 Introduction to Criminology (3)  
 CJ 103 Law Enforcement Organization and Administration (3)  
 CJ 120 Introduction to Homeland Security (3)  
 CJ 201 Introduction to Criminal Law (3)  
 CJ 204 Juvenile Justice (3)  
 ENG 101 Composition I (3)  
 ITAPP 101 Introduction to Computers (3)  
 Select from CJ 106, 110, 203, 207, 270 (6)

**Program Total: 30 credits**

## Early Childhood

Child and Family Studies (A.A.S.)  
 Child Care Teacher  
 Early Childhood Education Center Director  
 Early Childhood Teacher Basic

## Child and Family Studies

### A.A.S. Degree

The Child and Family Studies Associate in Applied Science degree program is designed for individuals who want to work directly with young children and their families in early care and education programs, human service organizations, or professional development services. The program provides both theoretical knowledge and practical skills.

As an Illinois Gateways to Opportunity entitled institution, completion of course requirements for the A.A.S. degree can lead to an Illinois Early Childhood Teacher Credential 2, 3, or 4. Students who pursue an Illinois Infant-Toddler Teacher Credential I or an Illinois Director Credential I can complete the requirements for those credentials through Early Childhood Education elective choices. Students should seek more information from the Early Childhood Education/Child and Family Studies Coordinator.

*Please note: Students interested in teaching in the elementary schools in Illinois should enroll in the Associate in Arts Degree in pre-elementary or pre-early childhood education. Consult a counselor or advisor for further information. Students interested in pursuing the Level I Illinois Director Credential from the Illinois Network of Child Care Resource and Referral Agencies (INCCRA) have up to two years following graduation to document 1200 hours of early childhood/school age management experience. Either while earning their A.A.S. degree or following its completion, students must demonstrate that they have made contributions to the profession in one of the areas described in the program brochure.*

### I. General Education Core (19)

#### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C or better (3)

COMM 101 Principles of Communication (3)

#### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

#### Area C: Mathematics (3 credits)

MATH 111 Mathematics for Paraprofessionals (3)

or

MATH 112 General Education Mathematics (3)

or

MATH 115 General Education Statistics (3)

#### Area D: Physical and Life Sciences (4 credits)

Select one laboratory science course from the courses for Area D (4)

#### Area E: Social and Behavioral Science (3 credits)

PSYCH 101 Introduction to Psychology (3)

### Program Requirements (42)

ECED 103	Health, Safety, and Nutrition (3)
ECED 104	Introduction to Early Childhood Education (3)
ECED 115	Observation and Assessment of Young Children (3)
ECED 120	Child, Family, and Community (3)
ECED 130	Guidance and Classroom Management (3)
ECED 205	Language Arts for Children (3)
ECED 213	Multicultural Education (3)
ECED 251	Curriculum Design for Early Childhood Programs (3)
ECED 299	Early Childhood Education Internship (3)
ED 101	Child Growth and Development (3)
ED 212	Exceptional Child (3)
ED 220	Children's Literature (3)

Select 6 credit hours from the following courses after consultation with program coordinator:

ECED 105	Creative Activities for Children (3)
ECED 108	Science and Math for the Young Child (3)
ECED 110	Care and Education: Infants, Toddlers, 2-year olds (3)
ECED 150	Introduction to Early Childhood Administration – Legal Requirements (1)
ECED 151	Introduction to Early Childhood Administration – Program Operations (1)
ECED 152	Introduction to Early Childhood Administration – Facilities Management (1)
ECED 217	Administration of Early Childhood Education Centers – Personnel, Families and Children (3)
ECED 218	Administration of Early Childhood Education Centers – Practices and Procedures (3)
ECED 219	Applied Early Childhood Center Administration (3)
ECED 298	Administration of an Early Childhood Center Internship (3)

### Program Total: 61 credits

\*\* Note: Students who plan to continue studies beyond the A.A.S. degree should substitute MATH 112 or 115 for MATH 111.

## Child Care Teacher

### Certificate

This program teaches the practical skills necessary to provide direct care to young children in day care and preschool centers, home day care sites, and community-based centers. Students are prepared for employment as teachers and child care assistants, and other entry-level positions in the child care field.

*Because Prairie State College is an entitled institution, these courses can be used to meet Illinois Gateways Early Childhood Teacher credentials.*

*(According to the Department of Children and Family Service regulations, child care workers in Illinois must be at least 19 years of age and have a high school diploma or GED equivalency certificate).*

### Program Requirements

ECED 103	Health, Safety, and Nutrition (3)
ECED 104	Introduction to Early Childhood Education (3)
ECED 115	Observation and Assessment of Young Children (3)
ECED 120	Child, Family, and Community (3)
ECED 130	Guidance and Classroom Management (3)
ECED 205	Language Arts for Children (3)
ECED 251	Curriculum Design for Early Childhood Programs (3)
ECED 299	Early Childhood Education Internship (3)
ED 101	Child Growth and Development (3)
ED 212	Exceptional Child (3)
ENG 101	Composition I (3)
MATH 111	Math for Paraprofessionals (3)

or

MATH 112	General Education Mathematics (3)
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or

MATH 115	General Education Statistics (3)
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*Note: Students seeking a Level 2 credential should substitute MATH 112 or MATH 115 for MATH 111.*

**Program Total: 36 credits**

## Early Childhood Education Center Director

### Certificate

This program prepares students to meet Illinois Department of Children and Family Services requirements to be an Early Childhood Education Center Director. Students must also have completed two years of college credit. Since PSC is an entitled institution, these courses can be used to meet Illinois Gateways Director Credential I requirements.

### Program Requirements

ECED 103	Health, Safety, and Nutrition (3)
ECED 104	Introduction to Early Childhood Education (3)
ECED 120	Child, Family, and Community (3)
ECED 130	Guidance and Classroom Management (3)
ECED 213	Multicultural Education (3)
ECED 217	Administration of Early Childhood Education Centers – Personnel, Families and Children (3)
ECED 218	Administration of Early Childhood Education Centers – Practice and Procedures (3)
ECED 251	Curriculum Design for Early Childhood Programs (3)
ED 101	Child Growth and Development (3)
Choose 3 credits from the following, based on recommendation of the program coordinator:	
ECED 150	Introduction to Early Childhood Administration – Legal Requirements (1)
ECED 151	Introduction to Early Childhood Administration – Program Operations (1)
ECED 152	Introduction to Early Childhood Administration – Facilities Management (1)
ECED 219	Applied Early Childhood Center Administration (3)
ECED 298	Administration of an Early Childhood Center Internship (3)

**Program Total: 30 credits**

## Early Childhood Teacher Basic

### Certificate

This program prepares students to meet basic requirements for day care teacher approval. DCFS requires two years of college credit in any area including at least 6 hours in Early Childhood Education. Students completing this work are eligible for entry-level teaching in early childhood programs.

### Program Requirements

ECED 104	Introduction to Early Childhood Education (3)
ED 101	Child Growth and Development (3)

**Program Total: 6 credits**

## Education – Paraprofessional

Paraprofessional Educator (A.A.S.)  
Paraprofessional Educator

### Paraprofessional Educator

#### A.A.S. Degree

The Paraprofessional Educator Associate in Applied Science Degree program is designed to prepare students to assist teachers in a variety of classroom settings, and to meet the standards for paraprofessional educators developed in response to the federal No Child Left Behind Act (NCLB). This curriculum is based on professional standards developed by the American Federation of Teachers, as well as the Paraprofessional Task Force convened by the Illinois State Board of Education (ISBE) and the Illinois Community College Board (ICCB).

Please note: This program is not for students planning to become regularly certified professional teachers in Illinois public schools. Consult an advisor for more information.

#### I. General Education Core (22)

##### Area A: Communication (9 credits)

ENG 101 Composition I - *with a grade of C or better* (3)  
ENG 102 Composition II - *with a grade of C or better* (3)  
COMM 101 Principles of Communication (3)

##### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B

Strongly recommended courses include ART 131; ENG 215; HUMAN 101

##### Area C: Mathematics (demonstrated competence required)

##### Area D: Physical and Life Sciences (4 credits)

Select one IAI approved laboratory science course from the courses for Area D (4)

##### Area E: Social and Behavioral Science (6 credits)

PSYCH 101 Introduction to Psychology (3) *required*

Select one additional course from Area E (3)

Strongly recommended courses include ANTHR 222; HIST 112, 115, 116, 140, 201, 202; POLSC 140; SOCIO 220

#### II. Program Requirements (28)

ECED 103 Health, Safety, and Nutrition (3)  
ED 100 Foundations of American Public Education (3)  
ED 101 Child Growth and Development (3)  
ED 160 Technology for Teachers (3)  
ED 212 Exceptional Child (3)  
ED 220 Children's Literature (3)  
EDU 111 Mathematics for Paraprofessionals (3)  
EDU 221 Clinical Experience (3)

*Note: Students already working as aides should arrange for proficiency credit for EDU 221*

Select one cultural awareness course from the following:

EDU 213 Multicultural Education (3)

or

EDU 120 Child, Family, and Community (3)

Select one teaching strategies course from the following:

ECED 105 Creative Activities for Children (3)

EDU 205 Language Arts for Children (3)

#### III. Electives (12)

Select 12 credit hours from the following courses:

CJ 204 Juvenile Justice (3)  
ECED 104 Introduction to Early Childhood Education (3)  
EDU 130 Guidance and Classroom Management (3)  
EDU 213 Multicultural Education (3)

or

EDU 120 Child, Family, and Community (3)  
PSYCH 202 Educational Psychology (3)  
PSYCH 203 Abnormal Psychology (3)  
SOCIO 210 Marriage & the Family (3)

Any Social/Behavioral Science course (non-Western or diversity emphasis) listed at the front of this section. (3)

Any of the following courses required for elementary teacher certification:

HIST 201 U.S. History: 1492 to 1877 (3)  
HIST 202 U.S. History: 1877 to Present (3)  
POLSC 140 Introduction to U.S. Government & Politics (3)

Other identified courses related to content specialization. Consult with program coordinator.

**Program Total: 62 credits**

### Paraprofessional Educator Certificate

The Paraprofessional Educator Certificate program provides a foundation of important skills and standards that prepare paraprofessionals to work in non-Title I programs. Professional Education core requirements are combined with general education and special emphasis electives. Paraprofessionals who possess college credits that, when combined with this certificate total 60 credit hours, meet requirements of NCLB and are eligible to work in Title I positions.

#### Program Requirements

ENG 101 Composition I - *with a grade of C or better* (3)  
ED 100 Foundations of American Public Education (3)  
COMM 101 Principles of Communication (3)

*Note: ENG 101 should be taken prior to or concurrently with ED 100. These two courses and COMM 101 should be completed prior to enrollment in remaining courses.*

ECED 103 Health, Safety, and Nutrition (3)  
ED 101 Child Growth, and Development (3)  
ED 160 Technology for Teachers (3)  
ED 212 Exceptional Child (3)  
ED 220 Children's Literature (3)  
EDU 111 Mathematics for Paraprofessionals (3)  
SOCIO 101 Introduction to Sociology (3)

or

SOCIO 210 Marriage and the Family (3)

Select one of the following courses:

CJ 204; ECED 104; HUMAN 101; PSYCH 202; SOCIO 101, 210 (3)

**Program Total: 33 credits**

## Emergency Services

Paramedicine (A.A.S.)  
Emergency Medical Technician  
Firefighter/EMT  
First Responder

### Paramedicine

#### A.A.S. Degree

This program prepares men and women for careers as advanced pre-hospital care providers, trained to administer care to clients who have experienced acute medical or trauma emergencies. As skilled health care providers, paramedics function independently in the field or under the guidance of standing medical orders. The program provides a combination of general education courses, core courses in paramedicine, and selected clinical and field experiences in hospitals and EMS departments. Upon successful completion, students will be eligible to write the National Registry licensing examination. No student will be permitted to write the licensing exam prior to completion of the Associate in Applied Science degree.

Prior to admission to the Paramedicine program, students must submit a Paramedicine Intent Form. The deadline for the intent form is June 1 of each year. To be eligible to enroll in the core paramedicine courses, students must have successfully completed the EMT-B course, passed the state licensing exam, presented documentation of a minimum of six months of field experience as an EMT-B and be "in good standing" with required continuing education credits. Students must also complete HLTH 105 General Medical Terminology, BIOL 221 Anatomy and Physiology I, and BIOL 222 Anatomy and Physiology II, all with a grade of C or better, before being eligible to enroll in EMS 200- level courses.

#### General Education Core (20)

##### Area A: Communication (6 credits)

ENG 101 Composition I - *with a grade of C or better* (3)  
COMM 101 Principles of Communication (3)

##### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B.

##### Area C: Mathematics (demonstrated competence required)

Placement into MATH 095 or completion of MATH 090 with a grade of C or better.

##### Area D: Physical and Life Sciences (8 credits)

BIOL 221 Anatomy and Physiology I - *with a grade of C or better* (4)  
BIOL 222 Anatomy and Physiology II - *with a grade of C or better* (4)

##### Area E: Social and Behavioral Sciences (3 credits)

PSYCH 101 Introduction to Psychology (3)

## II. Area of Concentration/Program Requirements (42)

EMS 101	Emergency Medical Technician (7)
HLTH 105	General Medical Terminology - <i>with a grade of C or better</i> (1)
EMS 200	Paramedicine I (12)
EMS 205	Paramedicine: Field Practicum I (2)
EMS 210	Paramedicine: Hospital Practicum (2)
EMS 215	Paramedicine: Seminar I (1)
EMS 220	Paramedicine II (12)
EMS 225	Paramedicine: Field Practicum II (2)
EMS 230	Paramedicine: Leadership Practicum (2)
EMS 235	Paramedicine: Seminar II (1)

**Program Total: 62 credits**

## Emergency Medical Technician Certificate

The EMT program provides students with the knowledge and skill needed to handle the critically ill and injured in a pre-hospital care environment. Areas covered include cardiac arrests, fractures, injuries, and childbirth. Students are prepared for the certification exam, which requires them to be at least 18 years of age. Students may obtain an information packet about prerequisite physical examination and immunizations from the Nursing Department at Prairie State College prior to the start of the course. Students must score a 78 or better on the reading portion of the COMPASS Placement Test to enroll in the course.

#### Program Requirements

EMS 101 Emergency Medical Technician (7)

**Program Total: 7 credits**

## Firefighter/EMT

(See *Fire Science Technology*)

## First Responder

#### Certificate

This program trains citizens, fire fighters, police officers, and others to respond to emergency situations in the home, community, or workplace.

#### Program Requirements

FRESP 101 First Responder (3)

**Program Total: 3 credits**



## Fire Science

Fire Science Technology (A.A.S.)

Fire Science Technology

Basic Firefighter Operations

Firefighter III

Firefighter/EMT

## Fire Science Technology

### A.A.S. Degree

This curriculum prepares the student for employment as a volunteer, paid-on-call part-time, or full-time municipal firefighter.

### I. General Education Core (19)

#### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C or better (3)

COMM 101 Principles of Communication (3)

#### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B

#### Area C: Mathematics (3 credits)

MATH 112 General Education Mathematics (3)

or

MATH 115 General Education Statistics (3)

#### Area D: Physical and Life Sciences (4 credits)

Select one course from BIOL 100, 112; CHEM 105; PHYSC 111, 112; PHYSI 101

#### Area E: Social and Behavioral Sciences (3 credits)

PSYCH 101 Introduction to Psychology (3) *required*

### II. Program Requirements (37)

BUS 127 Business Communications (3)

FST 101 Introduction to Fire Science Technology (3)

FST 102 Fire Prevention Principles I (3)

FST 104 Fire Tactics and Strategy I (3)

FST 105 Construction and Fire Systems (3)

FST 106 Hazardous Materials Operations (3)

FST 119 Basic Firefighter Operations (7)

FST 202 Vehicle and Machinery Operations (3)

FST 204 Fire Tactics and Strategy II (3)

FST 210 Fire Apparatus Engineer (3)

FST 212 Fire Service - Instructor I (3)

### III. Electives (6)

Select from EMS 101; FST 120, 121, 201, 205, 207, 208, 209, 213, 218, 219; FRESP 101; PHOTO 171 (6)

**Program Total: 62 credits**

## Fire Science Technology

### Certificate

This curriculum prepares the student for employment as a volunteer, paid-on-call part-time or full-time firefighter.

### Program Requirements

FST 101 Introduction to Fire Technology (3)

FST 102 Fire Prevention Principles I (3)

FST 104 Fire Tactics & Strategy I (3)

FST 105 Construction & Fire Systems (3)

FST 207 Fire Department Management I (3)

FST 208 Fire Department Management II (3)

FST 210 Fire Apparatus Engineer (3)

FST 212 Fire Science Instructor I (3)

**Program Total: 24 credits**

## Basic Firefighter Operations

### Certificate

This program is designed for students seeking employment in fire service by preparing them for the State Firefighter II certification exam. Students receive training in areas that include fire behavior, safety, fire control, communication, hazardous materials, and fire prevention. Students demonstrate basic firefighter skills such as the use of ladders, hose, ropes, and breathing apparatus in a supervised setting.

*Students must document current affiliation with a fire department prior to admission to this program.*

### Program Requirements

FST 119 Basic Firefighter Operations (7)

**Program Total: 7 credits**

## Firefighter III

### Certificate

This program continues the study of fire department organization, fire behavior, safety issues and rescue techniques begun in Firefighter II. Students with valid Firefighter II certification prepare to sit for the State Fire Marshal Firefighter III and Rescue Awareness certificate exams.

### Program Requirements

FST 120 Firefighter III (6)

**Program Total: 6 credits**

## Firefighter/EMT

### **Certificate**

The Firefighter/EMT certificate will provide the beginning student in the emergency response occupations with fundamental skills in basic fire fighting techniques and emergency medical care. Both areas have independent certification exams that must be successfully completed to obtain employment in the field.

### **Program Requirements**

EMS 101      Emergency Medical Technician (7)  
FST 119      Firefighter II (7)

**Program Total: 14 credits**

## Fitness

Fitness and Exercise (A.A.S.)

Group Fitness Instructor

Personal Trainer

### Fitness and Exercise

#### A.A.S. Degree

Fitness and exercise students will be taught the skills to pursue professions in fitness/exercise. Students will acquire an academic foundation in the fundamentals, principles of exercise and nutrition, as well as an understanding of human anatomy and physiology. Skills will focus on the development of expertise in fitness assessment, creative health and fitness programming, biomechanically sound exercise techniques, training methodology, lifestyle change prescription, personalized exercise leadership, and business practices. Courses in English, math, communication, exercise physiology, special populations, and administration of an exercise facility will prepare the student to be a qualified fitness professional.

#### I. General Education Core (16)

##### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C or better (3)

COMM 101 Principles of Communication (3)

##### Area B: Humanities (3 credits)

Select one course from Area B on pages. (3)

##### Area C: Mathematics (demonstrated competence required)

Placement into MATH 095 or completion of MATH 090 - with a grade of C or better

##### Area D: Physical and Life Sciences (4 credits)

BIOL 111 Cellular and Molecular Biology (4) required

##### Area E: Social and Behavioral Sciences (3 credits)

PSYCH 101 Introduction to Psychology (3) required

#### II. Program Requirements (47)

BIOL 108 Essentials of Anatomy and Physiology (4)\*

*Note: Completion of BIOL 221 and 222, Anatomy and Physiology I and II with a grade of C or better will be accepted in place of BIOL 108.*

BUS 101 Introduction to Modern Business (3)

FRESP 101 First Responder (3)

HLTH 101 Health and Wellness (2)

PES 210 Lifestyle Fitness Coaching (2)

PES 215 Group Fitness Instructor Training (3)

PES 220 Fitness Assessment/Program Design (3)

PES 225 Weight Training: Theory and Application (2)

PES 230 Nutrition for Sports and Exercise (3)

PES 235 Athletic Training Techniques (3)

PES 250 Kinesiology (3)

PES 255 Special Populations (3)

PES 260 Fitness/Exercise Facility Management (3)

PES 265 Physiology of Exercise (3)

PES 298 Internship Seminar (1)

PES 299 Internship (3)

Choose one:

PSYCH 102 Human Growth and Development: Life Span (3) **or**

PSYCH 212 Theories of Personality (3)

#### III. Electives (2)

Select two credits from the following group exercise courses:

PE 105, 106, 107, 108 (1); PES 202 (2)

**Program Total: 65 credits**

## Group Fitness Instructor

### Certificate

Group Fitness Instructor prepares students to provide group instruction in fitness. Students acquire basic knowledge of anatomy and physiology and nutrition as it relates to weight management. They are trained in first aid, CPR, and AED, and learn to motivate students using a full range of instructional strategies.

#### Program Requirements

BIOL 108 Essentials of Anatomy & Physiology (4)

FRESP 101 First Responder (3)

PES 215 Group Fitness Instructor Training (3)

PES 230 Nutrition for Sports & Exercise (3)

Select one course from:

PE 105, 106, 107, or 108 Aerobics I-IV (1)

**Program Total: 14 credits**

## Personal Trainer

### Certificate

Personal Trainers will acquire an academic foundation in the fundamental principles of exercise and nutrition, and a basic understanding of human anatomy and physiology. Practical skill training will focus on the development of expertise in fitness assessment, creative health and fitness programming, biomechanically sound exercise techniques, training methodology, lifestyle change prescription, personalized exercise leadership, and business practices.

#### Program Requirements

BIOL 108 Essentials of Anatomy and Physiology (4)

BUS 101 Introduction to Modern Business (3)

FRESP 101 First Responder (3)

HLTH 101 Health and Wellness (2)

PES 210 Lifestyle Fitness Coaching (2)

PES 215 Group Fitness Instructor Training (3)

PES 220 Fitness Assessment/Program Design (3)

PES 225 Weight Training: Theory and Application (2)

PES 230 Nutrition for Sports and Exercise (3)

PES 235 Athletic Training Techniques (3)

PES 250 Kinesiology (3)

PES 298 Internship Seminar (1)

PES 299 Internship for Personal Trainers (3)

**Program Total: 35 credits**

## Graphic Communications

Multimedia Arts (A.A.S.)

Animation  
Digital Design  
Web Designer

### Multimedia Arts

#### A.A.S. Degree

This visual communication program prepares students for entry-level positions in the multimedia industry. Students learn to create and deliver content via multiple media formats including print, illustration, text, digital imagery, audio, video, and interactive web sites.

#### I. General Education Core (15-16)

##### Area A: Communication (6 credits)

ENG 101 Composition I - *with a grade of C or better* (3)  
COMM 101 Principles of Communication (3)

##### Area B: Humanities and Fine Arts (3 credits)

ART 131 Survey of Non-Western Art (3) recommended  
or select one course from Area B (3)

##### Area C: Mathematics (demonstrated competence required)

Placement into MATH 095 or completion of MATH 090 - *with a grade of C or better*

*The AAS degree is not intended for transfer; higher math is recommended if students plan to transfer:*

MATH 112 General Education Mathematics (3)

or

MATH 115 General Education Statistics (3)

##### Area D: Physical and Life Sciences (3-4 credits)

Select one course from Area D (3-4)

##### Area E: Social and Behavioral Science (3 credits)

Select one course from Area E (3)

#### II. Program Requirements (35)

ART 101 Two Dimensional Design (3)  
ART 102 Three Dimensional Design (3)  
ART 104 Drawing I (3)  
ART 106 Drawing II (3)  
ART 115 Introduction to Computer Art (3)  
ART 121 History of Western Art I (3)  
ART 122 History of Western Art II (3)  
COMM 111 Introduction to Mass Communications (3)  
GC 151 Principles of Graphic Design (3)  
GC 154 Typography (2)  
GC 162 Introduction to Web Site Development (3)  
GC 299 Internship/Seminar (3)

or

ART 295 Portfolio Seminar (3)

#### Specialization Option (12)

Select **one** specialization option from the list below and choose 12 credits from within that specialty.

##### Print Media Option:

ART 126 History of Photography (3)  
ART 162 Life Drawing (3)  
ART 201 Painting I (3)  
ART 205 Printmaking (3)  
GC 160 Design for Publishing (3)  
GC 171 Illustration (3)  
GC 287 Professional Design (3)  
PHOTO 171 Introduction to Photography (3)

##### Digital Media Option:

GC 156 Design Software Workshop (2)  
GC 175 2D Animation (3)  
GC 262 Flash/Interface Design (3)  
GC 265 Interactive Design Project (3)  
GC 270 Advanced Web Site Design (3)  
MUSIC 173 Introduction to Digital Sound (2)  
PHOTO 267 Video Production (4)  
PHOTO 275 Photographic Design (3)

#### Program Total: 62-63 credits

## Animation

### Certificate

The Animation program prepares students for entry level positions as web animators, 2D/3D animators, flash designers, and multimedia artists in industries such as motion pictures and video, advertising, and web and interactive design firms. The program incorporates audio/video technology, laws of motion and physics, drawing, and computer art while giving students the opportunity to build a comprehensive portfolio of work.

#### Program Requirements

ART 101 Two Dimensional Design (3)  
ART 115 Introduction to Computer Art (3) (same as GC 115)  
ART 162 Life Drawing (3)  
GC 175 2D Animation (3)  
GC 177 3D Animation (3)  
GC 262 Flash/Interface Design (3)  
MUSIC 173 Introduction to Digital Sound (2)  
PHOTO 267 Video Production (4)

#### Program Total: 24 credits

## Digital Design

### **Certificate**

This program provides a foundation in design and computer art and experience with specialized software and techniques required to work in the field of digital design. Students are prepared for entry-level or freelance work in electronic and print media.

### **Program Requirements**

ART 115	Introduction to Computer Art (3)
ART 205	Printmaking (3)
GC 151	Principles of Graphic Design (3)
GC 160	Design for Publishing (3)
GC 287	Professional Design (3)

**Program Total: 15 credits**

## Web Designer

### **Certificate**

This program develops Web design skills with an emphasis on graphic design and digital media, including animation.

### **Program Requirements**

ART 115	Introduction to Computer Art (3)
GC 151	Principles of Graphic Design (3)
GC 162	Introduction to Web Site Development (3)
GC 262	Flash/Interface Design (3)
ITWEB 101	Web Page Authoring (3)
ITWEB 105	Multimedia Writing (3)

**Program Total: 18 credits**

## Health Professions

Dental Hygiene (A.A.S.)  
 Nursing (A.A.S.)  
 Advanced Bedside Care Provider  
 CNA/Nurse Assistant  
 R.N. First Surgical Assistant  
 Surgical Technology

### Dental Hygiene

#### A.A.S. Degree

This program prepares students for careers in dental hygiene. It combines courses in general education, basic science, dental science and clinical science with learning experiences in the Dental Hygiene Clinic. Graduates of this program are eligible to sit for the state and regional licensing examinations. Courses must be completed in sequence. Those who desire part-time college enrollment may enroll only in the general education courses prior to applying for entry into the Dental Hygiene program.

*Please note: This program begins during summer sessions only and has special admissions requirements. Contact Enrollment Services to obtain a copy of the Dental Hygiene Information Booklet.*

#### I. General Education Core (19)

##### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C or better (3)  
 COMM 101 Principles of Communication (3)

##### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

##### Area C: Mathematics (demonstrated competence required)

Placement into MATH 095 or completion of MATH 090 - with a grade of C or better

##### Area D: Physical and Life Sciences (4 credits)

CHEM 105 Survey of General Chemistry (4)

##### Area E: Social and Behavioral Sciences (6 credits)

PSYCH 101 Introduction to Psychology (3)  
 SOCIO 101 Introduction to Sociology (3)

#### II. Area of Concentration/Program Requirements (64)

BIOL 211 Microbiology (4)  
 BIOL 221 Human Anatomy and Physiology I (4)  
 BIOL 222 Human Anatomy and Physiology II (4)  
 DH 101 Histology (2)  
 DH 103 Head & Neck Anatomy and Tooth Morphology (5)  
 DH 104 Dental Radiology (4)  
 DH 105 Nutrition (2)  
 DH 106 General and Oral Pathology (2)  
 DH 107 Fundamentals of Dental Hygiene (2)  
 DH 108 Clinical Dental Hygiene I (4)  
 DH 109 Clinical Dental Hygiene II (4)  
 DH 116 Periodontology (2)  
 DH 120 Care of Special Populations (2)  
 DH 201 Clinical Dental Hygiene III (3)  
 DH 202 Clinical Dental Hygiene IV (5)  
 DH 203 Clinical Dental Hygiene V (5)  
 DH 204 Ethics, Law and Administration (2)  
 DH 205 Pharmacology (2)  
 DH 207 The Science and Application of Dental Material (4)  
 DH 220 Community Dental Health (2)

**Program Total: 83 credits**

## Nursing

### A.A.S. Degree

This program prepares students for careers in nursing. The program combines courses in general and nursing education with selected learning experiences in hospitals and health agencies. Students will be required to perform at a predetermined satisfactory level on a nationally normed comprehensive exit exam at the conclusion of the program. Graduates of the Associate in Applied Science degree program may apply to take the NCLEX-RN examination for licensure as a registered nurse.

*Please note: This program has special admissions requirements. Contact Enrollment Services to obtain a copy of the Nursing Information Booklet. (starts fall only)*

*Prior to admission to the Nursing program, students must complete NURS 100 Nurse Assistant Training (7) with a grade of C or better or demonstrate current status on the Illinois Certified Nurse Assistant (CNA) Registry. Credit earned for NURS 100 is not included in the 68 credit hours required for the Nursing A.A.S. degree.*

*Students also must complete BIOL 221 Human Anatomy and Physiology I (4) with a grade of C or better prior to admission to the Nursing program. Credit earned for BIOL 221 is included in the 68 credit hours required. Students are encouraged to complete as many general education courses as possible before enrolling in the Nursing Core Courses listed below in Section II.*

#### LPN Bridge Program

*LPNs who are seeking the A.A.S. in Nursing degree should consult with the Nursing Advisor in the Admissions Office for information on bridging options.*

#### I. General Education Core (22)

##### Area A: Communication (9 credits)

ENG 101 Composition I - with a grade of C or better (3)  
 ENG 102 Composition II (3)  
 COMM 101 Principles of Communication (3)

##### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B. (3)

##### Area C: Mathematics (demonstrated competence required)

Placement into MATH 095 or completion of MATH 090 - with a grade of C or better

##### Area D: Physical and Life Sciences (4 credits)

BIOL 221 Human Anatomy and Physiology I (4)

##### Area E: Social and Behavioral Sciences (6 credits)

PSYCH 101 Introduction to Psychology (3)  
 PSYCH 102 Human Growth & Development: Life-Span (3)

#### II. Area of Concentration/Program Requirements (48)

BIOL 211 Microbiology (4)  
 BIOL 222 Human Anatomy and Physiology II (4)  
 NURS 101 Basic Care Needs (7)  
 NURS 102 Acute Care Needs (8)  
 NURS 111 Nursing as a Profession (1)  
 NURS 201 Family Care Needs (11)  
 NURS 202 Advanced Care Needs (11)  
 NURS 211 Preparation for Professional Nursing (2)

**Program Total: 70 credits**

## Advanced Bedside Care Provider

### Certificate

This certificate program will provide students with theoretical background and psychomotor skills needed to provide basic bedside care. CNA competencies are enhanced by instruction in communication strategies and human behavior. This will prepare the bedside care provider to improve his/her ability to interact with clients, families and other members of the health care team.

*Note: Students must be actively listed in the State of Illinois CNA Registry in order to complete this certificate. Students currently listed in the State of Illinois CNA Registry may qualify for proficiency credit for NURS 100. Contact the Dean of Health Professions for information.*

### Program Requirements

COMM 101	Principles of Communication (3)
NURS 100	Nurse Assistant Training (7)
PSYCH 101	Introduction to Psychology (3)

**Program Total: 13 credits**

## CNA/Nurse Assistant

### Certificate

The Nursing Assistant Training Program has been designed to provide students with the theory and skills necessary to give basic patient care in a nursing home or hospital. The course includes instruction in basic bedside skills such as bed baths, moving and lifting, enemas, and other techniques. Students will receive practice in a lab setting and in a nursing home. Successful completion of this program qualifies the student for the Illinois Basic Nursing Assistant Certificate and to take the state approved Competency Examination.

### Program Requirements

NURS 100	Nurse Assistant Training* (7)
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**Program Total: 7 credits**

*\*Along with regular lectures, students will have clinicals in some local facilities such as long-term care facilities, where they will perform basic nursing care under the guidance of a registered nurse.*

## R.N. First Surgical Assistant

### Certificate

This program is designed for employed registered nurses with a minimum of two years current acute care setting operating room experience. It provides further training to enable nurses to competently assist the surgeon during surgical procedures requiring an assistant.

Note: Contact the Dean of Health Professions for additional enrollment requirements.

### Program Requirements

RN 100	R.N. First Assistant (3)
RN 101	R.N. First Assistant Internship (3)

**Program Total: 6 credits**

## Surgical Technology

### Certificate

*Please note: This program has special admissions requirements. Contact Enrollment Services to obtain a copy of the Surgical Technologist Application Procedures Booklet.*

This program prepares students to work as surgical technologists in the operating room, labor and delivery, ambulatory surgical care centers, cardiac catheterization laboratories, physician's offices, or central supply units. Surgical technologists work under medical supervision to facilitate safe and effective performance of invasive surgical procedures aimed at optimizing patient safety. This program meets nationally established standards for Surgical Technology. It has been approved by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Graduates may sit for the Surgical Technologist national certification exam administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

This program begins only in the fall semester and takes one year to complete. It is essentially a 40-hour per week day-time program which includes both classes and clinical labs. Clinicals will be held in hospital operating rooms with students working with a preceptor. Students must have their own transportation to travel to a hospital site within a 45-mile radius. Upon completion of the program, students will take the certification examination administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA) to become a Certified Surgical Technologist (CST).

### Program Requirements

*(All courses must be completed with a C grade or better)*

BIOL 115	Microbiology for Surgical Technologists (4)
HLTH 102	Workplace Issues for Allied Health (1)
SRT 102	Patient Care I (2)
SRT 103	Patient Care II (1)
SRT 110	Introduction to Surgical Technology (7)
SRT 120	Surgical Procedures I (5)
SRT 122	Applied Surgical Procedures I (1)
SRT 130	Surgical Procedures II (6)
SRT 132	Applied Surgical Procedures II (2)
SRT 140	Surgical Procedures III (6)
SRT 142	Applied Surgical Procedures III (2)
SRT 298	Surgical Technology Seminar (4)
SRT 299	Applied Surgical Procedures IV (2)

*Students must complete NBSTSA exam*

**Program Total: 43 credits**

## Industrial Technology

CNC Programmer/Operator  
 Heating, Ventilation, Air Conditioning and Refrigeration  
 Industrial Electrician (A.A.S.)  
 Industrial Electrician  
 Industrial Maintenance Technician  
 Machinist  
 Manufacturing Technology (A.A.S.)  
 Manufacturing Technology  
 Industrial Mechanic  
 Tool & Die Making (A.A.S.)  
 Welder Technician  
 Welding Specialist

### CNC Programmer/Operator

#### Certificate

This program is designed to prepare people to be CNC Programmers/Operators. The curriculum emphasizes programming and operation of both milling and turning CNC equipment. Additionally, the student will receive instruction in these important related areas: machine tool operation and applications, mathematics, and drafting/CAD.

#### Program Requirements

CADMD 243 Introduction to AutoCAD (3)  
 MT 101 Manufacturing Basics—Measurement, Materials, and Safety (4)  
 MT 102 Manufacturing Job Planning, Benchwork, and Layout (4)  
 MT 210 CNC Programming I (3)  
 MT 211 CNC Programming II (3)  
 MT 214 CAD/CAM Systems (3)  
 TECH 109 Technical Mathematics I (4)  
 MATH 151 College Algebra (4)  
 Electives: Select from CADMD 244, 245; MT 212, 215 (6)

**Program Total: 34 credits**

## Heating, Ventilation, Air-Conditioning and Refrigeration

#### Certificate

This program prepares heating and cooling technicians to work on systems that control the temperature, humidity, and air quality of enclosed environments. Students learn to assemble, install, maintain and service climate control equipment. Typical entry-level positions include service technicians, new installation technicians, and sales positions.

#### Program Requirements

AMATH 100 Basic Math for the Skilled Trades (2)  
 HVACR 101 Fundamentals of Refrigeration (2)  
 HVACR 102 Advanced Refrigeration (2)  
 HVACR 103 Air Conditioning (2)  
 HVACR 104 Advanced Air Conditioning (2)  
 HVACR 105 Heating System Applications (2)  
 HVACR 107 Electrical Control Applications (2)  
 HVACR 108 Advanced Controls (2)  
 HVACR 109 Installation & Service of HVACR Systems (2)  
 HVACR 110 Troubleshooting HVACR Systems (2)  
 HVACR 112 Sheet Metal Layout and Fabrication (2)  
 Electives: Select from WELD 101; HVACR 114; or courses chosen with coordinator's consent. (4)

**Program Total: 26 credits**



## Industrial Electrician

### A.A.S. Degree

The industrial electrician degree program prepares students for work as electricians in industry. To meet the demands of changing technology, training encompasses electronics as well as electrician skills. Students pursuing the A.A.S. degree on a full-time schedule will be prepared for entry-level positions as industrial electricians. This training has been approved by the United States Bureau of Apprenticeship Training.

### I. General Education Core (19-21)

#### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C or better (3)  
COMM 101 Principles of Communication (3)

#### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

#### Area C: Mathematics (3-4)

Minimum of 3 credit hours in mathematics required (3-4).

Options are to take both:

AMATH 101 Algebra for the Skilled Trades (2) **and**  
AMATH 106 Applied Trigonometry for the Skilled Trades (2);

**or** choose from **one** of the following courses:

IT 106 Mathematics for Computers (3)  
MATH 151 College Algebra (4)  
TECH 109 Technical Mathematics I (4)

#### Area D: Physical and Life Sciences (4-5 credits)

Select one course from the following CHEM 105, 110; PHYS 111;  
PHYSI 101, 120, 210

#### Area E: Social and Behavioral Science (3 credits)

Select one course from Area E (3)

### II. Program Requirements (41)

COL 101 First Year Seminar (1)  
COL 102 Career Development Seminar (1)  
ELECT 101 Fundamentals of Electricity I (2)  
ELECT 102 Fundamentals of Electricity II (2)  
ELECT 103 Alternating Current (2)  
ELECT 105 Power, Transformers, Polyphase Circuits (2)  
ELECT 106 DC Motors and Generators (2)  
ELECT 107 AC Motors and Generators (2)  
ELECT 108 Electrical Control for Machines I (2)  
ELECT 109 Electric Control for Machines II (2)  
ELECT 111 Electronic Principles I (2)  
ELECT 112 Electronic Principles II (2)  
ELECT 113 Print Reading for Electricians (2)  
ELECT 114 National Electrical Code (2)  
ELECT 120 Electrical Safety (2)  
ELECT 159 Electrical Wiring I (2)  
ELECT 203 Industrial Electronics I (2)  
ELECT 204 Industrial Electronics II (2)  
ELECT 208 Programmable Logic Controllers I (2)  
ELECT 209 Programmable Logic Controllers II (2)  
ELECT 298 Electrical Seminar (1)  
ELECT 299 Electrical Internship (2)

### III. Electives (8)

Select from ELECT 141, 150, 160, 201, 202, 206, 207, 230, 290;  
PHYSI 130 (8)

**Program Total: 68-70 credits**

## Industrial Electrician

### Certificate

Industrial Electricians are prepared to troubleshoot and maintain electrical devices used in a manufacturing industry; install electrical machines and wiring; and wire electrical panels.

### Program Requirements

Minimum of 3 credit hours in mathematics required (3-4).

Options are to take **both**:

AMATH 101 Algebra for the Skilled Trades (2) **and**  
AMATH 106 Applied Trigonometry for the Skilled Trades (2);

**or** choose from **one** of the following courses:

IT 106 Mathematics for Computers (3)  
MATH 151 College Algebra (4)  
TECH 109 Technical Mathematics I (4)

COL 101 First Year Seminar (1)  
COL 102 Career Development Seminar (1)  
ELECT 101 Fundamentals of Electricity I (2)  
ELECT 102 Fundamentals of Electricity II (2)  
ELECT 103 Alternating Current (2)  
ELECT 106 DC Motors and Generators (2)  
ELECT 107 AC Motors and Generators (2)  
ELECT 108 Electrical Control for Machines I (2)  
ELECT 109 Electric Control for Machines II (2)  
ELECT 113 Print Reading for Electricians (2)  
ELECT 114 National Electrical Code (2)  
ELECT 120 Electrical Safety (2)  
ELECT 159 Electrical Wiring I (2)  
ELECT 203 Industrial Electronics I (2)  
ELECT 204 Industrial Electronics II (2)  
ELECT 208 Programmable Logic Controllers I (2)

Select 5 credits from ELECT 111, 112, 141, 160, 201, 202, 206, 207, 209, 290 (5)

**Program Total: 38-39 credits**

## Industrial Maintenance Technician

### Certificate

This program trains students for a company's individual workplace needs. Students complete a core program and then focus in one or several technical areas.

### Program Requirements

AMATH 101	Algebra for the Skilled Trades (2)
AMATH 106	Applied Trigonometry for the Skilled Trades (2)
DRAFT 115	Blueprint Reading for Mechanical Trades (2)
ELECT 101	Fundamentals of Electricity I (2)
ELECT 102	Fundamentals of Electricity II (2)
ELECT 103	Alternating Current I (2)
ELECT 106	DC Motors and Generators (2)
ELECT 107	AC Motors and Generators (2)
ELECT 159	Electrical Wiring I (2)
ELECT 208	Programmable Logic Controllers I (2)
HYDR 101	Fundamentals of Hydraulics (2)
HYDR 103	Hydraulic Controls (2)
HYDR 106	Pneumatics (2)
MT 120	Industrial Safety (2)
MILL 101	Industrial Maintenance Techniques I (2)
MILL 102	Industrial Maintenance Techniques II (2)
MILL 103	Lubrication (2)
MILL 106	Power Train Elements (2)
MILL 107	Machine Vibration Analysis I (2)
PIPE 101	Fundamentals of Pipefitting (2)
WELD 101	Principles of Flat Welding (2)
WELD 102	Horizontal Welding and Brazing (2)

**Program Total: 44 credits**

## Machinist

### Certificate

This program prepares students to enter machinist craft fields. Machinist training teaches students to custom build metal devices in both a job shop or a manufacturing establishment.

### Program Requirements

AMATH 103	Geometry for the Skilled Trades (2)
AMATH 106	Applied Trigonometry for the Skilled Trades (2)
DRAFT 115	Blueprint Reading for Mechanical Trades (2)
DRAFT 116	GD & T Application and Interpretation (2)
CADMD 141	Technical Drafting I (3)
CADMD 243	Introduction to AutoCAD (3)
MT 101	Manufacturing Basics—Measurement, Materials, and Safety (4)
MT 102	Manufacturing Job Planning, Benchwork, and Layout (4)
MT 105	Metal Working Processes III (3)
MT 210	CNC Programming I (3)
MT 211	CNC Programming II (3)
MT 214	CAD/CAM Systems (3)
MT 220	Metallurgy - Ferrous (2)

**Program Total: 36 credits**

## Manufacturing Technology

### A.A.S. Degree

This program prepares personnel for a wide range of manufacturing related occupations. These include machine operator, machinist, CNC operator, CNC programmer, and robotics programmer. Coursework includes basic machine shop operations and processes, CNC machine operation and programming, CAD/CAM fundamentals, robotics and automated manufacturing applications. This program prepares technicians to operate, program, design and install manufacturing, assembly and materials handling equipment. Students who wish to pursue a bachelor's degree in this program should consult an enrollment advisor regarding transfer information.

### I. General Education Core (20)

#### Area A: Communication (6 credits)

ENG 101	Composition I - with a grade of C or better (3)
COMM 101	Principles of Communication (3)

#### Area B: Humanities and Fine Arts (3 credits)

Select one course from the list for Area B (3)

#### Area C: Mathematics (4 credits)

TECH 109	Technical Mathematics I (4) required
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#### Area D: Physical and Life Sciences (4 credits)

PHYSI 120	College Physics I (4) required
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#### Area E: Social and Behavioral Sciences (3 credits)

Select one course from the list for Area E (3)

### II. Area of Concentration/Program Requirements (41)

CADMD 141	Technical Drafting I (3)
CADMD 243	Introduction to Auto-CAD (3)
MT 101	Manufacturing Basics—Measurement, Materials, and Safety (4)
MT 102	Manufacturing Job Planning, Benchwork, and Layout (4)
MT 105	Metal Working Processes III (3)
MT 210	CNC Programming I (3)
MT 211	CNC Programming II (3)
MT 212	Introduction to Robotics (3)
MT 214	CAD/CAM Systems (3)
MT 215	Manufacturing Systems (4)
MATH 151	College Algebra (4)
PHYSI 130	College Physics II (4)

### III. Electives (2)

Select from CADMD 244; HYDR 101; WELD 101 (2)

**Program Total: 63 credits**

## Manufacturing Technology

### Certificate

This certificate program is designed for individuals who do not seek the associate degree, yet still want the technical skills and knowledge necessary for successful employment in the field of manufacturing. The curriculum provides instruction for such occupations as machine operator, machinist, and CNC operator.

### Program Requirements

CADMD 141 Technical Drafting I (3)  
 MT 101 Manufacturing Basics—Measurement, Materials, and Safety (4)  
 MT 102 Manufacturing Job Planning, Benchwork, and Layout (4)  
 MT 210 CNC Programming I (3)  
 MT 212 Introduction to Robotics (3)  
 TECH 109 Technical Mathematics (4)  
 Select from CADMD 243, 244; CET 103; ELECT 103; HYDR 101; MT 211, 214, 215, 220; WELD 101 (12)

**Program Total: 33 credits**

## Industrial Mechanic

### Certificate

This program trains students to move and install various metalworking machines according to a firm's management requests. Millwrights are high-skilled workers trained to dismantle, operate, repair, or lubricate industrial machinery. They are skilled in the use of basic tools and machinery and can read blueprints and schematic designs.

### Program Requirements

AMATH 100 Basic Mathematics for the Skilled Trades (2)  
 AMATH 101 Algebra for the Skilled Trades (2)  
 DRAFT 101 Drafting Essentials (2)  
 DRAFT 102 Drafting Conventions & Symbols (2)  
 DRAFT 115 Blueprint Reading for the Mechanical Trades (2)  
 HYDR 101 Fundamentals of Hydraulics (2)  
 HYDR 106 Pneumatics (2)  
 MILL 101 Industrial Maintenance Techniques I (2)  
 MILL 102 Industrial Maintenance Techniques II (2)  
 MILL 103 Lubrication (2)  
 MILL 105 Rigging (2)  
 MILL 106 Power Train Elements (2)  
 MILL 107 Machine Vibration Analysis I (2)  
 PIPE 101 Fundamentals of Pipefitting (2)  
 WELD 101 Principles of Flat Welding (2)  
 WELD 102 Horizontal Welding and Brazing (2)

**Program Total: 32 credits**

## Tool and Die Making

### A.A.S. Degree

The Tool and Die Making curriculum meets the standards of the United States Bureau of Apprenticeship which requires a minimum of 144 contact hours of related classroom instruction per year for an apprenticeship. The program is coordinated with area firms.

### I. General Education Core (19-20)

#### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C or better (3)  
 COMM 101 Principles of Communication (3)

#### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

#### Area C: Mathematics (4)

AMATH 100 Basic Math for the Skilled Trades (2)  
 AMATH 101 Algebra for the Skilled Trades (2)

#### Area D: Physical and Life Sciences (3-4 credits)

Select one course from Area D

#### Area E: Social and Behavioral Sciences (3 credits)

Select one course from Area E (3)

### II. Program Requirements (43)

AMATH 103 Geometry for the Skilled Trades (2)  
 AMATH 106 Applied Trigonometry for the Skilled Trades (2)  
 AMATH 107 Trigonometry & Shop Applications for the Skilled Trades (2)  
 AMATH 108 Compound Angles for the Skilled Trades (2)  
 AMATH 110 Gearing & Cams for the Skilled Trades (2)  
 CADMD 141 Technical Drafting I (3)  
 CADMD 243 Introduction to Auto-CAD (3)  
 DRAFT 105 Design Applications for Mechanical Trades (2)  
 HYDR 101 Fundamentals of Hydraulics (2)  
 HYDR 106 Pneumatics (2)  
 MILL 101 Industrial Maintenance Techniques I (2)  
 MT 101 Manufacturing Basics—Measurement, Materials, and Safety (4)  
 MT 102 Manufacturing Job Planning, Benchwork, and Layout (4)  
 MT 105 Metal Working Processes III (3)  
 MT 220 Metallurgy - Ferrous (2)  
 TOOL 101 Tool and Die Processes (2)  
 TOOL 102 Tool and Die Maintenance (2)  
 WELD 101 Principles of Flat Welding (2)

**Program Total: 62-63 credits**

## Welder Technician

### Certificate

The curriculum prepares students to perform various welding jobs for maintenance manufacturing machines. The training also prepares students to custom build devices by working from machine drawings and specifications.

### Program Requirements

AMATH 100	Basic Mathematics for the Skilled Trades (2)
AMATH 101	Algebra for the Skilled Trades (2)
AMATH 103	Geometry for the Skilled Trades (2)
AMATH 106	Applied Trigonometry for the Skilled Trades (2)
DRAFT 101	Drafting Essentials (2)
DRAFT 102	Drafting Conventions & Symbols (2)
DRAFT 103	Three Dimensional Shapes (2)
MT 220	Metallurgy - Ferrous (2)
WELD 101	Principles of Flat Welding (2)
WELD 102	Horizontal Welding and Brazing (2)
WELD 103	Metal Inert and Vertical Welding (2)
WELD 104	Tungsten Inert and Overhead Welding (2)
WELD 105	A.W.S. Structural Certification (2)

Select 8 credits from the following courses: APHYS 100; HYDR 101; MT 101, 221; PIPE 103; WELD 106, 201, 202 (8)

**Program Total: 34 credits**

## Welding Specialist

### Certificate

This certificate program is designed to concentrate on welding skills utilizing processes that are most widely employed in business and industry. The welding proficiency and knowledge gained in this program supplement most skilled construction trades.

### Program Requirements

AMATH 100	Basic Mathematics for the Skilled Trades (2)
DRAFT 101	Drafting Essentials (2)
WELD 101	Principles of Flat Welding (2)
WELD 102	Horizontal Welding and Brazing (2)
WELD 103	Metal Inert and Vertical Welding (2)
WELD 104	Tungsten Inert and Overhead Welding (2)
WELD 105	A.W.S. Structural Certification (2)
WELD 106	Pipe and Pressure Vessel Certification (2)
WELD 201	Advanced Gas Metal Arc Welding (2)
WELD 202	Advanced Gas Tungsten Arc Welding (2)

**Program Total: 20 credits**

## Information Technology

Computer Electronics Technology (A.A.S.)  
 Computer Electronics Technician  
 Information Technology (A.A.S.)  
 Administrative Assistant Option  
 Networking Option  
 Programming Option  
 Web Option  
 Computer Repair Specialist  
 Desktop Publishing  
 Digital Mass Communication  
 E-Commerce Specialist  
 Game Design and Development  
 Network Security Specialist  
 Networking Specialist  
 Office Productivity Specialist  
 Office Specialist  
 Programming  
 Software Technician  
 Software User  
 Web Developer  
 Web Technician  
 Webmaster

## Information Technology

### A.A.S. Degree

This program prepares students for the rapidly changing world of computers, computer applications and the office environment. After completing introductory courses, students may choose one of the following options: administrative assistant, networking, programming, or Webmaster. Career opportunities vary according to the option selected.

### Information Technology: Administrative Assistant Option

#### I. General Education Core (18-19)

##### Area A: Communication (6 credits)

ENG 101 Composition I - *with a grade of C of better* (3)  
 COMM 101 Principles of Communication (3)

##### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

##### Area C: Mathematics (3 credits)

BUS 103 Business Mathematics (3) or  
 IT 106 Mathematics for Computers (3)

##### Area D: Physical and Life Sciences (3-4 credits)

Select one course from Area D (3-4)

##### Area E: Social and Behavioral Sciences (3 credits)

Select one course from Area E (3)

#### II. Program Requirements (41)

##### Core Courses:

BUS 101 Introduction to Modern Business (3)  
 BUS 107 Bookkeeping and Procedural Accounting (3)  
 ITAPP 101 Introduction to Computers (3)  
 ITOFS 299 Internship (2)

### Administrative Assistant Concentration Courses:

ITAPP 109 Introduction to the Internet (1)  
 ITAPP 121 Word Processing Applications - Level 1 (3)  
 ITAPP 122 Word Processing Applications - Level 2 (3)  
 ITAPP 125 Spreadsheet Applications - Level 1 (3)  
 ITAPP 126 Spreadsheet Applications - Level 2 (3)  
 ITAPP 128 Database Applications - Level 1 (3)  
 ITAPP 132 Desktop Publishing (3)  
 ITAPP 133 Presentation Applications (2)  
 ITOFS 111 Business Document Formatting (2)  
 ITOFS 112 Advanced Document Production (3)  
 ITOFS 117 Keyboarding Skill Development (1)  
 ITOFS 119 Office Procedures and Management (3)

### III. Electives (5-6)

Select from the following:

BUS 105, 127; IT 140, 205; ITAPP 100, 129, 232; ITOFS 100; ITPRG 103, 144, 157; ITWEB 103

### Program Total: 64-66 credits

### Information Technology: Networking Option

#### I. General Education Core (18-19)

##### Area A: Communication (6 credits)

ENG 101 Composition I - *with a grade of C of better* (3)  
 COMM 101 Principles of Communication (3)

##### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

##### Area C: Mathematics (3 credits)

IT 106 Mathematics for Computers (3)

##### Area D: Physical and Life Sciences (3-4 credits)

Select one course from Area D (3-4)

##### Area E: Social and Behavioral Sciences (3 credits)

Select one course from Area E (3)

#### II. Program Requirements (46)

##### Core Courses:

BUS 101 Introduction to Modern Business (3)  
 BUS 107 Bookkeeping and Procedural Accounting (3)  
 ITAPP 101 Introduction to Computers (3)  
 ITNET 299 Internship (2)

##### Networking Concentration Courses:

IT 140 Intro to Operating Systems (3)  
 IT 201 Systems Design and Develop. (3)  
 IT 205 Ethics in Information Technology (2)  
 IT 240 Intro to Linux Operating System (3)  
 ITNET 160 Computer Repair (4)  
 ITNET 165 Introduction to Networking (3)  
 ITNET 250 Intro to LAN Administration (3)  
 ITWEB 101 Web Page Fundamentals (3)

Select 11 credits from the following:

ITAPP 109, 121, 125, 128, 133; ITNET 260, 280; ITPRG 103, 142, 144, 147

### Program Total: 64-65 credits

## Information Technology: Programming Option

### I. General Education Core (18-19)

#### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C of better (3)  
COMM 101 Principles of Communication (3)

#### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

#### Area C: Mathematics (3 credits)

IT 106 Mathematics for Computers (3)

#### Area D: Physical and Life Sciences (3-4 credits)

Select one course from Area D (3-4)

#### Area E: Social and Behavioral Sciences (3 credits)

Select one course from Area E (3)

### II. Area of Concentration/Program Requirements (46)

#### Core Courses:

BUS 101 Introduction to Modern Business (3)  
BUS 131 Financial Accounting (4)  
ITAPP 101 Introduction to Computers (3)  
ITPRG 299 Internship (2)

#### Programming Concentration Courses:

IT 140 Introduction to Operating Systems (3)  
IT 201 Systems Design and Development (3)  
IT 205 Ethics in Information Technology (2)  
ITPRG 103 Introduction to Programming (3)  
ITPRG 142 Introduction to Visual Basic Programming (3)

Choose **one** of the two following courses:

ITPRG 144 Introduction to C++ Programming (3)  
ITPRG 147 Introduction to JAVA Programming (3)

Select 17 credits from the following:

ITAPP 133; ITOFS 100; ITPRG 144, 147, 154, 157, 242, 244, 247; ITWEB 101, 103, 201, 205

### Program Total: 64-65 credits

## Information Technology: Web Option

### I. General Education Core (18-19)

#### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C of better (3)  
COMM 101 Principles of Communication (3)

#### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

#### Area C: Mathematics (3 credits)

IT 106 Mathematics for Computers (3)

#### Area D: Physical and Life Sciences (3-4 credits)

Select one course from Area D (3-4)

#### Area E: Social and Behavioral Sciences (3 credits)

Select one course from Area E (3)

### II. Program Requirements (46)

#### Core Courses:

BUS 101 Introduction to Modern Business (3)  
BUS 107 Bookkeeping and Procedural Accounting (3)  
ITAPP 101 Introduction to Computers (3)  
ITWEB 299 Internship (2)

#### Web Concentration Courses:

COMM 111 Introduction to Mass Communication (3)  
GC 115 or ART 115 Introduction to Computer Art (3)  
IT 140 Introduction to Operating Systems (3)  
IT 201 Systems Design and Development (3)  
IT 205 Ethics in Information Technology (2)  
ITPRG 157 JavaScript Programming (3)  
ITWEB 101 Web Page Fundamentals (3)  
ITWEB 103 Web Site Design - Level I (3)  
ITWEB 105 Multimedia Writing (3)  
ITWEB 201 Technology of E-Commerce (3)  
ITWEB 203 Web Site Design - Level 2 (3)  
ITWEB 205 Web Languages (3)

### Program Total: 64-65 credits

## Computer Repair Specialist Certificate

This program is for those individuals who want to work with computer hardware and software. This certificate provides students with skills needed as a first-level troubleshooting technician in a computer facility.

### Program Requirements

ELECT 111 Electronic Principles I (2)  
ELECT 112 Electronic Principles II (2)  
IT 140 Introduction to Operating Systems (3)  
ITNET 160 Computer Repair (4)  
Select from IT 205; ITNET 165, 250 (5)

### Program Total: 16 credits

## Desktop Publishing Certificate

This program prepares students to produce professional looking publications using desktop publishing software.

### Program Requirements

ITAPP 101 Introduction to Computers (3)  
ITAPP 121 Word Processing Applications - Level I (3)  
ITAPP 122 Word Processing Applications - Level II (3)  
ITAPP 132 Desktop Publishing (3)  
ITAPP 133 Presentation Applications (2)  
ITAPP 232 Advanced Desktop Publishing (3)  
Choose **one** of the following:  
ITWEB 103 Introduction to Web Site Development (3)  
ART 115 Introduction to Computer Art (3)

### Program Total: 20 credits

## Digital Mass Communication

### Certificate

This program prepares students to develop digital media and web sites using computer-based technologies by writing text, designing graphics, creating animations, and incorporating sound for multimedia presentations.

### Program Requirements

BUS 261	Advertising (3)
COMM 111	Introduction to Mass Communication (3)
GC 115	Introduction to Computer Art (3) (same as ART 115)
ITWEB 103	Web Site Design - Level 1 (3)
ITWEB 105	Multimedia Writing (3)
ITWEB 203	Web Site Design - Level 2 (3)

**Program Total: 18 credits**

## E-Commerce Specialist

### Certificate

This certificate program prepares students to create and maintain electronic commerce Web sites. Topics include business, marketing, legal issues, programming, online monetary security issues, and graphic design considerations.

### Program Requirements

BUS 101	Introduction to Modern Business (3)
IT 201	Systems Design and Development (3)
ITWEB 101	Web Page Fundamentals (3)
ITWEB 103	Web Site Design - Level 1 (3)
ITWEB 201	Technology of E-Commerce (3)

**Program Total: 15 credits**

## Game Design and Development

### Certificate

Games Design and Development is a rapidly growing field that produces a wide variety of jobs. The program offers students the ability to explore different facets of the industry, as well as other digital entertainment and educational areas. This program combines current technology skills with art, design, writing, and programming.

### Program Requirements

ENG 101	Composition I (3)
GC 115 <b>or</b> ART 115	Introduction to Computer Art (3)
GC 175	2D Animation (3)
IT 140	Introduction to Operating Systems (3)
IT 205	Ethics in Information Technology (2)
ITPRG 103	Introduction to Programming (3)
ITPRG 144	Introduction to C++ Programming (3)
ITPRG 171	Game Design I (3)
ITPRG 173	Digital Storytelling (3)
Select <b>one</b> of the following courses:	
ITPRG 142	Introduction to Visual Basic Programming (3)
ITPRG 147	Introduction to JAVA Programming (3)
ITWEB 103	Web Site Design - Level 1 (3)
ITWEB 203	Web Site Design - Level 2 (3)
ITWEB 205	Web Languages (3)

**Program Total: 29 credits**

## Network Security Specialist

### Certificate

This program covers the fundamentals of computer networking with an emphasis on network security, network defense and data integrity. It prepares students for jobs in network administration and network security. Students are prepared for a range of industry certifications.

### Program Requirements

IT 140	Introduction to Operating Systems (3)
IT 205	Ethics in Information Technology (2)
IT 240	Linux Operating System (3)
ITNET 160	Computer Repair (4)
ITNET 165	Introduction to Networking (3)
ITNET 250	Introduction to LAN Administration (3)
ITNET 260	Network Security Fundamentals (3)
ITNET 280	Ethical Hacking (3)

**Program Total: 24 credits**

## Networking Specialist

### Certificate

This program provides a foundation in computer networking including network planning, installation, configuration, maintenance, and troubleshooting. It includes coverage of both Microsoft and Linux operating systems. Upon completion, student may seek various industry certification credentials such as CompTIA's A+, Network +, and/or Linux+.

### Program Requirements

IT 140	Introduction to Operating Systems (3)
IT 240	Linux Operating System (3)
ITNET 160	Computer Repair (4)
ITNET 165	Introduction to Networking (3)
ITNET 250	Introduction to LAN Administration (3)

**Program Total: 16 credits**

## Office Productivity Specialist

### Certificate

This program provides students with the information and skills needed to be marketable and productive in a microcomputer environment. Career opportunities include word processing operator, spreadsheet specialist, technical support coordinator, database programmer, office manager, office productivity coordinator.

### Program Requirements

BUS 105	Human Relations (3)
BUS 107*	Bookkeeping and Procedural Accounting (3)
IT 140	Introduction to Operating Systems (3)
IT 205	Ethics in Information Technology (2)
ITAPP 101	Introduction to Computers (3)
ITAPP 109	Introduction to the Internet (1)
ITAPP 121	Word Processing Applications - Level 1 (3)
ITAPP 122	Word Processing Applications - Level 2 (3)
ITAPP 125	Spreadsheet Applications - Level 1 (3)
ITAPP 126	Spreadsheet Applications - Level 2 (3)
ITAPP 128	Database Applications - Level 1 (3)
ITAPP 129	Data Base Applications - Level 2 (3)

\* BUS 131 - Financial Accounting will be accepted in place of BUS 107

**Program Total: 33 credits**

## Office Specialist

### Certificate

This program prepares students to begin a career in an office support position. Topics covered include expert word processing application skills, business document preparation, file management, meeting and travel arrangements, and effective business communication.

### Program Requirements

ITAPP 121	Word Processing Applications - Level 1 (3)
ITAPP 122	Word Processing Applications - Level 2 (3)
ITAPP 125	Spreadsheet Applications - Level 1 (3)
ITAPP 133	Presentation Applications (2)
ITOFS 111	Business Document Formatting (2)
ITOFS 112	Advanced Document Production (3)
ITOFS 119	Office Procedures and Management(3)
ITOFS 199	Office Assistant Practicum (1)

**Program Total: 20 credits**

## Programming

### Certificate

This program is designed for students who need to update their skills and knowledge of programming languages. Object-oriented and event-driven languages, as well as traditional structured languages, are included in this curriculum. Some career opportunities include various levels of programmer analyst such as Visual Basic programmer, C++ programmer, JAVA programmer, object-oriented programmer, and user interface designer.

### Program Requirements

IT 140	Introduction to Operating Systems (3)
IT 201	Systems Design and Development (3)
ITPRG 103	Introduction to Programming (3)
ITPRG 142	Introduction to Visual Basic Programming (3)

Select from the following programming courses:

ITPRG 144, 147, 157, 242, 244, 247 (6)

**Program Total: 18 credits**

## Software Technician

### Certificate

This program prepares students to be a software technician for a small or large company. As an employee, this technician could install, upgrade and maintain software programs and files, as well as diagnose and troubleshoot software-related problems. Career opportunities include computer troubleshooter, software maintenance technician and DOS/Windows Specialists.

### Program Requirements

IT 140	Introduction to Operating Systems (3)
ITAPP 101	Introduction to Computers (3)
ITAPP 109	Introduction to the Internet (1)

Electives:

Select from: ITNET 250; ITPRG 142, 144, 147 (3)

Select one additional IT course (2)

**Program Total: 12 credits**

## Software User

### Certificate

This program exposes students to a variety of application programs including spreadsheets, database and word processing software. Students will gain experience in operating systems (DOS and Windows), diagnostic tools and integration techniques. Some possible career opportunities include administrative assistant, secretary, office manager, and office productivity coordinator.

### Program Requirements

IT 140	Introduction to Operating Systems (3)
ITAPP 101	Introduction to Computers (3)
ITAPP 109	Introduction to the Internet (1)
ITAPP 121	Word Processing Applications - Level 1 (3)
ITAPP 125	Spreadsheet Applications - Level 1 (3)
ITAPP 128	Database Applications - Level 1 (3)

**Program Total: 16 credits**



## Web Developer

### Certificate

This program provides students with skills needed for creating websites and coding web pages. A web developer focuses more on the way a website works than how it looks. Web developers are required to have strong programming and database administration skills for building and maintaining websites that function well. Once a website is up and running, web developers ensure that the site is cross-functional on all web browsers, periodically testing and updating as needed.

### Program Requirements

IT 140	Introduction to Operating Systems (3)
ITAPP 109	Introduction to the Internet (1)
ITAPP 128	Database Applications - Level I (3)
ITPRG 157	JavaScript Programming (3)
ITWEB 101	Web Page Fundamentals (3)
ITWEB 103	Web Site Design - Level I (3)
ITWEB 201	Technology of E-Commerce (3)
ITWEB 205	Web Languages (3)

**Program Total: 22 credits**

## Web Technician

### Certificate

This program teaches students Web technician skills. A Web technician is an Information Technology specialist who works with editors and graphic designers to create websites that are visually pleasing and easy to navigate. Duties have a technical focus that include knowledge of web coding languages, authoring tools, design principles, digital media, and Internet technology. Web technicians create the front-end of websites that meet the preferences of the owner and attract customers. Web technicians are expected to be creative, have an awareness of website usability, and be up to date with web accessibility guidelines.

### Program Requirements

ART 115 or GC 115	Introduction to Computer Art (3)
IT 140	Introduction to Operating Systems (3)
ITAPP 109	Introduction to the Internet (1)
ITWEB 101	Web Page Fundamentals (3)
ITWEB 103	Web Site Design - Level I (3)
ITWEB 105	Multimedia Writing (3)
ITWEB 203	Web Site Design - Level 2 (3)
ITWEB 205	Web Languages (3)

**Program Total: 22 credits**

## Webmaster

### Certificate

This program provides students with skills needed for building, maintaining, and monitoring the performance of websites. A webmaster oversees a website to assure it stays online, optimizing the website and analyzing the speed of the website. Knowledge of Linux or Unix operating systems is important, because the server is usually hosted on Linux or Solaris. Students are offered hands-on activities in networking and operating systems in addition to web programming. The webmaster's position includes making sure that the website links are working properly, tracking the traffic going to a website and studying the web analytics (statistics) of the website.

### Program Requirements

IT 140	Introduction to Operating Systems (3)
IT 240	Linux Operating System (3)
ITAPP 109	Introduction to the Internet (1)
ITNET 165	Introduction to Networking (3)
ITNET 250	Introduction to LAN Administration (3)
ITWEB 101	Web Page Fundamentals (3)
ITWEB 103	Web Site Design - Level I (3)
ITWEB 201	Technology of E-Commerce (3)

**Program Total: 22 credits**

## Music

Music Production (A.A.S.)  
Music Technology

### Music Production

#### A.A.S. Degree

This program is designed to give students the basic practical and theoretical skills necessary to function in a variety of positions within the music industry.

#### I. General Education Core (19)

##### Area A: Communication (6 credits)

ENG 101 Composition I - *with a grade of C or better* (3)  
COMM 101 Principles of Communication (3)

##### Area B: Humanities (3 credits)

MUSIC 130 Music Appreciation (3)

or

MUSIC 132 American Music (3)

##### Area C: Mathematics (3 credits)

BUS 103 Business Mathematics (3)

##### Area D: Physical and Life Sciences (4 credits)

PHYSI 101 Conceptual Physics (4)

##### Area E: Social and Behavioral Sciences (3 credits)

One course from the IAI courses listed for Area E

#### II. Program Requirements (32)

ELECT 101 Fundamentals of Electricity (2)  
ELECT 111 Electronic Principles I (2)  
ELECT 112 Electronic Principles II (2)  
IT 140 Introduction to Operating Systems (3)  
MUSIC 100 Fundamentals of Music Theory (3)  
MUSIC 101 Musicianship I (4)  
MUSIC 171 Fundamentals of Music Production (2)  
MUSIC 172 Music in Film and Television (3)  
MUSIC 174 Computer-Assisted Music Production (4)  
MUSIC 176 Sound Recording Techniques (3)  
MUSIC 274 Digital Composition for Video (4)

#### III. Electives (9)

Select any additional courses. Recommended selections for special areas of emphasis include:

Music: MUSIC 102, 173, 201, 202, 299

Multimedia: GC 115, 162, 185; ITNET 160, 165; ITPRG 171, 173;

MUSIC 299

Marketing: BUS 101, 107, 251; GC 162; MUSIC 299

**Program Total: 60 credits**

## Music Technology

### Certificate

This program is designed to give students the basic practical and theoretical skills necessary to work as assistants and technicians in the music industry.

#### Program Requirements

ELECT 101 Fundamentals of Electricity (2)  
IT 140 Introduction to Operating Systems (3)  
MUSIC 100 Fundamentals of Music Theory (3)  
MUSIC 130 Music Appreciation (3)  
or  
MUSIC 132 American Music (3)  
MUSIC 171 Fundamentals of Music Production (2)  
MUSIC 172 Music in Film and Television (3)  
MUSIC 174 Computer-Assisted Music Production (4)  
MUSIC 176 Sound Recording Techniques (3)  
MUSIC 274 Digital Composition for Video (4)  
MUSIC 299 Music Production Internship (2)  
PHYSI 101 Conceptual Physics (4)

**Program Total: 33 credits**

## Photography

Photographic Studies (A.A.S.)

Photography

Portrait Photography

### Photographic Studies

#### A.A.S. Degree

This program is designed to provide the student with practical experience in creative and vocational applications of photography. Each student is challenged to explore their ideas through commercial, social and aesthetic visual problems. Options are available for specialization in print or studio production.

#### I. General Education Core (15-16)

##### Area A: Communication (6 credits)

ENG 101 Composition I - with a grade of C or better (3)

COMM 101 Principles of Communication (3)

##### Area B: Humanities and Fine Arts (3 credits)

Select one course from Area B (3)

##### Area C: Mathematics (demonstrated competence required)

Placement into MATH 095 or completion of MATH 090 - with a grade of C or better

##### Area D: Physical and Life Sciences (3-4 credits)

Select one course from Area D (3-4)

##### Area E: Social and Behavioral Science (3 credits)

Select one course from Area E (3)

#### II. Program Requirements (42)

ART 101 Two Dimensional Design (3)

ART 104 Drawing I (3)

ART 126 History of Photography (3)

PHOTO 171 Introduction to Photography (3)

PHOTO 175 Basic Lighting Skills (3)

PHOTO 180 Digital Imaging (3)

PHOTO 297 Professional Portfolio (3)

##### Art Elective:

Select 3 credits:

ART 121 History of Western Art I (3)

ART 122 History of Western Art II (3)

ART 129 Art Appreciation (3)

ART 131 Survey of Non-Western Art (3)

##### Specialization Option:

Select 18 credits:

PHOTO 196 Careers in Photography (1)

PHOTO 267 Video Production (4)

PHOTO 268 Event and Wedding Photography (4)

PHOTO 276 Commercial Techniques (4)

PHOTO 282 Fine Art Process (3)

PHOTO 283 Portraiture (3)

PHOTO 285 Digital Color Production (3)

PHOTO 286 Independent Photo Project (3)

PHOTO 287 Independent Photo Studio (3)

PHOTO 291 Survey of Contemporary Photography (3)

PHOTO 292 Photo Workshop: Special Topics (4)

PHOTO 293 Advanced Portraiture (3)

PHOTO 298 Seminar (1)

PHOTO 299 Internship (3)

#### III. Electives (3)

Select 3 credits from any courses in ART, PHOTO, or GC

#### Program Total: 60-61 credits

## Photography

### Certificate

This program builds a technical and visual foundation using photographic techniques while encouraging students to become effective communicators with their cameras.

#### Program Requirements

ART 101 Two Dimensional Design (3)

PHOTO 171 Introduction to Photography (3)

PHOTO 175 Basic Lighting Skills (3)

PHOTO 180 Digital Imaging (3)

PHOTO 196 Careers in Photography (1)

PHOTO 285 Digital Color Production (3)

PHOTO 291 Survey of Contemporary Photography (3)

#### Program Total: 19 credits

## Portrait Photography

### Certificate

This program is designed to prepare students in specific photographic techniques of portrait photography. Participants gain substantial experience creating successful studio and location portraits while working in a professional studio/lab environment.

#### Program Requirements

PHOTO 171 Introduction to Photography (3)

PHOTO 175 Basic Lighting Skills (3)

PHOTO 180 Digital Imaging (3)

PHOTO 283 Portraiture (3)

PHOTO 285 Digital Color Production (3)

PHOTO 293 Advanced Portraiture (3)

PHOTO 297 Professional Portfolio (3)

#### Program Total: 21 credits

## CAREER Cooperative Program

Prairie State College is a partner in CAREER (Comprehensive Agreement Regarding the Expansion of Educational Resources) Cooperative with the community colleges listed below. If PSC does not offer a particular degree or certificate program, residents of PSC District 515 may apply for a Cooperative Agreement. Upon approval, residents can enroll at any of these colleges. If accepted into the desired program they will be charged the in-district tuition rate at these partner colleges.

Applications must be received at PSC 30 days prior to the beginning of the semester at the college the student will be attending. Developmental course work (courses below 100 level) and required prerequisites must be completed at PSC.

A 2.0 grade point average must be maintained at PSC before a cooperative agreement will be approved. Individual courses are not eligible for cooperative agreements nor are programs that are generally considered to be baccalaureate oriented. In addition, repeated courses are not covered under these agreements.

Courses taken which are not part of the approved program will not be honored for the cooperative agreement. That is, the entire out-of-district tuition for such courses must be borne by the student. Students who change to programs of study outside of these existing agreements will be billed at out-of-district tuition for all course work. Community colleges often have comparable programs. Cooperative agreements are granted at the discretion of PSC and will not be granted for comparable programs.

For more information about specific programs, contact the college where the program is offered. For more information about the CAREER application process, call (708) 709-3505.

### Community Colleges Part of a CAREER Cooperative Program

- Black Hawk College
- Carl Sandburg College
- Danville Community College
- Elgin Community College
- Heartland Community College
- Highland Community College
- Illinois Central College
- Illinois Valley Community College
- John Wood Community College
- Joliet Junior College
- Kankakee Community College
- Kaskaskia College
- Kishwaukee College
- Lake Land College
- Lewis and Clark Community College
- Lincoln Land Community College
- McHenry County College
- Moraine Valley Community College
- Morton College
- Prairie State College
- Rend Lake College

- Richland Community College
- Rock Valley College
- Sauk Valley Community College
- South Suburban College
- Southwestern Illinois College
- Spoon River College
- Waubonsee Community College

## Tech Prep College Credit for High School Students

Just as Advanced Placement (AP) courses provide a way to earn college credit in subjects such as English, History, and the Sciences, Tech Prep is a national program that grants college credit in career and technical disciplines. Its purpose is to prepare any student to enter and succeed in a career as well as further his or her education beyond high school.

Depending on the courses offered at the particular high school and the articulation (dual-credit) agreements made with PSC, Tech Prep courses include (but are not limited to) the following subjects: Business, Child Development, Industrial Technology (Automotive Technology, Welding, and more), and Information Technology. If you are a high school student, contact your school's guidance office or career administrator for more information. High school career administrators work with the Career Preparation Network, the consortium that coordinates Tech Prep programs in PSC's District 515:

Career Preparation Network  
 Tom Hysell, Director  
 Prairie State College - ATOC  
 202 South Halsted Street  
 Chicago Heights, IL 60411  
 phone: (708) 709-7905  
 fax: (708) 709-7904  
 e-mail: thysell@yahoo.com