# CATALOG | 2012-2013

## Academic Programs

**Bergen**
COMMUNITY COLLEGE

www.bergen.edu

# Courses·Approved For General Education

The following courses approved for the purposes of general education at Bergen Community College are regarded as general education courses at many, but not all, other colleges and universities in New Jersey and other states. To determine which of the following courses will meet general education requirements at New Jersey colleges or universities, see NJ Transfer (*www.njtransfer.org*). Students interested in transferring to out-of-state schools should consult the catalogs and websites of those institutions.

The development of critical thinking and writing skills is essential to a student's success in the Bergen Community College General Education Program. Therefore, the College's general education courses provide students with the opportunity to develop these skills through a variety of appropriate critical thinking and writing assignments.

**Students are advised to review the specific general education requirements in their respective programs of study.**

## I. COMMUNICATION

| | |
|---|---|
| COM100 | Speech Communication |
| COM102 | Public Speaking |
| WRT101 | English Composition I |
| WRT201 | English Composition II |
| WRT202 | Technical Writing |
| | (for AAS degree programs only) |

## II. COMPUTER SCIENCE

| | |
|---|---|
| CIS158 | Intro to Computer Science |
| CIS165 | Fundamentals of Programming |

## III. HUMANITIES

### ARTS AND MEDIA

| | |
|---|---|
| ART101 | Introduction to Art and Visual Culture |
| ART102 | History of Art and Visual Culture to 1400 |
| ART103 | History of Art and Visual Culture, 1400 to 1900 |
| ART104 | Modern Art, 1890–1940 |
| ART107 | History of Photography |
| ART110 | Contemporary Art since 1940 |
| MUS101 | Music Appreciation |
| MUS107 | Music History I |
| MUS108 | Music History II |
| MUS/THR109 | History of Musical Theatre |
| MUS110 | Music, Art, and Drama |
| THR101 | Introduction to Theatre |
| THR/CIN140 | Introduction to Cinema |

### HISTORY

| | |
|---|---|
| HIS101 | History of Western Civ to the Reformation |
| HIS102 | History of Western Civ since the Reformation |
| HIS105 | Women in History |
| HIS106 | History of Modern Europe to the French Revolution |
| HIS107 | History of Mod Europe since the French Revolution |
| HIS111 | US History to Reconstruction |
| HIS112 | US History since Reconstruction |
| HIS113 | History of 20th Century US to World War II |
| HIS114 | History of 20th Century US since World War II |
| HIS116 | Women in American History |
| HIS121 | Modern Asian History |
| HIS126 | Modern African History |
| HIS130 | Latin American History to Independence |
| HIS131 | Latin American History since Independence |

### LITERATURE

| | |
|---|---|
| LIT201 | American Lit to 1880 |
| LIT202 | American Lit, 1880-Pres |
| LIT203 | World Lit to 1650 |
| LIT204 | World Lit, 1650-Present |
| LIT205 | English Lit to 1800 |
| LIT206 | English Lit, 1800-Pres |
| LIT215 | Black Literary Voice in America |
| LIT216 | European Lit to 1650 |
| LIT217 | European Lit, 1650-Pres |
| LIT218 | American Ethnic Lit |
| LIT221 | Shakespeare |
| LIT226 | Intro to the Novel |
| LIT227 | Intro to Poetry |
| LIT228 | Women in Literature |

### PHILOSOPHY AND RELIGION

| | |
|---|---|
| PHR100 | Reasoning |
| PHR101 | Introduction to Philosophy |
| PHR102 | Contemporary Moral Issues |
| PHR103 | Basic Logic |
| PHR106 | Eastern Philosophy |
| PHR107 | Intro to the Philosophy of Art |
| PHR110 | Intro to Ethical Theory |
| PHR111 | Social & Political Philosophy |
| PHR120 | Introduction to Religion |
| PHR121 | Religions of the World |

### WORLD LANGUAGES AND CULTURES

| | |
|---|---|
| LAN170 | American Sign Lang I |
| LAN270 | American Sign Lang II |
| LAN271 | Intermed Amer Sign Lang I |
| LAN272 | Intermed Amer Sign Lang II |
| LAN115 | Arabic I |
| LAN255 | Arabic II |
| LAN 256 | Intermediate Arabic I |
| LAN 257 | Intermediate Arabic II |
| LAN275 | Chinese (Mandarin) I |
| LAN276 | Chinese (Mandarin) II |
| LAN277 | Intermed Chinese (Mandarin) I |
| LAN278 | Intermed Chinese (Mandarin) II |
| LAN110 | French I |
| LAN200 | French II |
| LAN201 | Intermediate French I |
| LAN202 | Intermediate French II |
| LAN203 | French Conversation |
| LAN111 | German I |
| LAN210 | German II |
| LAN211 | Intermediate German I |
| LAN212 | Intermediate German II |
| LAN213 | German Conversation |
| LAN180 | Hebrew I |
| LAN280 | Hebrew II |
| LAN144 | Irish I |
| LAN244 | Irish II |
| LAN245 | Intermediate Irish |
| LAN112 | Italian I |
| LAN220 | Italian II |
| LAN221 | Intermediate Italian I |
| LAN222 | Intermediate Italian II |
| LAN223 | Italian Conversation |
| LAN120 | Japanese I |
| LAN260 | Japanese II |
| LAN261 | Intermediate Japanese I |
| LAN262 | Intermediate Japanese II |
| LAN165 | Korean I |
| LAN265 | Korean II |
| LAN266 | Intermediate Korean I |
| LAN119 | Latin I |
| LAN289 | Latin II |
| LAN114 | Russian I |
| LAN240 | Russian II |
| LAN241 | Intermediate Russian I |
| LAN242 | Intermediate Russian II |
| LAN113 | Spanish I |
| LAN230 | Spanish II |
| LAN231 | Intermediate Spanish I |
| LAN232 | Intermediate Spanish II |
| LAN233 | Spanish Conversation |
| LAN228 | Elementary Spanish for Heritage Speakers |
| LAN229 | Intermediate Spanish for Heritage Speakers |

## IV. TECHNOLOGICAL COMPETENCY

| | |
|---|---|
| INF101 | Intro to Information Tech |

## V. MATHEMATICS

| | |
|---|---|
| MAT130 | Contemporary Mathematics |
| MAT150 | Statistics I |
| MAT155 | Finite Mathematics |
| MAT180 | Pre-calculus |
| MAT223 | Calculus for Managerial and Social Sciences |
| MAT250 | Statistics II |
| MAT280 | Calculus I |
| MAT281 | Calculus II |
| MAT282 | Calculus III |

## VI. NATURAL SCIENCES

### BIOLOGY

| | |
|---|---|
| BIO101 | General Biology I* |
| BIO103 | The Human Body* |
| BIO104 | Microbiology* |
| BIO107 | Intro to Human Biology* |
| BIO108 | Intro to Environmental Bio* |
| BIO109 | Anat & Physio I*† |
| BIO209 | Anat & Physio II*† |
| BIO130 | People-Plant Relations |
| BIO131 | General Botany* |
| BIO203 | General Biology II* |

### CHEMISTRY

| | |
|---|---|
| CHM100 | Intro to Chemistry* |
| CHM102 | Chemistry in Context* |
| CHM112 | College Chem* |
| CHM140 | Gen Chem I* |
| CHM141 | Gen Chem I-Lab* |
| CHM240 | General Chem II* |
| CHM241 | General Chem II-Lab* |

### PHYSICS & PHYSICAL SCIENCES

| | |
|---|---|
| PHY100 | Energy and Society |
| PHY111 | Astronomy* |
| PHY112 | Climatology* |
| PHY113 | Geology* |
| PHY114 | Meteorology |
| PHY185 | Intro to Physics* |
| PHY186 | General Physics I* |
| PHY280 | Physics I* |
| PHY286 | General Physics II* |
| PHY290 | Physics II* |
| PHY291 | Physics III* |

## VII. SOCIAL SCIENCES

### ANTHROPOLOGY

| | |
|---|---|
| ANT100 | Intro to Anthropology |
| ANT101 | Cultural Anthropology |

### ECONOMICS

| | |
|---|---|
| ECO101 | Macroeconomics |
| ECO201 | Microeconomics |

### GEOGRAPHY

| | |
|---|---|
| GEO101 | World Geography |
| GEO102 | Human Geography |

### POLITICAL SCIENCE

| | |
|---|---|
| POL101 | American Government |
| POL102 | International Relations |
| POL103 | Mod Political Ideologies |
| POL104 | State and Local Govt. |
| POL107 | Introduction to Politics |

### PSYCHOLOGY

| | |
|---|---|
| PSY101 | General Psychology |
| PSY106 | Developmental Psych |
| PSY201 | Child Psychology |

### SOCIOLOGY

| | |
|---|---|
| SOC101 | Sociology |
| SOC103 | Soc of the Family |
| SOC113 | Social Problems |
| SOC120 | Soc of Gender Roles |
| SOC222 | Ethnic and Minority Group Relations |

## VIII. DIVERSITY COURSES

### ANTHROPOLOGY

| | |
|---|---|
| ANT100 | Intro to Anthropology |
| ANT101 | Cultural Anthropology |

### ARTS and MEDIA

| | |
|---|---|
| CIN160 | Women in Cinema |

### COMMUNICATION

| | |
|---|---|
| COM114 | Intercultural Communication |

### GEOGRAPHY

| | |
|---|---|
| GEO101 | World Geography |
| GEO102 | Human Geography |

### HISTORY

| | |
|---|---|
| HIS105 | Women in History |
| HIS116 | Women in American History |
| HIS121 | Modern Asian History |
| HIS126 | Modern African History |
| HIS130 | Latin American History to Independence |
| HIS131 | Latin American History since Independence |

### LITERATURE

| | |
|---|---|
| LIT203 | World Lit to 1650 |
| LIT204 | World Lit, 1650-Present |
| LIT215 | Black Literary Voice in America |
| LIT218 | American Ethnic Lit |
| LIT223 | Contemporary Latin American Literature |
| LIT224 | Topics in Internatl Lit |
| LIT228 | Women in Literature |

### PHILOSOPHY and RELIGION

| | |
|---|---|
| PHR106 | Eastern Philosophy |
| PHR121 | Religions of the World |
| PHR122 | Women and Religion |
| PHR124 | Christian Scriptures |
| PHR125 | Hebrew Scriptures |
| PHR126 | Islamic Scriptures |

### PSYCHOLOGY

| | |
|---|---|
| PSY110 | Psychology of Sexuality |
| PSY123 | Cross-Cultural Psychology |
| PSY207 | Psychology of Women |
| PSY210 | Social Psychology |

### SOCIOLOGY

| | |
|---|---|
| SOC120 | Soc of Gender Roles |
| SOC121 | Changing Roles of Women |
| SOC222 | Ethnic and Minority Group Relations |

* Lab Science Elective. To receive full gen ed credit for CHM140, a student must also take CHM141, and for CHM240, a student must also take CHM241.

† Some colleges may require both BIO109 and BIO209 before transfer credit is awarded.

## AA Degree Program(s) in Liberal Arts

| Curriculum Requirements | | |
|---|---|---|
| **Program: Liberal Arts – General Curriculum**<br>**Degree: Associate in Arts**<br>**Code: AA.LA.GEN** | | |
| **Area of Study** | **Credits** | **Course Description** |
| Communication | 9 | WRT101 English Composition I (3 cr.)<br>WRT201 English Composition II (3 cr.)<br>COM100 Speech Communication (3 cr.) or COM102 Public Speaking (3 cr.) |
| History | 6 | Two general education courses (6 cr.) in History (HIS) |
| Humanities | 9 | Three general education courses (9 cr.) to be selected from the following fields, with no more than two courses (6 cr.) in any one field:<br>Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN])<br>Literature (LIT)<br>Philosophy and Religion (PHR)<br>World Languages and Cultures (LAN) |
| Social Sciences | 6 | Two general education courses (6 cr.) to be selected from the following fields, with no more than one course (3 cr.) in any one field:<br>Economics (ECO)<br>Geography (GEO)<br>Political Science (POL)<br>Psychology (PSY)<br>Sociology (SOC) and Anthropology (ANT) |
| Mathematics, Natural Sciences, and Technology | 12-14 | One 4-cr. general education course in Mathematics (MAT);<br>or two 3-cr. general education courses in Mathematics (MAT);<br>or one 3-cr. general education course in Mathematics (MAT) and one 3-cr. general education course in either Computer Science (CIS) or Information Technology (INF)<br><br>Two general education courses (8 cr.) to be selected from the following fields:<br>Biology (BIO)<br>Chemistry (CHM)<br>Physics (PHY) |
| Diversity Requirement* | 3 | In completing the BCC General Education Program, a student must take and pass one 3-credit course in gender studies, non-Western history or thought, and/or cultural diversity.<br><br>Choose from the list of Diversity Courses on the General Education course list – see page 1, above. |
| **Total GE Credits:** | **45-47** | |
| AA/LA Program and Program Support Requirements | 15 | Two or three courses (6-9 cr.) to be selected from the following fields:<br>Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN])<br>History (HIS)<br>Literature (LIT)<br>Philosophy and Religion (PHR)<br>World Languages and Cultures (LAN)<br><br>Two or three courses (6-9 cr.) to be selected from the following fields:<br>Economics (ECO)<br>Geography (GEO)<br>Political Science (POL)<br>Psychology (PSY)<br>Sociology (SOC) and Anthropology (ANT) |
| Free Electives | 2-6 | Programs can make recommendations in footnotes. |
| **Total Credits** | **64-66** | |

*Selection of a Diversity Course in History will not reduce the 6-credit Foundation Requirement in History – in that event, the student will end up with a total of 9 Foundation credits in History; selection of a Diversity Course in Humanities will not reduce the 9-credit Foundation requirement in Humanities – in that event, the student will end up with a total of 12 Foundation credits in the Humanities; and selection of a Diversity course in the Social Sciences will not reduce the 6-credit Foundation Requirement in Social Sciences – in that event, the student will end up with a total of 9 Foundation credits in the Social Sciences. In any event, s/he must meet the total Foundation requirement of 45-47 credits.

**Program: Liberal Arts – General Curriculum**
**Degree: Associate in Arts**
**Code: AA.LA.GEN**

## GENERAL EDUCATION REQUIREMENTS 45-47

| | | |
|---|---|---|
| **Communication** | | **9** |
| COM... COM100 Speech Communication or | | 3 |
| COM102 Public Speaking | | |
| WRT101 English Composition I | | 3 |
| WRT201 English Composition II | | 3 |
| | | |
| **History Electives*** | | **6** |
| | | |
| **Humanities Electives**** | | **9** |

Three general education courses selected from the following
fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR);
World Languages and Cultures (LAN).

**Social Science Electives*** **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| | |
|---|---|
| **Mathematics, Natural Sciences, & Technology** | **12-14** |
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |
| | |
| **Diversity Elective*** | **3** |

## PROGRAM REQUIREMENTS 15
Two or three courses (6-9 cr.) to be selected from
the following fields: Arts (Art [ART], Music [MUS],
Theatre Arts [THR], Cinema Studies [CIN]); History (HIS);
Literature (LIT); Philosophy and Religion (PHR); World
Languages and Cultures (LAN).

Two or three courses (6-9 cr.) to be selected from
the following fields: Economics (ECO); Geography (GEO);
Political Science (POL); Psychology (PSY); Sociology (SOC)
and Anthropology (ANT).

**FREE ELECTIVES** **2-6**

**TOTAL CREDITS** **64-66**

## RECOMMENDED SEMESTER SEQUENCE

| First Semester | | |
|---|---|---|
| HIS... | History Elective* | 3 |
| ...... | Humanities Elective** | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

| Second Semester | | |
|---|---|---|
| HIS... | History Elective* | 3 |
| ...... | Humanities Elective** | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Social Science Elective* | 3 |
| ...... | Diversity Elective* | 3 |
| | | 18-19 |

| Third Semester | | |
|---|---|---|
| ...... | Humanities Elective** | 3 |
| ...... | Humanities Elective | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| ...... | Social Science Elective | 3 |
| | | 16 |

| Fourth Semester | | |
|---|---|---|
| ...... | Humanities Elective | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective | 3 |
| ...... | Humanities or Social Science Elective | 3 |
| ...... | Free Elective‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡Recommended. IST123 Success 101.

Program: Liberal Arts – Cinema Studies Option
Degree: Associate in Arts
Code: AA.LA.CINST

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| **History Electives\*** | 6 |
|---|---|

| **Humanities Electives\*\*** | 9 |
|---|---|
| CIN140 Introduction to Cinema | 3 |
| General Education Humanities course (but not in History [HIS]).\*\* | 3 |
| General Education Humanities course (but not in History [HIS] & not in the Arts [ART, MUS,THR, CIN)].\*\*\* | 3 |

| **Social Science Electives\*** | 6 |
|---|---|
| Two general education courses selected from the following fields, with no more than one course in any one field: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). | |

| **Mathematics, Natural Sciences, & Technology** | 12-14 |
|---|---|
| Mathematics\* | 3-4 |
| Mathematics or Computer Science or Information Technology\* | 0-3 |
| Natural Science Electives\* | 8 |

| **Diversity Elective\*** | 3 |
|---|---|

| **PROGRAM REQUIREMENTS** | 15 |
|---|---|
| CIN150 Special Topics in Cinema I | 3 |
| CIN120 Special Topics in Cinema II | 3 |
| CIN160 Women in Cinema or CIN170 American Cinema | 3 |

| Social Science Electives | 6 |
|---|---|
| Two courses (6-9 cr.) to be selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). | |

| **FREE ELECTIVES** | 2-6 |
|---|---|
| **TOTAL CREDITS** | 64-66 |

**First Semester**

| CIN140 | Introduction to Cinema | 3 |
|---|---|---|
| HIS... | History Elective\* | 3 |
| MAT... | Mathematics Elective\*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| CIN150 | Special Topics in Cinema I | 3 |
|---|---|---|
| ...... | Humanities Elective\*\* | 3 |
| MAT/CIS/INF... | Mathematics or Computer Science or Information Technology Elective\*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Social Science Elective\* | 3 |
| ...... | Diversity Elective\* | 3 |
| | | 18-19 |

**Third Semester**

| HIS... | History Elective\* | 3 |
|---|---|---|
| CIN... | CIN160 Women in Cinema or CIN170 American Cinema | 3 |
| ...... | Natural Science Elective\* | 4 |
| ...... | Social Science Elective\* | 3 |
| ...... | Social Science Elective | 3 |
| | | 16 |

**Fourth Semester**

| CIN150 | Special Topics in Cinema II | 3 |
|---|---|---|
| ...... | Natural Science Elective\* | 4 |
| ...... | Social Science Elective | 3 |
| ...... | Humanities Elective\*\*\* | 3 |
| ...... | Free Elective‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**
\*General Education Elective(s) – see page 1.
\*\*General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.
\*\*\*General Education Electives in Literature (LIT), Philosophy & Religion (PHR), or World Languages & Cultures (LAN) – see page 1.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡Recommended: IST123 Success 101.

**Program: Liberal Arts – Communication Option**
**Degree: Associate in Arts**
**Code: AA.LA.COMM**

## GENERAL EDUCATION REQUIREMENTS — 45-47

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or<br>    COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**History Electives\*** — 6

**Humanities Electives\*\*** — 9
Three general education courses selected from the following
fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR);
World Languages and Cultures (LAN).

**Social Science Electives\*** — 6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| Mathematics, Natural Sciences, & Technology | 12-14 |
|---|---|
| Mathematics\* | 3-4 |
| Mathematics or Computer Science or Information Technology\* | 0-3 |
| Natural Science Electives\* | 8 |

| Diversity Course | 3 |
|---|---|
| COM114 Intercultural Communication | 3 |

| PROGRAM REQUIREMENTS | 15 |
|---|---|
| • Two Communication (COM) courses (6 cr.).\*\*\* | 6 |
| • One or two courses (3-6 cr.) to be selected from<br>the following fields: Arts (Art [ART], Music [MUS],<br>Theatre Arts [THR], Cinema Studies [CIN]);<br>History (HIS); Literature (LIT); Philosophy and<br>Religion (PHR); Languages and Cultures (LAN). | 3-6 |
| • One or two courses (3-6 cr.) to be selected from<br>the following fields: Economics (ECO); Geography<br>(GEO); Political Science (POL); Psychology (PSY);<br>Sociology (SOC) and Anthropology (ANT). | 3-6 |

**FREE ELECTIVES** — 2-6

**TOTAL CREDITS** — 64-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| HIS... | History Elective\* | 3 |
| ...... | Humanities Elective\*\* | 3 |
| MAT... | Mathematics Elective\*† | 3-4 |
| COM... | COM100 Speech Communication<br>or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| HIS... | History Elective\* | 3 |
| ...... | Humanities Elective\*\* | 3 |
| MAT/CIS/<br>INF... | Mathematics or Computer Science or<br>Information Technology Elective\*†<br>or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Social Science Elective\* | 3 |
| COM114 | Intercultural Communication<br>(General Education Diversity Course) | 3 |
| | | 18-19 |

**Third Semester**

| | | |
|---|---|---|
| ...... | Humanities Elective\*\* | 3 |
| ...... | Humanities Elective | 3 |
| ...... | Natural Science Elective\* | 4 |
| ...... | Social Science Elective\* | 3 |
| COM... | Communication Elective\*\*\* | 3 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| ...... | Humanities Elective | 3 |
| ...... | Natural Science Elective\* | 4 |
| ...... | Social Science Elective | 3 |
| COM... | Communication Elective\*\*\* | 3 |
| ...... | Free Elective‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**
\*General Education Elective(s) – see page 1.
\*\*General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages &
Cultures (LAN) – see page 1.
\*\*\*Take any of the following Communication courses: COM101; COM102; COM103; COM116; COM119; COM122; COM213.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective
in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester
Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may
be a second Mathematics elective).
‡Recommended: IST123 Success 101 or another Communication course.

**Program: Liberal Arts – Economics Option**
**Degree: Associate in Arts**
**Code: AA.LA.ECON**

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|
| **Communication** | **9** |
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |
| **History Electives*** | **6** |
| **Humanities Electives**** | **9** |

Three general education courses selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

| | |
|---|---|
| **Social Sciences** | **6** |
| ECO101 Macroeconomics | |
| ECO201 Microeconomics | |
| **Mathematics, Natural Sciences, & Technology** | **12-14** |
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |
| **Diversity Elective‡** | **3** |
| **PROGRAM REQUIREMENTS** | **15** |
| Program Electives – three courses to be selected from the following: ECO103; ECO105; ECO461-462; POL101; PSY101; SOC101. | 9 |
| Humanities Electives – two courses to be selected from the following fields: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). | 6 |
| **FREE ELECTIVES** | **2-6** |
| **TOTAL CREDITS** | **64-66** |

### RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| ECO101 | Macroeconomics | 3 |
| ...... | Humanities Elective** | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| ECO201 | Microeconomics | 3 |
| HIS... | History Elective* | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Diversity Elective‡ | 3 |
| | | 18-19 |

**Third Semester**

| | | |
|---|---|---|
| ..... | Program Electives*** | 6 |
| HIS... | History Elective* | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Natural Science Elective* | 4 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| ..... | Program Elective*** | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Electives**** | 6 |
| ...... | Free Electives‡‡ | 2-4 |
| | | 15-17 |

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**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.
***Choose from the following: ECO103; ECO105; ECO461-462; POL101; PSY101; SOC101.
****Electives in Arts (ART, MUS,THR, CIN); History (HIS); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN).
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡General Education Diversity Course Elective – see page 1. Recommended: GEO101; HIS121; SOC120; SOC121; SOC122.
‡‡Recommended: IST123 Success 101 or one of the following: another Economics course or BNF101, BNF201, or BNF207.

**Program: Liberal Arts – Global Studies Option**
**Degree: Associate in Arts**
**Code: AA.LA.GLOBAL.STUD**

Students are strongly encouraged to participate in a study abroad program while earning credits toward their degree. It is recommended that students investigate this option early in their course selection.

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|

| **Communication** | **9** |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| **History Electives**\*\* | **6** |
|---|---|

| **Humanities** | **9** |
|---|---|
| LAN... Language Electives* | 6 |
| PHR... Philosophy/Religion Elective‡‡ | 3 |

| **Social Science** | **6** |
|---|---|
| POL102 International Relations or POL103 Modern Political Ideologies | 3 |
| SOC101 Sociology | 3 |

| **Mathematics, Natural Sciences, & Technology** | **12-14** |
|---|---|
| Mathematics*** | 3-4 |
| Mathematics or Computer Science or Information Technology*** | 0-3 |
| Natural Science Electives*** | 8 |

| **Diversity Course:** ANT101  Cultural Anthropology | 3 |
|---|---|

| **PROGRAM REQUIREMENTS** | **15** |
|---|---|
| LAN... Language Electives* | 6 |
| LIT... Literature Elective‡ | 3 |
| GEO101 World Geography | 3 |
| SOC222 Ethnic & Minority Group Relations | 3 |

| **FREE ELECTIVES** | **3-6** |
|---|---|

| **TOTAL CREDITS** | **65-66** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| LAN... | Language Elective* | 3 |
|---|---|---|
| HIS... | History Elective** | 3 |
| MAT... | Mathematics Elective**† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| LAN... | Language Elective* | 3 |
|---|---|---|
| HIS... | History Elective** | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective***† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| SOC101 | Sociology | 3 |
| ANT101 | Cultural Anthropology | 3 |
| | | 18-19 |

**Third Semester**

| LAN... | Language Elective* | 3 |
|---|---|---|
| LIT... | Literature Elective‡ | 3 |
| PHR... | Philosophy/Religion Elective‡‡ | 3 |
| ...... | Natural Science Elective*** | 4 |
| POL102 | International Relations or | 3 |
| POL103 | Modern Political Ideologies | |
| | | 16 |

**Fourth Semester**

| LAN... | Language Elective* | 3 |
|---|---|---|
| GEO101 | World Geography | 3 |
| SOC222 | Ethnic & Minority Group Relations | 3 |
| ...... | Natural Science Elective*** | 4 |
| ...... | Free Elective‡‡‡ | 3 |
| | | 16 |

**Specific Program Notes**
*World Language Electives: Any General Education LAN Level I or higher course. Students may take four semesters of the same language or two semesters each of two different languages – see Page 1.
**Choose from HIS101, HIS102, HIS106, HIS107, HIS121, HIS124, HIS126, HIS131, HIS135, or HIS145.
***General Education Elective(s) – see page 1.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡Choose from LIT203, LIT204, LIT223, or LIT224
‡‡Choose from PHR106, PPR121, PHR124, PHR125, or PHR126.
‡‡‡Recommended: IST123 Success 101 or another Language (LAN) course.

**Program: Liberal Arts – History Option**
**Degree: Associate in Arts**
**Code: AA.LA.HIST**

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|
| **Communication** | **9** |
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**History Core Survey\*** — **6**
One of the following 6-credit sequences is recommended:
HIS101-HIS102 Western Civilization
HIS111-HIS112 United States History
However, one of the following 6-credit sequences is
also acceptable:
HIS106-HIS107 Modern Europe
HIS113-HIS114 20th Century United States
HIS130-HIS131 Latin American History

| **Humanities** | **9** |
|---|---|
| Philosophy or Religion (PHR) Elective | 3 |
| General Education Humanities course (but not in History [HIS])\*\*\* | 3 |
| General Education Humanities course (but not in History [HIS] and not in Philosophy & Religion [PHR])\*\*\*\* | 3 |

**Social Science Electives\*\*‡** — **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) & Anthropology (ANT).

| **Mathematics, Natural Sciences, & Technology** | **12-14** |
|---|---|
| Mathematics\*\* | 3-4 |
| Mathematics or Computer Science or Information Technology\*\* | 0-3 |
| Natural Science Electives\*\* | 8 |

| **Diversity Course:** GEO101 World Geography | **3** |
|---|---|

| PROGRAM REQUIREMENTS | 15 |
|---|---|
| Three electives in History (HIS) | 9 |
| Social Science Electives‡ | 6 |

Two courses (6 cr.) to be selected from the
following fields: Economics (ECO); Geography (GEO);
Political Science (POL); Psychology (PSY);
Sociology (SOC) & Anthropology (ANT).

| FREE ELECTIVES | 2-6 |
|---|---|
| **TOTAL CREDITS** | **64-66** |

### RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| HIS,,, | History Core Survey\* | 3 |
|---|---|---|
| MAT... | Mathematics Elective\*\*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| GEO101 | World Geography | 3 |
| | | 15-16 |

**Second Semester**

| HIS,,, | History Core Survey\* | 3 |
|---|---|---|
| HIS... | History Elective | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective\*\*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective (but not in History [HIS])\*\*\* | 3 |
| ...... | Social Science Elective\*\*‡ | 3 |
| | | 18-19 |

**Third Semester**

| HIS... | History Elective | 3 |
|---|---|---|
| PHR... | Philosophy or Religion Elective | 3 |
| ...... | Humanities Elective (but not in History [HIS] & not in Philosophy & Religion [PHR])\*\*\*\* | 3 |
| ...... | Natural Science Elective\*\* | 4 |
| ...... | Social Science Elective\*\*‡ | 3 |
| | | 16 |

**Fourth Semester**

| HIS... | History Elective | 3 |
|---|---|---|
| ...... | Natural Science Elective\*\* | 4 |
| ...... | Social Science Electives‡ | 6 |
| ...... | Free Elective‡‡ | 2-4 |
| | | 15-17 |

| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective\*† | 3-4 |
|---|---|---|

**Specific Program Notes**
\*History concentrators must complete 15 credits in history. This includes a one-year, 6-credit core sequence in a single field of study. HIS101-102 or HIS111-112 is recommended, but any one of the following is also acceptable: HIS113-114, HIS120-121, or HIS130-131. Students are encouraged to take a broad range of history courses, both chronologically and geographically.
\*\*General Education Elective(s) – see page 1.
\*\*\*General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.
\*\*\*\*General Education Electives in Arts (ART, MUS,THR, CIN), Literature (LIT), or World Languages & Cultures (LAN) – see page 1.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡Recommended: courses in Anthropology (ANT), Sociology (SOC), and Economics (ECO).
‡‡Recommended: IST123 Success 101 or another History course.

**Program: Liberal Arts – Latin American Studies Option**
**Degree: Associate in Arts**
**Code: AA.LA.LAS**

Students are strongly encouraged to participate in a study abroad program while earning credits toward their degree. It is recommended that students investigate this option early in their course selection.

## GENERAL EDUCATION REQUIREMENTS — 45-47

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| History | 6 |
|---|---|
| HIS102 History of Western Civ since the Reformation | 3 |
| HIS111 US History to Reconstruction | 3 |

| Humanities | 9 |
|---|---|
| LAN231 or LAN228 | 3 |
| LAN232 or LAN229 | 3 |
| PHR111 Social & Political Philosophy | 3 |

| Social Sciences | 6 |
|---|---|
| GEO101 World Geography | 3 |
| POL102 International Relations | 3 |

| Mathematics, Natural Sciences, & Technology | 12-14 |
|---|---|
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |

| Diversity Course: HIS131 Latin American History since Independence | 3 |
|---|---|

| PROGRAM REQUIREMENTS | 15 |
|---|---|
| ECO101 Macroeconomics | 3 |
| HIS130 Latin American History to Independence or HIS132 The Spanish Speaking Caribbean and Central America since 1898 | 3 |
| LAN233 Spanish Conversation | 3 |
| LIT223 Contemporary Latin American Literature or LAN236 Survey of Spanish-American Literature | 3 |
| SOC222 Ethnic &Minority Group Relations | 3 |

| FREE ELECTIVES | 2-6 |
|---|---|

| TOTAL CREDITS | 64-66 |
|---|---|

### RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| HIS102 | History of Western Civilization since the Reformation | 3 |
| PHR111 | Social & Political Philosophy | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| HIS111 | US History to Reconstruction | 3 |
| POL102 | International Relations | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| GEO101 | World Geography | 3 |
| HIS130 | Latin American History to Independence or | 3 |
| HIS132 | The Spanish Speaking Caribbean and Central America since 1898 | |
| | | 18-19 |

**Third Semester**

| | | |
|---|---|---|
| HIS131 | Latin American History since Independence | 3 |
| LAN231... | Intermediate Spanish I or | 3 |
| LAN228 | Elem Span for Heritage Speakers | |
| ...... | Natural Science Elective* | 4 |
| ECO101 | Macroeconomics | 3 |
| ...... | LIT223 Contemporary Latin American Literature or LAN236 Survey of Spanish-American Literature | 3 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| SOC222 | Ethnic &Minority Group Relations | 3 |
| ...... | Natural Science Elective* | 4 |
| LAN... | LAN232 Intermediate Spanish II or LAN229 Intermediate Spanish for Heritage Speakers | 3 |
| LAN233 | Spanish Conversation | 3 |
| ...... | Free Elective‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**

*General Education Elective(s) – see page 1.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective). This can also be LAN 113 or LAN 230, depending on language proficiency.
‡Recommended: IST123 Success 101.

Students may take the CLEP exam to earn LAN credits.

**Program: Liberal Arts – Literature**
**Degree: Associate in Arts**
**Code: AA.LA.LIT**

## GENERAL EDUCATION REQUIREMENTS — 45-47

| | | |
|---|---|---|
| **Communication** | | **9** |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| WRT201 | English Composition II | 3 |

| | | |
|---|---|---|
| **History Electives*** | | **6** |

| | | |
|---|---|---|
| **Humanities*** | | **9** |
| LIT... | Literature Sequence Part I** | 3 |
| LIT... | Literature Sequence Part II** | 3 |
| | Humanities Elective (not in Literature & not in History) | 3 |

| | |
|---|---|
| **Social Science Electives*** | **6** |
| Two general education courses selected from the following fields, with no more than one course in any one field: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). | |

| | | |
|---|---|---|
| **Mathematics, Natural Sciences, & Technology** | | **12-14** |
| Mathematics* | | 3-4 |
| Mathematics or Computer Science or Information Technology* | | 0-3 |
| Natural Science Electives* | | 8 |

| | |
|---|---|
| **Diversity Elective*** | **3** |

| | | |
|---|---|---|
| **PROGRAM REQUIREMENTS** | | **15** |
| LIT221 Shakespeare | | 3 |
| LIT... Genre Course | | 3 |
| LIT... Literature Elective | | 3 |
| Two Social Science courses (6 cr.) to be selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT) | | 6 |

| | |
|---|---|
| **FREE ELECTIVES** | **2-6** |

| | |
|---|---|
| **TOTAL CREDITS** | **64-66** |

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| ...... | Humanities Elective* (not in Literature and not in History) | 3 |
| HIS... | History Elective* | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| LIT... | Literature Sequence Part I** | 3 |
| HIS... | History Elective* | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Social Science Elective* | 3 |
| ...... | Diversity Elective*‡ | 3 |
| | | 18-19 |

**Third Semester**

| | | |
|---|---|---|
| LIT... | Literature Sequence Part II** | 3 |
| LIT... | Genre Course*** | 3 |
| LIT... | Literature Elective | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| LIT221 | Shakespeare | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Electives | 6 |
| ...... | Free Elective‡‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**LIT201 & LIT202, LIT203 & LIT204, and LIT205 & LIT206 are sequential courses; students must take two of these courses in sequential order.
***Genre courses include LIT226 Introduction to the Novel and LITXXX Introduction to Poetry (forthcoming).
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡General Education Diversity Course Elective – see page 1. Recommended: LIT215, LIT218, LIT223, or LIT228.
‡‡Recommended: IST123 Success 101 or another Literature course.

**Program: Liberal Arts – Philosophy Option**
**Degree: Associate in Arts**
**Code: AA.LA.PHIL**

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|
| **Communication** | **9** |
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |
| **History Electives*** | **6** |
| **Humanities** | **9** |
| PHR101 Introduction to Philosophy | 3 |
| Philosophy Elective** | 3 |
| Humanities Elective (not in Philosophy or Religion and not in History)* | 3 |
| **Social Science Electives*** | **6** |
| **Mathematics, Natural Sciences, & Technology** | **12-14** |
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |
| **Diversity Elective‡** | **3** |
| **PROGRAM REQUIREMENTS** | **15** |
| Philosophy Electives*** | 9 |
| Social Science Electives*** | 6 |
| **FREE ELECTIVES** | **2-6** |
| **TOTAL CREDITS** | **64-66** |

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| PHR101 | Introduction to Philosophy | 3 |
|---|---|---|
| HIS... | History Elective* | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| PHR... | Philosophy Elective** | 3 |
|---|---|---|
| HIS... | History Elective* | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Social Science Elective* | 3 |
| ...... | Diversity Elective‡ | 3 |
| | | 18-19 |

**Third Semester**

| PHR... | Philosophy Electives*** | 6 |
|---|---|---|
| ...... | Humanities Elective (not in Philosophy or Religion and not In History)* | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| | | 16 |

**Fourth Semester**

| PHR... | Philosophy Elective*** | 3 |
|---|---|---|
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Electives*** | 6 |
| ...... | Free Elective‡‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Elective(s) in Philosophy – see page 1. PHR103 Basic Logic recommended.
***Need not be General Education courses.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡General Education Diversity Course Elective – see page 1. Recommended: PHR106; PHR121; PHR122; PHR124, PHR125; or PHR126.
‡‡Recommended: IST123 Success 101 or another Philosophy course.

**Program: Liberal Arts – Political Science Option**
**Degree: Associate in Arts**
**Code: AA.LA.POLISCI**

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|

| **Communication** | **9** |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| **History Electives*** | **6** |
|---|---|

**Humanities Electives****  **9**
Three general education courses selected from the following
fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR);
World Languages and Cultures (LAN).

| **Social Sciences** | **6** |
|---|---|
| POL101 American Government | |
| POL107 Introduction to Politics | |

| **Mathematics, Natural Sciences, & Technology** | **12-14** |
|---|---|
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |

| **Diversity Elective‡** | **3** |
|---|---|

| **PROGRAM REQUIREMENTS** | **15** |
|---|---|

| Political Science Electives*** | 9 |
|---|---|

Humanities Electives – two courses to be  **6**
selected from the following fields: Arts (Art [ART],
Music [MUS], Theatre Arts [THR], Cinema Studies
[CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

| **FREE ELECTIVES** | **2-6** |
|---|---|

| **TOTAL CREDITS** | **64-66** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| POL107 | Introduction to Politics | 3 |
|---|---|---|
| ...... | Humanities Elective** | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| POL101 | American Government | 3 |
|---|---|---|
| HIS... | History Elective* | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Diversity Elective‡ | 3 |
| | | 18-19 |

**Third Semester**

| POL.. | Political Science Electives*** | 6 |
|---|---|---|
| HIS... | History Elective* | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Natural Science Elective* | 4 |
| | | 16 |

**Fourth Semester**

| POL.. | Political Science Elective*** | 3 |
|---|---|---|
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Electives**** | 6 |
| ...... | Free Electives‡‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.
***Three courses to be selected from the following: POL102 International Relations; POL103 Modern Political Ideologies; POL104 State and Local Government; POL106 Themes in US History 9Modern American Presid3ency); POL116 Labor Law; POL122 Collective Bargaining; POL461-463 Co-op Work Experience (Political Science).
****Electives In Arts (ART, MUS,THR, CIN), History (HIS); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN).
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡General Education Diversity Course Elective – see page 1.
‡‡Recommended: IST123 Success 101 or another Political Science course.

**Program: Liberal Arts – Psychology Option**
**Degree: Associate in Arts**
**Code: AA.LA.PSY**

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**First Semester**

| PSY101 | General Psychology | 3 |
|---|---|---|
| ...... | Humanities Elective** | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

| History Electives* | 6 |
|---|---|

| Humanities Electives** | 9 |
|---|---|

Three general education courses selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Second Semester**

| SOC101 | Sociology | 3 |
|---|---|---|
| HIS... | History Elective* | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Diversity Elective‡ | 3 |
| | | 18-19 |

| Social Sciences | 6 |
|---|---|
| PSY101 General Psychology | |
| SOC101 Sociology | |

| Mathematics, Natural Sciences, & Technology | 12-14 |
|---|---|
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |

**Third Semester**

| PSY102 | Intro to Abnormal Psychology | 3 |
|---|---|---|
| PSY... | PSY106 Developmental Psych or PSY201 Child Psychology | 3 |
| HIS... | History Elective* | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Natural Science Elective* | 4 |
| | | 16 |

| Diversity Elective‡ | 3 |
|---|---|

| PROGRAM REQUIREMENTS | 15 |
|---|---|

| PSY102 Introduction to Abnormal Psychology | 3 |
|---|---|
| Either PSY106 Developmental Psychology or PSY201 Child Psychology | 3 |
| Psychology Elective | 3 |

**Fourth Semester**

| PSY... | Psychology Elective | 3 |
|---|---|---|
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Electives*** | 6 |
| ...... | Free Electives‡‡ | 2-4 |
| | | 15-17 |

Humanities Electives – two courses to be selected from the following fields: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). — 6

| FREE ELECTIVES | 2-6 |
|---|---|

| TOTAL CREDITS | 64-66 |
|---|---|

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.
***Electives in Arts (ART, MUS,THR, CIN); History (HIS); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN).
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡General Education Diversity Course Elective – see page 1. Recommended: PSY110; PSY207; SOC120; SOC121; SOC122.
‡‡Recommended: IST123 Success 101 or another Psychology course.

**Program: Liberal Arts – Religion Option**
**Degree: Associate in Arts**
**Code: AA.LA.REL**

## GENERAL EDUCATION REQUIREMENTS — 45-47

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| History Electives* | 6 |
|---|---|

| Humanities | 9 |
|---|---|
| PHR120 Introduction to Religion | 3 |
| PHR121 Religions of the World | 3 |
| Humanities Elective (not in Philosophy or Religion and not in History)* | 3 |

| Social Science Electives* | 6 |
|---|---|

| Mathematics, Natural Sciences, & Technology | 12-14 |
|---|---|
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |

| Diversity Elective* | 3 |
|---|---|

| PROGRAM REQUIREMENTS | 15 |
|---|---|
| Religion Electives | 9 |
| Social Science Electives | 6 |

| FREE ELECTIVES | 2-6 |
|---|---|

| TOTAL CREDITS | 64-66 |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| PHR120 | Introduction to Religion | 3 |
| HIS... | History Elective* | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| PHR121 | Religions of the World | 3 |
| HIS... | History Elective* | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† | 3-4 |
| | or | |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Social Science Elective* | 3 |
| ...... | Diversity Elective‡ | 3 |
| | | 18-19 |

**Third Semester**

| | | |
|---|---|---|
| PHR... | Religion Electives | 6 |
| ...... | Humanities Elective (not in Philosophy or Religion and not In History)* | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| PHR... | Religion Elective | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Electives | 6 |
| ...... | Free Elective‡‡ | 2-4 |
| | | 15-17 |

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**Specific Program Notes**
*General Education Elective(s) – see page 1.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡General Education Diversity Course Elective – see page 1. Recommended: PHR106; PHR122; PHR124; PHR125; or PHR126.
‡‡Recommended: Recommended: IST123 Success 101 or another Philosophy course.

**Program: Liberal Arts – Social Sciences Option**
**Degree: Associate in Arts**
**Code: AA.LA.SOC.SCI**

## GENERAL EDUCATION REQUIREMENTS 45-47

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**History Electives\*** 6

**Humanities Electives\*\*** 9
Three general education courses selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Electives\*** 6
Two general education courses selected from the following fields, with no more than one course in any one field: Anthropology (ANT); Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC).

| Mathematics, Natural Sciences, & Technology | 12-14 |
|---|---|
| Mathematics\* | 3-4 |
| Mathematics or Computer Science or Information Technology\* | 0-3 |
| Natural Science Electives\* | 8 |

**Diversity Elective‡** 3

| PROGRAM REQUIREMENTS | 15 |
|---|---|

Social Science Electives – three courses, with no More than one course in any one field: Anthropology (ANT); Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC). — **9**

Humanities Electives – two courses to be selected from the following fields: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). — **6**

**FREE ELECTIVES** 2-6

**TOTAL CREDITS** 64-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| ...... | Social Science Elective\* | 3 |
| ...... | Humanities Elective\*\* | 3 |
| MAT... | Mathematics Elective\*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| ...... | Social Science Elective\* | 3 |
| HIS... | History Elective\* | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective\*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective\*\* | 3 |
| ...... | Diversity Elective‡ | 3 |
| | | 18-19 |

**Third Semester**

| | | |
|---|---|---|
| ...... | Social Science Electives\* | 6 |
| HIS... | History Elective\* | 3 |
| ...... | Humanities Elective\*\* | 3 |
| ...... | Natural Science Elective\* | 4 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| ...... | Social Science Elective\* | 3 |
| ...... | Natural Science Elective\* | 4 |
| ...... | Humanities Electives\*\*\* | 6 |
| ...... | Free Electives‡‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**
\*General Education Elective(s) – see page 1.
\*\*General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.
\*\*\*Electives in Arts (ART, MUS,THR, CIN); History (HIS); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN).
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡General Education Diversity Course Elective – see page 1. Recommended: Select a 3-credit course from ANT, ECO, POL, PSY, or SOC.
‡‡Recommended: IST123 Success 101 or another Social Science course.

Program: Liberal Arts – Sociology Option
Degree: Associate in Arts
Code: AA.LA.SOC

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|
| **Communication** | **9** |
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |
| **History Electives*** | **6** |
| **Humanities Electives**** | **9** |
| Three general education courses selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). | |
| **Social Sciences** | **6** |
| SOC101 Sociology | |
| PSY101 General Psychology | |
| **Mathematics, Natural Sciences, & Technology** | **12-14** |
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |
| **Diversity Elective‡** | **3** |
| PROGRAM REQUIREMENTS | 15 |
| Sociology Electives | 9 |
| Humanities Electives – two courses to be selected from the following fields: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). | 6 |
| FREE ELECTIVES | 2-6 |
| TOTAL CREDITS | 64-66 |

RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| SOC101 | Sociology | 3 |
| ...... | Humanities Elective** | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| PSY101 | General Psychology | 3 |
| HIS... | History Elective* | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† Or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Diversity Elective‡ | 3 |
| | | 18-19 |

**Third Semester**

| | | |
|---|---|---|
| SOC... | Sociology Electives | 6 |
| HIS... | History Elective* | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Natural Science Elective* | 4 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| SOC... | Sociology Elective | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Electives*** | 6 |
| ...... | Free Electives‡‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.
***Electives in Arts (ART, MUS,THR, CIN); History (HIS); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN).
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡General Education Diversity Course Elective – see page 1. Recommended: SOC120; SOC121; SOC122; ANT100; ANT101; PSY110; PSY207.
‡‡Recommended: IST123 Success 101 or another Sociology course.

**Program: Liberal Arts – Women's Studies Option**
**Degree: Associate in Arts**
**Code: AA.LA.WMST**

## GENERAL EDUCATION REQUIREMENTS 45-47

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| History | 6 |
|---|---|
| HIS105 Women in History | 3 |
| HIS116 Women in American History | 3 |

**Humanities Electives** 9

Three general education courses selected from the following fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

| Social Sciences | 6 |
|---|---|
| PSY101 General Psychology | 3 |
| ANT101 Anthropology or SOC101 Sociology | 3 |

| Mathematics, Natural Sciences, & Technology | 12-14 |
|---|---|
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |

| Diversity Course: CIN160 Women in Cinema | 3 |
|---|---|

| PROGRAM REQUIREMENTS | 15 |
|---|---|
| LIT28 Women in Literature | 3 |
| PHR122 Women in Religion | 3 |
| PSY207 Psychology of Women | 3 |
| SOC121 Changing Roles of Women | 3 |
| SOC120 Sociology of Gender Roles | 3 |

| FREE ELECTIVES | 2-6 |
|---|---|

| TOTAL CREDITS | 64-66 |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

### First Semester

| HIS105 | Women in History | 3 |
|---|---|---|
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| ...... | ANT101 Anthropology or SOC101 Sociology | 3 |
| | | 15-16 |

### Second Semester

| HIS116 | Women in American History | 3 |
|---|---|---|
| PSY101 | General Psychology | 3 |
| SOC120 | Sociology of Gender Roles | 3 |
| MAT/CIS/INF... | Mathematics or Computer Science or Information Technology Elective*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective** | 3 |
| | | 18-19 |

### Third Semester

| LIT228 | Women in Literature | 3 |
|---|---|---|
| PSY207 | Psychology of Women | 3 |
| ...... | Humanities Electives** | 6 |
| ...... | Natural Science Elective* | 4 |
| | | 16 |

### Fourth Semester

| CIN160 | Women in Cinema (Spring offering only) | 3 |
|---|---|---|
| PHR122 | Women in Religion | 3 |
| SOC121 | Changing Roles of Women | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Free Elective‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**

*General Education Elective(s) – see page 1.

**General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.

†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).

‡Recommended: IST123 Success 101.

**Program: Liberal Arts – World Languages and Cultures Option**
**Degree: Associate in Arts**
**Code: AA.LA.LAN**

Students are strongly encouraged to participate in a study abroad program while earning credits toward their degree. It is recommended that students investigate this option early in their course selection.

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|

| **Communication** | **9** |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| **History Electives**** | **6** |
|---|---|
| Choose from HIS101, HIS102, HIS106, HIS107, HIS121, HIS 130; HIS131, HIS124, HIS126, HIS135, or HIS145. | |

| **Humanities** | **9** |
|---|---|
| LAN Electives* | 6 |
| General Education Humanities course (but not in History [HIS] & not in World Languages and Cultures [LAN]).**** | 3 |

| **Social Sciences** | **6** |
|---|---|
| SOC101 Sociology | 3 |
| One general education course selected from the following fields (but not in Sociology): Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Anthropology (ANT).***** | 3 |

| **Mathematics, Natural Science, & Technology**** | **12-14** |
|---|---|
| Mathematics | 3-4 |
| Mathematics or Computer Science or Information Technology | 0-3 |
| Natural Science Electives* | 8 |

| **Diversity Course:** ANT101 Introduction to Anthropology | **3** |
|---|---|

| **PROGRAM REQUIREMENTS** | **15** |
|---|---|
| LAN Electives* | 6 |
| Literature Elective (choose from LIT203, LIT204, LIT223, or LIT224) | 3 |
| GEO101 World Geography | 3 |
| SOC222 Ethnic & Minority Group Relations | 3 |

| **FREE ELECTIVES** | **2-6** |
|---|---|

| **TOTAL CREDITS** | **64-66** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| LAN... | Language Elective* | 3 |
|---|---|---|
| HIS... | History Elective** | 3 |
| MAT... | Mathematics Elective***† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| LAN... | Language Elective* | 3 |
|---|---|---|
| HIS... | History Elective** | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective***† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| SOC101 | Sociology | 3 |
| ANT101 | Introduction to Anthropology | 3 |
| | | 18-19 |

**Third Semester**

| LAN... | Language Elective* | 3 |
|---|---|---|
| LIT... | Literature Elective (choose from LIT203, LIT204, LIT223, LIT224) | 3 |
| ...... | Humanities Elective**** | 3 |
| ...... | Social Science Elective***** | 3 |
| ...... | Natural Science Elective*** | 4 |
| | | 16 |

**Fourth Semester**

| LAN... | Language Elective* | 3 |
|---|---|---|
| GEO101 | World Geography | 3 |
| SOC222 | Ethnic & Minority Group Relations | 3 |
| ...... | Natural Science Elective*** | 4 |
| ...... | Free Elective‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**
*World Language Electives: Students must complete either four semesters of the same World Language or two semesters each of two different World Languages.
**History Electives: Choose from HIS101, HIS102, HIS106, HIS107, HIS121, HIS 130; HIS131, HIS124, HIS126, HIS135, or HIS145.
***General Education Electives – see page 1
****General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); or Philosophy & Religion (PHR) – see page 1.
*****General Education Electives in Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Anthropology (ANT) – see page 1.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡Recommended: IST123 Success 101.

## AA Degree Program(s) in Fine and Performing Arts

| Curriculum Requirements | | |
|---|---|---|
| **Program: Fine and Performing Arts – General Curriculum** **Degree: Associate in Arts** **Code: AA.FPA.GEN** | | |
| **Area of Study** | **Credits** | **Course Description** |
| Communication | 9 | WRT101 English Composition I (3 cr.) WRT201 English Composition II (3 cr.) COM100 Speech Communication (3 cr.) or COM102 Public Speaking (3 cr.) |
| History | 6 | Two general education courses (6 cr.) in History (HIS) |
| Humanities | 9 | Three general education courses (9 cr.) to be selected from the following fields, with no more than two courses (6 cr.) in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]) Literature (LIT) Philosophy and Religion (PHR) World Languages and Cultures (LAN) |
| Social Sciences | 6 | Two general education courses (6 cr.) to be selected from the following fields, with no more than one course (3 cr.) in any one field: Economics (ECO) Geography (GEO) Political Science (POL) Psychology (PSY) Sociology (SOC) and Anthropology (ANT) |
| Mathematics, Natural Sciences, and Technology | 12-14 | One 4-cr. general education course in Mathematics (MAT); or two 3-cr. general education courses in Mathematics (MAT); or one 3-cr. general education course in Mathematics (MAT) and one 3-cr. general education course in either Computer Science (CIS) or Information Technology (INF) Two general education courses (8 cr.) to be selected from the following fields: Biology (BIO) Chemistry (CHM) Physics (PHY) |
| Diversity Requirement* | 3 | In completing the BCC General Education Program, a student must take and pass one 3-credit course in gender studies, non-Western history or thought, and/or cultural diversity. Choose from the list of Diversity Courses on the General Education course list – see page 1, above. |
| Total GE Credits: | 45-47 | |
| AA/FPA Program and Program Support Requirements | 14-16 | Courses in the Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]). To be assigned in accordance with the needs of the program. |
| Free Electives | 2-6 | Programs can make recommendations in footnotes. |
| Total Credits | 64-66 | |

*Selection of a Diversity Course in History will not reduce the 6-credit Foundation Requirement in History – in that event, the student will end up with a total of 9 Foundation credits in History; selection of a Diversity Course in Humanities will not reduce the 9-credit Foundation requirement in Humanities – in that event, the student will end up with a total of 12 Foundation credits in the Humanities; and selection of a Diversity course in the Social Sciences will not reduce the 6-credit Foundation Requirement in Social Sciences – in that event, the student will end up with a total of 9 Foundation credits in the Social Sciences. In any event, s/he must meet the total Foundation requirement of 45-47 credits.

**Program: Fine and Performing Arts – General Curriculum**
**Degree: Associate in Arts**
**Code: AA.FPA.GEN**

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|

| **Communication** | | **9** |
|---|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | | 3 |
| WRT101 English Composition I | | 3 |
| WRT201 English Composition II | | 3 |

| **History Electives*** | **6** |
|---|---|

**Humanities Electives****  **9**
Three general education courses selected from the following
fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR);
World Languages and Cultures (LAN).

**Social Science Electives***  **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| **Mathematics, Natural Sciences, & Technology** | **12-14** |
|---|---|
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |

| **Diversity Elective*** | **3** |
|---|---|

**PROGRAM REQUIREMENTS**  **14-16**
Courses in the Arts (Art [ART], Music [MUS],
Theatre Arts [THR], Cinema Studies [CIN]). To be
assigned in accordance with the needs of the program.

| **FREE ELECTIVES** | **2-6** |
|---|---|

| **TOTAL CREDITS** | **64-66** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| HIS... | History Elective* | 3 |
|---|---|---|
| ...... | Humanities Elective** | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| HIS... | History Elective* | 3 |
|---|---|---|
| ...... | Humanities Elective** | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† | 3-4 |
| | or | |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Social Science Elective* | 3 |
| ...... | Diversity Elective* | 3 |
| | | 18-19 |

**Third Semester**

| ...... | Humanities Elective** | 3 |
|---|---|---|
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| ...... | Program Requirement*** | 3 |
| ...... | Program Requirement*** | 3 |
| | | 16 |

**Fourth Semester**

| ...... | Natural Science Elective* | 4 |
|---|---|---|
| ...... | Program Requirement*** | 3 |
| ...... | Program Requirement*** | 3 |
| ...... | Program Requirement*** | 3 |
| ...... | Free Elective‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.
***Courses in the Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]).
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡Recommended: IST123 Success 101.

**Program: Fine and Performing Arts – Art Option**
**Degree: Associate in Arts**
**Code: AA.FPA.ART**

## GENERAL EDUCATION REQUIREMENTS 45-47

| Communication | | 9 |
|---|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | | 3 |
| WRT101 English Composition I | | 3 |
| WRT201 English Composition II | | 3 |

| **History Electives*** | 6 |
|---|---|

| **Humanities Electives**** | | 9 |
|---|---|---|
| ART... General Education Art History Electives‡ | | 6 |
| One course selected from the following fields: Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). | | 3 |

| **Social Science Electives*** | | 6 |
|---|---|---|
| Two general education courses selected from the following fields, with no more than one course in any one field: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). | | |

| **Mathematics, Natural Sciences, & Technology** | | 12-14 |
|---|---|---|
| Mathematics* | | 3-4 |
| Mathematics or Computer Science or Information Technology* | | 0-3 |
| Natural Science Electives* | | 8 |

| **Diversity Elective*** | 3 |
|---|---|

| **PROGRAM REQUIREMENTS** | 14-16 |
|---|---|
| ART122 2Dimensional Design | 3 |
| ART123 Life Drawing I or ART124 Drawing Fundamentals | 3 |
| ART124 Drawing Fundamentals | |

| **FREE ELECTIVES** | 2-6 |
|---|---|

| **TOTAL CREDITS** | 64-66 |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| ART122 | 2 Dimensional Design | 3 |
|---|---|---|
| ART123 | Life Drawing | |
| | or | 3 |
| ART124 | Drawing Fundamentals | |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| HIS... | History Elective* | 3 |
|---|---|---|
| ART... | Art History Elective‡ | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† | 3-4 |
| | or | |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ART... | Studio Art Elective‡‡ | 3 |
| ...... | Diversity Elective* | 3 |
| | | 18-19 |

**Third Semester**

| ART... | Art History Elective‡ | 3 |
|---|---|---|
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| ...... | Studio Art Electives‡‡ | 6 |
| | | 16 |

**Fourth Semester**

| ...... | Natural Science Elective* | 4 |
|---|---|---|
| ART... | Studio Art Elective‡‡ | 3 |
| ...... | Humanities Elective** | 3 |
| HIS... | History Elective* | 3 |
| ...... | Free Elective‡‡‡ | 2-4 |
| | | 15-17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts, Literature, Philosophy & Religion, or World Languages – see page 1.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡Humanities General Education Electives in Art History include: Art102 History of Art and Visual Culture to 1400, Art103 History of Art and Visual Culture from 14001900, Art104 Modern Art, Art107 History of Photography, or Art110 Contemporary Art.
‡‡Studio Art Electives include: Art123 Life Drawing I, Art124 Drawing Fundamentals, Art127 Painting 1, Art181 Photography 1, Art184 Digital Photography, Art192 Computer 3D Animation I, Art189 Computer 2D Illustration, Art197 Computer Imaging, Art223 Life Drawing II, Art226 Letterform and Type, Art228 Painting II, Art229 Painting III, Art259 Computer Graphics for the Web Developer, Art260 Graphic Design I, Art281 Photography 2, Art287 Computer Layout I, Art288 Computer Layout II, Art290 Computer 2D Animation I, Art291 Computer 2D Animation II, Art292 Computer 3D Animation II, Art298 Interactive Multimedia.
‡‡‡Recommended: IST123 Success 101.

| Program: Fine and Performing Arts – Cinema Studies Option |
| --- |
| Degree: Associate in Arts |
| Code: AA.FPA.CINST |

### GENERAL EDUCATION REQUIREMENTS — 45-47

**Communication** — 9

| | |
| --- | --- |
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**History Electives\*** — 6

**Humanities Electives\*\*** — 9

| | |
| --- | --- |
| CIN140 Introduction to Cinema | 3 |
| General Education Humanities course (but not in History [HIS]).\*\* | 3 |
| General Education Humanities course (but not in History [HIS] & not in the Arts [ART, MUS,THR, CIN]).\*\*\* | 3 |

**Social Science Electives\*** — 6

Two general education courses selected from the following fields, with no more than one course in any one field: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| Mathematics, Natural Sciences, & Technology | 12-14 |
| --- | --- |
| Mathematics\* | 3-4 |
| Mathematics or Computer Science or Information Technology\* | 0-3 |
| Natural Science Electives\* | 8 |

**Diversity Elective\*** — 3

| PROGRAM REQUIREMENTS | 15 |
| --- | --- |
| CIN150 Special Topics in Cinema I | 3 |
| CIN120 Special Topics in Cinema II | 3 |
| CIN160 Women in Cinema | 3 |
| CIN170 American Cinema | 3 |
| CIN... Cinema Studies Elective‡ | 3 |

**FREE ELECTIVES** — 2-6

**TOTAL CREDITS** — 64-66

### RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
| --- | --- | --- |
| CIN140 | Introduction to Cinema | 3 |
| HIS... | History Elective\* | 3 |
| MAT... | Mathematics Elective\*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
| --- | --- | --- |
| CIN150 | Special Topics in Cinema I | 3 |
| ...... | Humanities Elective\*\* | 3 |
| MAT/CIS/INF... | Mathematics or Computer Science or Information Technology Elective\*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Social Science Elective\* | 3 |
| ...... | Diversity Elective\* | 3 |
| | | 18-19 |

**Third Semester**

| | | |
| --- | --- | --- |
| C160 | Women in Cinema | 3 |
| CIN170 | American Cinema | 3 |
| ...... | Natural Science Elective\* | 4 |
| ...... | Social Science Elective\* | 3 |
| HIS... | History Elective\* | 3 |
| | | 16 |

**Fourth Semester**

| | | |
| --- | --- | --- |
| CIN150 | Special Topics in Cinema II | 3 |
| CIN... | Cinema Studies Elective‡ | 3 |
| ...... | Natural Science Elective\* | 4 |
| ...... | Humanities Elective\*\* | 3 |
| ...... | Free Elective‡‡ | 2-4 |
| | | 15-17 |

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**Specific Program Notes**

\*General Education Elective(s) – see page 1.

\*\*General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.

\*\*\*General Education Electives in Literature (LIT), Philosophy & Religion (PHR), or World Languages & Cultures (LAN) – see page 1.

†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).

‡CIN150 Special Topics in Cinema I or CIN250 Special Topics in Cinema II can be taken twice for separate credit as long as the topic is different from a previously taken course.

‡‡‡Recommended: IST123 Success 101.

Program: Fine and Performing Arts – Music Option
Degree: Associate in Arts
Code: AA.FPA.MUSIC

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| History Electives* | 6 |
|---|---|

| Humanities Electives** | 9 |
|---|---|

Three general education courses selected from the following
fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR);
World Languages and Cultures (LAN).

| Social Science Electives* | 6 |
|---|---|

Two general education courses selected from the following
fields, with no more than one course in any one field:
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| Mathematics, Natural Sciences, & Technology | 12-14 |
|---|---|
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |

| Diversity Elective* | 3 |
|---|---|

| PROGRAM REQUIREMENTS | 16 |
|---|---|
| MUS131 Class Piano I | 2 |
| MUS132 Music Theory I | 2 |
| MUS133 Ear Training and Musicianship I | 2 |
| MUS231 Class Piano II | 2 |
| MUS232 Music Theory II | 2 |
| MUS234 Ear Training and Musicianship II | 2 |
| MUA... Applied Music | 2 |
| MUS... Performance Ensembles | 2 |

| FREE ELECTIVES | 2-6 |
|---|---|

| TOTAL CREDITS | 64-66 |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

### First Semester
| | | |
|---|---|---|
| MUS131 | Class Piano I | 2 |
| MUA1... | Applied Music I | 1 |
| MUS1... | Performance Ensembles I | 1 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective** | 3 |
| | | 16-17 |

### Second Semester
| | | |
|---|---|---|
| MUS231 | Class Piano II | 2 |
| MUA2... | Applied Music II | 1 |
| MUS2... | Performance Ensembles II | 1 |
| ...... | Humanities Elective** | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Diversity Elective* | 3 |
| | | 16-17 |

### Third Semester
| | | |
|---|---|---|
| MUS132 | Music Theory I | 2 |
| MUS134 | Ear Training & Musicianship I | 2 |
| HIS... | History Elective* | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| | | 17 |

### Fourth Semester
| | | |
|---|---|---|
| MUS232 | Music Theory II | 2 |
| MUS234 | Ear Training & Musicianship II | 2 |
| HIS... | History Elective* | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| ...... | Free Elective‡ | 2-3 |
| | | 16-17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡Recommended: IST123 Success 101 or another Music (MUS or MUAO course.

**Program: Fine and Performing Arts – General Theatre Arts Option**
**Degree: Associate in Arts**
**Code: AA.FPA.THTR**

## GENERAL EDUCATION REQUIREMENTS     45-47

**Communication**    9

| | | |
|---|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | | 3 |
| WRT101 English Composition I | | 3 |
| WRT201 English Composition II | | 3 |

**History Electives***    6

**Humanities Electives****    9
Three general education courses selected from the following fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Electives***    6
Two general education courses selected from the following fields, with no more than one course in any one field:
Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Sciences, & Technology**    12-14
Mathematics*    3-4
Mathematics or Computer Science or Information Technology*    0-3
Natural Science Electives*    8

**Diversity Elective***    3

## PROGRAM REQUIREMENTS    14-16

| | | |
|---|---|---|
| THR110 Basic Acting Techniques | | 3 |
| THR120 Stage Makeup | 1 | |
| THR131 Intro. to Stagecraft & Lighting | | 3 |
| THR113 Movement for the Performing Artist | | 2 |
| or | | |
| THR220 Scene Study | | 3 |
| or | | |
| DAN124/THR124 Dance Appreciation | | 3 |
| or | | |
| THR231 Stage Electrics | | 3 |
| THR214   Audition Techniques | | 2 |
| or | | |
| THR217 Theatre Performance & Production | | 2 |
| or | | |
| THR232 Stage Management | | 1 |
| or | | |
| DAN... Dance Technique Class*** | | 1-2 |
| THR215 Directing for the Stage | | 4 |
| or | | |
| THR216 Theatre Production Workshop | | 3 |

**FREE ELECTIVES**    2-6

**TOTAL CREDITS**    64-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| THR110 | Basic Acting Techniques | 3 |
| THR131 | Intro to Stagecraft & Lighting | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| THR120 | Stage Makeup | 1 |
| THR113 | Movement for the Performing Artist | 2 |
| | or | |
| THR220 | Scene Study | 3 |
| | or | |
| DAN/THR124 | Dance Appreciation | 3 |
| | or | |
| THR231 | Stage Electrics | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† | 3-4 |
| | or | |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Social Science Elective* | 3 |
| | | 15-17 |

**Third Semester**

| | | |
|---|---|---|
| THR214 | Audition Techniques | 2 |
| | or | |
| THR217 | Theatre Performance & Production | 2 |
| | or | |
| THR232 | Stage Management | 1 |
| | or | |
| DAN... | Dance Technique Class*** | 1-2 |
| HIS... | History Elective* | 3 |
| ...... | Humanities Electives** | 6 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| | | 18 |

**Fourth Semester**

| | | |
|---|---|---|
| THR215 | Directing for the Stage | 3 |
| | or | |
| THR216 | Theatre Production Workshop | 4 |
| HIS... | History Elective* | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Diversity Elective* | 3 |
| ...... | Free Elective‡ | 2-4 |
| | | 15-18 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1. Recommended: THR101 Introduction to the Theatre; MUS110 Music, Art, & Drama; THR109 History of the Musical Theatre; THR140 Introduction to the Cinema.
***Dance Technique Classes – DAN102 Ballet; DAN103 Modern; DAN104 Tap; DAN105 Jazz; DAN108 Improvisation.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡Recommended: IST123 Success 101 or one of the following: COM106 TV Production; DFT210 Computer Aided Drafting; THR 236 Lighting Design.

**Program: Fine and Performing Arts – Acting Option**
**Degree: Associate in Arts**
**Code: AA.FPA.THTR.ACT**

## GENERAL EDUCATION REQUIREMENTS          45-47

### Communication          9
| | | |
|---|---|---|
| COM... COM100 Speech Communication or<br>COM102 Public Speaking | | 3 |
| WRT101 English Composition I | | 3 |
| WRT201 English Composition II | | 3 |

### History Electives*          6

### Humanities Electives**          9
Three general education courses selected from the following
fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR);
World Languages and Cultures (LAN).

### Social Science Electives*          6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

### Mathematics, Natural Sciences, & Technology          12-14
Mathematics*          3-4
Mathematics or Computer Science or Information Technology*          0-3
Natural Science Electives*          8

### Diversity Elective*          3

## PROGRAM REQUIREMENTS          14-16
THR110 Basic Acting Techniques          3
THR120 Stage Makeup          1
THR131 Intro. to Stagecraft & Lighting          3

| | |
|---|---|
| THR113 Movement for the Performing Artist<br>or | 2 |
| THR220 Scene Study | 3 |
| THR214 Audition Techniques<br>or | 2 |
| THR217 Theatre Performance & Production<br>or | 2 |
| THR232     Stage Management<br>or | 1 |
| DAN...     Dance Technique Class*** | 1-2 |
| THR215 Directing for the Stage<br>or | 4 |
| THR216 Theatre Production Workshop | 3 |

## FREE ELECTIVES          2-6

## TOTAL CREDITS          64-66

## RECOMMENDED SEMESTER SEQUENCE

### First Semester
| | | |
|---|---|---|
| THR110 | Basic Acting Techniques | 3 |
| THR131 | Intro to Stagecraft & Lighting | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication<br>or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective** | 3 |
| | | 18-19 |

### Second Semester
| | | |
|---|---|---|
| THR113 | Movement for the Performing Artist<br>or | 2 |
| THR220 | Scene Study | 3 |
| MAT/CIS/<br>INF... | Mathematics or Computer Science or<br>Information Technology Elective*†<br>or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Social Science Elective* | 3 |
| | | 14-16 |

### Third Semester
| | | |
|---|---|---|
| THR214 | Audition Techniques<br>or | 2 |
| THR217 | Theatre Performance & Production<br>or | 2 |
| THR232 | Stage Management<br>or | 1 |
| DAN... | Dance Technique Class*** | ...1-2 |
| HIS... | History Elective* | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Diversity Elective* | 3 |
| | | 14-15 |

### Fourth Semester
| | | |
|---|---|---|
| THR215 | Directing for the Stage<br>or | 3 |
| THR216 | Theatre Production Workshop | 4 |
| THR120 | Stage Makeup | 1 |
| HIS... | History Elective* | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| ...... | Free Elective‡ | 2-4 |
| | | 16-17 |

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**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages &
Cultures (LAN) – see page 1. Recommended: THR101 Introduction to the Theatre; MUS110 Music, Art, & Drama; THR109 History
of the Musical Theatre; THR140 Introduction to the Cinema.
***Dance Technique Classes – DAN102 Ballet; DAN103 Modern; DAN104 Tap; DAN105 Jazz; DAN108 Improvisation.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective
in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester
Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may
be a second Mathematics elective).
‡Recommended: IST123 Success 101 or one of the following: COM106 TV Production; DFT210 Computer Aided Drafting; THR 236
Lighting Design.

**Program: Fine and Performing Arts – Dance Option**
**Degree: Associate in Arts**
**Code: AA.FPA.THTR.DAN**

| GENERAL EDUCATION REQUIREMENTS | 45-47 |
|---|---|

**Communication** — 9

COM... COM100 Speech Communication or
COM102 Public Speaking — 3
WRT101 English Composition I — 3
WRT201 English Composition II — 3

**History Electives*** — 6

**Humanities Electives**** — 9
Three general education courses selected from the following fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Electives*** — 6
Two general education courses selected from the following fields, with no more than one course in any one field:
Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Sciences, & Technology** — 12-14
Mathematics* — 3-4
Mathematics or Computer Science or Information Technology* — 0-3
Natural Science Electives* — 8

**Diversity Elective*** — 3

**PROGRAM REQUIREMENTS** — 15
THR110 Basic Acting Techniques — 3
THR120 Stage Makeup — 1
DAN124/THR124 Dance Appreciation — 3
THR113 Movement for the Performing Artist — 2
DAN102 Ballet — 2
DAN103 Modern Dance — 1
DAN104 Tap Dance — 1
DAN105 Jazz Dance — 1
DAN108 Dance Improvisation — 1

**FREE ELECTIVES** — 2-6

**TOTAL CREDITS** — 64-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| THR110 | Basic Acting Techniques | 3 |
| DAN102 | Ballet | 2 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective** | 3 |
| | | 17-18 |

**Second Semester**

| | | |
|---|---|---|
| THR113 | Movement for the Performing Artist | 2 |
| THR120 | Stage Makeup | 1 |
| DAN103 | Modern Dance | 1 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Social Science Elective* | 3 |
| | | 16-17 |

**Third Semester**

| | | |
|---|---|---|
| DAN104 | Tap Dance | 1 |
| DAN105 | Jazz Dance | 1 |
| HIS... | History Elective* | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Diversity Elective* | 3 |
| | | 15 |

**Fourth Semester**

| | | |
|---|---|---|
| DAN108 | Dance Improvisation | 1 |
| DAN/THR124 | Dance Appreciation | 3 |
| HIS... | History Elective* | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| ...... | Free Elective‡ | 2-4 |
| | | 16-18 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1. Recommended: THR 01 Introduction to the Theatre; MUS110 Music, Art, & Drama; THR109 History of the Musical Theatre; THR140 Introduction to the Cinema.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡Recommended: IST123 Success 101 or one of the following: COM106 TV Production; DFT210 Computer Aided Drafting; THR 236 Lighting Design.

**Program: Fine and Performing Arts – Technical Theatre Production Option**
**Degree: Associate in Arts**
**Code: AA.FPA.THTR.TECH**

## GENERAL EDUCATION REQUIREMENTS — 45-47

### RECOMMENDED SEMESTER SEQUENCE

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| History Electives* | 6 |
|---|---|

| Humanities Electives** | 9 |
|---|---|

Three general education courses selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

| Social Science Electives* | 6 |
|---|---|

Two general education courses selected from the following fields, with no more than one course in any one field: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| Mathematics, Natural Sciences, & Technology | 12-14 |
|---|---|
| Mathematics* | 3-4 |
| Mathematics or Computer Science or Information Technology* | 0-3 |
| Natural Science Electives* | 8 |

| Diversity Elective* | 3 |
|---|---|

| PROGRAM REQUIREMENTS | 14-16 |
|---|---|
| THR110 Basic Acting Techniques | 3 |
| THR120 Stage Makeup | 1 |
| THR131 Intro. to Stagecraft & Lighting | 3 |
| THR231 Stage Electrics | 3 |
| THR215 Directing for the Stage or | 4 |
| THR216 Theatre Production Workshop | 3 |
| THR217 Theatre Performance & Production or | 2 |
| THR232 Stage Management | 1 |

| FREE ELECTIVES | 2-6 |
|---|---|

| TOTAL CREDITS | 64-66 |
|---|---|

**First Semester**

| THR110 | Basic Acting Techniques | 3 |
|---|---|---|
| THR131 | Intro to Stagecraft & Lighting | 3 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| THR120 | Stage Makeup | 1 |
|---|---|---|
| THR231 | Stage Electrics | 3 |
| MAT/CIS/ INF... | Mathematics or Computer Science or Information Technology Elective*† or | 3-4 |
| ...... | Free Elective† | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Social Science Elective* | 3 |
| | | 16-17 |

**Third Semester**

| THR217 | Theatre Performance & Production or | 2 |
|---|---|---|
| THR232 | Stage Management | 1 |
| HIS... | History Elective* | 3 |
| ...... | Humanities Electives** | 6 |
| ...... | Natural Science Elective* | 4 |
| ...... | Diversity Elective* | 3 |
| | | 17-18 |

**Fourth Semester**

| THR215 | Directing for the Stage or | 3 |
|---|---|---|
| THR216 | Theatre Production Workshop | 4 |
| HIS... | History Elective* | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Social Science Elective* | 3 |
| ...... | Free Elective‡ | 2-4 |
| | | 15-18 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**General Education Electives in Arts (ART, MUS, THR, CIN); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN) – see page 1. Recommended: THR101 Introduction to the Theatre; MUS110 Music, Art, & Drama; THR109 History of the Musical Theatre; THR140 Introduction to the Cinema.
†If a student's first-semester Mathematics elective is a 3-credit course, then s/he is required to select a second 3- or 4-credit elective in the second semester in Mathematics or Computer Science or Information Technology; and if a student's first-semester Mathematics elective is a 4-credit course, then s/he is required to take a 3-credit Free Elective in the second semester (which may be a second Mathematics elective).
‡Recommended: IST123 Success 101 or one of the following: COM106 TV Production; DFT210 Computer Aided Drafting; THR 236 Lighting Design.

## AS Degree Program(s) in Natural Sciences or Mathematics
**(Aircraft Operations, Biology, Biotechnology, Chemistry, Computer Science, Mathematics, Physics)**

| Curriculum Requirements | | |
|---|---|---|
| **Program: Natural Sciences and Mathematics – General Curriculum**<br>**Degree: Associate in Arts**<br>**Code: AS.NSM.GEN** | | |
| **Area of Study** | **Credits** | **Course Description** |
| Communication | 9 | WRT101 English Composition I (3 cr.)<br>WRT201 English Composition II (3 cr.)<br>COM100 Speech Communication (3 cr.) or COM102 Public Speaking (3 cr.) |
| Humanities | 6 | Two general education courses (6 cr.) to be selected from the following fields, with no more than one course (3 cr.) in any one field:<br>Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN])<br>Literature (LIT)<br>Philosophy and Religion (PHR)<br>World Languages and Cultures (LAN) |
| Social Sciences | 3 | One general education course (3 cr.) to be selected from the following fields:<br>Economics (ECO)<br>Geography (GEO)<br>Political Science (POL)<br>Psychology (PSY)<br>Sociology (SOC) and Anthropology (ANT) |
| Mathematics, Natural Sciences, and Technology | 12* | One or two 4-cr. general education courses (4-8 cr.) in Mathematics (MAT), Computer Science (CIS), or Information Technology (INF), one of which must be in Mathematics (MAT).<br><br>One or two 4-cr. general education courses (4-8 cr.) to be selected from the following fields:<br>Biology (BIO)<br>Chemistry (CHM)<br>Physics (PHY) |
| Total GE Credits: | 30 | |
| Restricted Program Requirements | 22-24 | |
| Program Support Requirements | 9 | Two general education courses (6 cr.) to be selected from the following fields, with no more than one course (3 cr.) in any one field:<br>Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN])<br>History (HIS)<br>Literature (LIT)<br>Philosophy and Religion (PHR)<br>World Languages and Cultures (LAN)<br><br>One general education course (3 cr.) to be selected from the following fields:<br>Economics (ECO)<br>Geography (GEO)<br>Political Science (POL)<br>Psychology (PSY)<br>Sociology (SOC) and Anthropology (ANT) |
| Free Electives | 3 | Programs can make recommendations in footnotes. |
| Total Credits | 64-66 | |

*If a student takes 8 General Education Foundation credits in Mathematics, Computer Science, and Information Technology, then s/he must take 4 General Education Foundation credits in Natural Sciences; and if s/he takes 8 General Education Foundation credits in Natural Sciences, then s/he must take 4 General Education Foundation credits in Mathematics. Combination of Mathematics, Computer Science, Information Technology, and Natural Sciences in the Foundation = 12 credits.

**Program: Natural Sciences or Mathematics – General Curriculum**
**Degree: Associate in Science**
**Code: AS.NSM.GEN**

## GENERAL EDUCATION REQUIREMENTS — 30

**Communication** — 9

| | | |
|---|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | | 3 |

WRT101 English Composition I — 3
WRT201 English Composition II — 3

**Humanities Electives*** — 6
Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective*** — 3
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Sciences, and Technology** — 12
Mathematics* — 4
Mathematics or Computer Science or Information Technology* — 0-4
Natural Science Electives* — 4-8

## PROGRAM REQUIREMENTS — 22-24

## PROGRAM SUPPORT REQUIREMENTS — 9
Two general education courses* to be selected — 6
from the following fields, with no more than one in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

One general education course* to be selected — 3
from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**FREE ELECTIVE‡‡** — 3

**TOTAL CREDITS** — 64-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| MAT... | Mathematics Elective*† | 4 |
| ...... | Natural Sciences Elective* | 4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective* | 3 |
| | | 17 |

**Second Semester**

| | | |
|---|---|---|
| MAT/CIS/ INF... | Mathematics, Computer Science, or Information Technology Elective*† | 4 |
| ...... | Natural Sciences Elective* | 4 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| | | 17 |

**Third Semester**

| | | |
|---|---|---|
| ...... | Natural Science Electives and/or | |
| MAT... | Mathematics Electives and/or | 8 |
| CIS... | Computer Science Electives | |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| | | 14 |

**Fourth Semester**

| | | |
|---|---|---|
| ...... | Natural Science Electives and/or | |
| MAT... | Mathematics Electives and/or | 10-12 |
| CIS... | Computer Science Electives | |
| ...... | Humanities Elective* | 3 |
| ...... | Free Elective‡‡ | 3 |
| | | 16-18 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
†MAT280 Calculus I is required for all students in the AS Degree General Curriculum in Natural Sciences or Mathematics (AS.NSM.GEN). Each specific Natural Sciences or Mathematics Option (Aircraft Operations, Biology, Biotechnology, Chemistry, Computer Science, Mathematics, Physics) designates its own Mathematics requirements.
‡‡Recommended: IST123 Success 101.

**Note:** It is recommended that students select their advanced courses in the areas of Biology, Chemistry, Computer Science, Mathematics, or Physics.

**Program: Natural Sciences or Mathematics – Aircraft Operations Option**
**Degree: Associate in Science**
**Code: AS.NSM.AVT.OPR**

| GENERAL EDUCATION REQUIREMENTS | 30 |
|---|---|

| **Communication** | **9** |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| **Humanities** | **6** |
|---|---|
| HIS101 History of Western Civ. to the Reformation or HIS102 History of Western Civ. since the Reformation | 3 |
| LIT201 American Literature to 1880 or LIT202 American Literature to the Present | 3 |

| **Social Science:** ECO101 Macroeconomics | **3** |
|---|---|

| **Mathematics, Natural Science, and Technology** | **12** |
|---|---|
| MAT... Mathematics Elective* | 4 |
| PHY186 General Physics I | 4 |
| PHY286 General Physics II | 4 |

| PROGRAM REQUIREMENTS | 24 |
|---|---|
| AVT100 Introduction to Aeronautics | 3 |
| AVT115 Aviation Meteorology | 1 |
| AVT240 Aviation Safety | 3 |
| MAT150 Statistics I | 3 |
| MAT... Mathematics Elective* | 4 |
| PHY114 Meteorology | 4 |
| WRT202 Technical Writing | 3 |
| Approved Elective† | 3 |

| PROGRAM SUPPORT REQUIREMENTS | 9 |
|---|---|
| LIT203 World Literature to 1650 or LIT204 World Literature 1650 to the Present | 3 |
| POL101 American Government | 3 |
| ...... Humanities Elective* | 3 |

| **FREE ELECTIVE‡** | **3** |
|---|---|

| **TOTAL CREDITS** | **66** |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| HIS101 | History of Western Civ. to the Reformation or | 3 |
| HIS102 | History of Western Civ. since the Reformation | |
| MAT150 | Statistics I | 3 |
| PHY186 | General Physics I | 4 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Second Semester**

| | | |
|---|---|---|
| AVT100 | Introduction to Aeronautics | 3 |
| ECO101 | Macroeconomics | 3 |
| MAT... | Mathematics Elective* | 4 |
| PHY286 | General Physics II | 4 |
| WRT201 | English Composition II | 3 |
| | | 17 |

**Third Semester**

| | | |
|---|---|---|
| AVT240 | Aviation Safety | 3 |
| LIT201 | American Literature to 1880 or | 3 |
| LIT202 | American Lit 1880 to the Present | |
| MAT... | Mathematics Elective* | 4 |
| POL101 | American Government | 3 |
| WRT202 | Technical Writing | 3 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| AVT115 | Aviation Meteorology | 1 |
| LIT203 | World Literature to 1650 or | 3 |
| LIT204 | World Literature 1650 to the Present | |
| PHY114 | Meteorology | 4 |
| ...... | Approved Elective† | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Free Elective‡ | 3 |
| | | 17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1. MAT180 and MAT280 are strongly recommended.
†A Humanities, Social Science, or AVT elective is strongly recommended for students planning to transfer to Vaughn College of Aeronautics and Technology.
‡Recommended: IST123 Success 101.

**Program: Natural Sciences or Mathematics – Biology Option**
**Degree: Associate in Science**
**Code: AS.NSM.BIO**

## GENERAL EDUCATION REQUIREMENTS — 30

**Communication** — 9

| | |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives\*\*** — 6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective\*\*** — 3
One general education course selected from the following
fields: Economics (ECO); Geography (GEO); Political
Science (POL); Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

**Mathematics, Natural Sciences, and Technology** — 12

| | |
|---|---|
| MAT180 Precalculus | 4 |
| CHM140 General Chemistry I | 3 |
| CHM141 General Chemistry I Laboratory | 1 |
| ...... Natural Science Elective\*\* or MAT/CIS... Math or Computer Science Elective\*\* | 4 |

## PROGRAM REQUIREMENTS — 23-24

| | |
|---|---|
| BIO101 General Biology I | 4 |
| BIO203 General Biology II | 4 |
| BIO... Biology Electives† | 8 |
| CHM240 General Chemistry II | 3 |
| CHM241 General Chemistry II Laboratory | 1 |
| MAT150 Statistics I or MAT280 Calculus I | 3 / 4 |

## PROGRAM SUPPORT REQUIREMENTS — 9

Two general education courses\*\* to be selected — 6
from the following fields, with no more than one
In any one field: Arts (Art [ART], Music [MUS],
Theatre Arts [THR], Cinema Studies [CIN]);
History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

One general education course\*\* to be selected — 3
from the following fields: Economics (ECO);
Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

**FREE ELECTIVE‡** — 3

**TOTAL CREDITS** — 65-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| BIO101 | General Biology I | 4 |
| CHM140 | General Chemistry I\* | 3 |
| CHM141 | General Chemistry I Laboratory | 1 |
| MAT180 | Precalculus | 4 |
| WRT101 | English Composition I | 3 |
| | | 15 |

**Second Semester**

| | | |
|---|---|---|
| BIO203 | General Biology II | 4 |
| CHM240 | General Chemistry II | 3 |
| CHM241 | General Chemistry II Laboratory | 1 |
| MAT150 | Statistics I or | 3 |
| MAT280 | Calculus I | 4 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective\*\* | 3 |
| | | 17-18 |

**Third Semester**

| | | |
|---|---|---|
| BIO... | Biology Elective\*\*\* | 4 |
| ...... | Natural Science Elective or | 4 |
| MAT/CIS... | Mathematics or Computer Science Elective\*\* | |
| ...... | Humanities Elective\*\* | 3 |
| ...... | Social Science Elective\*\* | 3 |
| ...... | Free Elective‡ | 3 |
| | | 17 |

**Fourth Semester**

| | | |
|---|---|---|
| BIO... | Biology Elective\*\*\* | 4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| ...... | Humanities Electives\*\* | 6 |
| ...... | Social Science Elective\*\* | 3 |
| | | 16 |

**Specific Program Notes**
\*If a student needs to complete CHM100 Introduction
to Chemistry before registering for CHM140 General
Chemistry I, CHM100 can be used as the Natural
Science Elective in the third semester.
\*\*General Education Elective(s) – see page 1.
\*\*\*Students must choose among the following
courses: BIO201, BIO202, BIO225, BIO227, BIO228,
or BIO229.
‡Recommended: IST123 Success 101; or WEX101
(2 cr.) and a WEX experience course (1 cr.): WEX201,
WEX204, WEX205, WEX206, or WEX208; or a
general education elective.

**Program: Natural Sciences or Mathematics – Biotechnology Option**
**Degree: Associate in Science**
**Code: AS.NSM.BIO.TECH**

| GENERAL EDUCATION REQUIREMENTS | 30 |
|---|---|

| **Communication** | **9** |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives***      **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective***      **3**
One general education course selected from the following
fields: Economics (ECO); Geography (GEO); Political
Science (POL); Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

| **Mathematics, Natural Sciences, and Technology** | **12** |
|---|---|
| MAT180 Precalculus | 4 |
| CHM140 General Chemistry I | 3 |
| CHM141 General Chemistry I Laboratory | 1 |
| CHM240 General Chemistry II | 3 |
| CHM241 General Chemistry II Laboratory | 1 |

| **PROGRAM REQUIREMENTS** | **23** |
|---|---|
| BIO101 General Biology I | 4 |
| BIO203 General Biology II | 4 |
| BIO210 Introduction to Biotechnology | 4 |
| BIO211 Introduction to Bioinfomatics | 4 |
| MAT150 Statistics I | 3 |
| MAT280 Calculus I | 4 |

**PROGRAM SUPPORT REQUIREMENTS**      **9**
Two general education courses* to be selected      6
from the following fields, with no more than one
In any one field: Arts (Art [ART], Music [MUS],
Theatre Arts [THR], Cinema Studies [CIN]);
History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

One general education course* to be selected      3
from the following fields: Economics (ECO);
Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

| FREE ELECTIVE** | 3 |
|---|---|
| **TOTAL CREDITS** | **65** |

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| BIO101 | General Biology I | 4 |
|---|---|---|
| CHM140 | General Chemistry I | 3 |
| CHM141 | General Chemistry I Laboratory | 1 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| | | 17 |

**Second Semester**

| BIO203 | General Biology II | 4 |
|---|---|---|
| CHM240 | General Chemistry II | 3 |
| CHM241 | General Chemistry II Laboratory | 1 |
| MAT150 | Statistics I | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective* | 3 |
| | | 17 |

**Third Semester**

| BIO210 | Introduction to Biotechnology | 4 |
|---|---|---|
| MAT180 | Precalculus | 4 |
| ...... | Humanities Electives* | 6 |
| ...... | Social Science Elective* | 3 |
| | | 17 |

**Fourth Semester**

| BIO211 | Introduction to Bioinfomatics | 4 |
|---|---|---|
| MAT280 | Calculus I | 4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| ...... | Free Elective** | 3 |
| | | 14 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**Recommended: IST123 Success 101; or students may choose WEX101 Dynamics of Health and Fitness (2 cr.) plus a WEX
experience course (1 cr.): WEX201, WEX202, WEX204, WEX205, WEX206, or WEX208.

Program: Natural Sciences or Mathematics – Chemistry Option
Degree: Associate in Science
Code: AS.NSM.CHM

## GENERAL EDUCATION REQUIREMENTS 30

**Communication** 9

| | | |
|---|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | | 3 |
| WRT101 English Composition I | | 3 |
| WRT201 English Composition II | | 3 |

**Humanities Electives\*** 6
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective\*** 3
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Sciences, and Technology** 12
MAT180 Precalculus 4
MAT280 Calculus I 4
CHM140 General Chemistry I 3
CHM141 General Chemistry I Laboratory 1

## PROGRAM REQUIREMENTS 24
CHM240 General Chemistry II 3
CHM241 General Chemistry II Laboratory 1
CHM260 Organic Chemistry I 4
CHM262 Organic Chemistry II 4
MAT281 Calculus II 4
PHY280 Physics I 4
PHY290 Physics II 4

## PROGRAM SUPPORT REQUIREMENTS 9
Two general education courses\* to be selected 6
from the following fields, with no more than one
In any one field: Arts (Art [ART], Music [MUS],
Theatre Arts [THR], Cinema Studies [CIN]),
History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

One general education course\* to be selected 3
from the following fields: Economics (ECO);
Geography (GEO); Political Science (POL),
Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

**FREE ELECTIVE†** 3

**TOTAL CREDITS** 66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| CHM140 | General Chemistry I | 3 |
| CHM141 | General Chemistry I Laboratory | 1 |
| MAT180 | Precalculus | 4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective* | 3 |
| | | 17 |

**Second Semester**

| | | |
|---|---|---|
| CHM240 | General Chemistry II | 3 |
| CHM241 | General Chemistry II Laboratory | 1 |
| MAT280 | Calculus I | 4 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Free Elective† | 3 |
| | | 17 |

**Third Semester**

| | | |
|---|---|---|
| CHM260 | Organic Chemistry I | 4 |
| MAT281 | Calculus II | 4 |
| PHY280 | Physics I | 4 |
| ...... | Social Science Elective* | 3 |
| | | 15 |

**Fourth Semester**

| | | |
|---|---|---|
| CHM262 | Organic Chemistry II | 4 |
| PHY290 | Physics II | 4 |
| ...... | Humanities Electives* | 6 |
| ...... | Social Science Elective* | 3 |
| | | 17 |

**Specific Program Notes**
\*General Education Elective(s) – see page 1.
†Students may choose WEX101 Dynamics of Health and Fitness (2 cr.) plus a WEX experience course (1 cr.): WEX201, WEX202, WEX204, WEX205, WEX206, or WEX208; or IST123 Success 101; or a General Education Elective.

**Program: Natural Sciences or Mathematics – Computer Science Option**
**Degree: Associate in Science**
**Code: AS.NSM.COMP.SCI**

## GENERAL EDUCATION REQUIREMENTS — 30

**Communication** — 9
| | |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives*** — 6
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART] , Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective*** — 3
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Sciences, and Technology** — 12
MAT280 Calculus I — 4
Natural Science Electives* — 8

## PROGRAM REQUIREMENTS — 22-24
CIS165 Fundamentals of Programming — 3
CIS265 Advanced Programming Concepts — 3
CIS271 Computer Org. & Assembly Lang. — 3
CIS277 Data Structures & Algorithms — 3
CIS288 Discrete Math for Comp. Sci. — 4
MAT281 Calculus II — 4
CIS/MAT Computer Sci. or Math Elective — 3-4

## PROGRAM SUPPORT REQUIREMENTS — 9
PHR103 Basic Logic — 3
One general education course to be selected from the following fields: Arts (Art[ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); World languages and Cultures (LAN). — 3

One general education course* to be selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). — 3

**FREE ELECTIVE‡‡** — 3

**TOTAL CREDITS** — 64-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**
| | | |
|---|---|---|
| CIS165 | Fundamentals of Programming | 3 |
| MAT280 | Calculus I | 4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| PHR103 | Basic Logic | 3 |
| | | 16 |

**Second Semester**
| | | |
|---|---|---|
| CIS265 | Advanced Programming Concepts | 3 |
| CIS271 | Computer Org. & Assembly Lang. | 3 |
| MAT281 | Calculus II | 4 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective*† | 3 |
| | | 16 |

**Third Semester**
| | | |
|---|---|---|
| CIS277 | Data Structures & Algorithms | 3 |
| CIS288 | Discrete Math for Computer Science | 4 |
| PHY280 | Physics I** | 4 |
| ...... | Humanities Elective*† | 3 |
| ...... | Social Science Elective*‡ | 3 |
| | | 17 |

**Fourth Semester**
| | | |
|---|---|---|
| CIS/MAT | Computer Sci or Math Elective*** | 3-4 |
| PHY290 | Physics II** | 4 |
| ...... | Social Science Elective*‡ | 3 |
| ...... | Humanities Elective*† | 3 |
| ...... | Free Elective‡‡ | 3 |
| | | 16-17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**CHM140 General Chemistry I and CHM141 General Chemistry Lab I may replace PHY280; and CHM240 General Chemistry II and CHM141 General Chemistry Lab II may replace PHY290.
***Choose one of the following: CIS289, CIS287, C1S278, C1S266, MAT282, MAT283, MAT286; PHY291.
†Recommended: PHR203 Intermediate Logic.
‡Recommended: ECO101 Macroeconomics or PSY101 General Psychology.
‡‡One of the following is recommended: IST123 Success 101, CIS289, CIS256, CIS278, CIS287, MAT282, MAT286, PHY291.

**Program: Natural Sciences or Mathematics – Mathematics Option**
**Degree: Associate in Science**
**Code: AS.NSM.MATH**

## GENERAL EDUCATION REQUIREMENTS — 30

### RECOMMENDED SEMESTER SEQUENCE

**Communication — 9**

| | | |
|---|---|---|
| COM... COM100 Speech Communication or | | 3 |
| COM102 Public Speaking | | |
| WRT101 English Composition I | | 3 |
| WRT201 English Composition II | | 3 |

**Humanities Electives* — 6**
Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective* — 3**
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, and Technology — 12**
MAT280 Calculus I — 4
MAT281 Calculus II — 4
Natural Science Elective* — 4

## PROGRAM REQUIREMENTS — 22-24
MAT282 Calculus III — 4
MAT283 Differential Equations — 4
MAT286 Linear Algebra — 4
Mathematics or Natural Science Electives*** — 6-8
Natural Science Elective* — 4

## PROGRAM SUPPORT REQUIREMENTS — 9
PHR103 Basic Logic — 3
ECO101 Macroeconomics — 3
One general education course to be selected from the following fields: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); World languages and Cultures (LAN). — 3

## FREE ELECTIVE‡‡‡ — 3

## TOTAL CREDITS — 64-66

**First Semester**

| | | |
|---|---|---|
| MAT280 | Calculus I | 4 |
| PHR103 | Basic Logic | 3 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Natural Science Elective*† | 4 |
| | | 17 |

**Second Semester**

| | | |
|---|---|---|
| MAT281 | Calculus II | 4 |
| WRT201 | English Composition II | 3 |
| ECO101 | Macroeconomics | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Natural Science Elective*† | 4 |
| | | 17 |

**Third Semester**

| | | |
|---|---|---|
| MAT282 | Calculus III | 4 |
| MAT286 | Linear Algebra | 4 |
| ....... | Humanities Elective* | 3 |
| ....... | Mathematics or Natural Science Elective‡ | 3-4 |
| | | 14-15 |

**Fourth Semester**

| | | |
|---|---|---|
| MAT283 | Differential Equations | 4 |
| ...... | Mathematics or Natural Science Elective‡ | 3-4 |
| | Social Science Elective* | 3 |
| | Humanities Elective‡‡ | 3 |
| ...... | Free Elective‡‡‡ | 3 |
| | | 16-17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
†The student must complete one of the following 8-credit sequences: CHM140/141 and CHM240/241, or PHY186 and PHY286, or PHY280 and PHY290.
‡The student must choose from among the following courses: MAT155, MAT265, MAT285, CHM140/141, CHM240/241, PHY186, PHY280, PHY286, PHY290, PHY291.
‡‡One general education course to be selected from the following fields: Arts (Art [ART], Cinema Studies [CIN], Music [MUS], Theatre Arts [THR]); History (HIS); Literature (LIT); World Languages and Cultures (LAN)
‡‡‡Recommended: IST123 Success 101.

**Program: Natural Sciences or Mathematics – Physics Option**
**Degree: Associate in Science**
**Code: AS.NSM.PHYSC**

**GENERAL EDUCATION REQUIREMENTS**                30

**Communication**                                 9

| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
|---|---|

WRT101 English Composition I                       3
WRT201 English Composition II                      3

**Humanities Electives***                          6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective***                       3
One general education course selected from the following
fields: Economics (ECO); Geography (GEO); Political
Science (POL); Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

**Mathematics, Natural Science, and Technology**   12
MAT280 Calculus I                                  4
MAT281 Calculus II                                 4
PHY280 Physics I                                   4

**PROGRAM REQUIREMENTS**                           24
PHY290 Physics II                                  4
PHY291 Physics III                                 4
PHY294 Engineering Mechanics                       4
MAT282 Calculus III                                4
Natural Science Elective***                        4
Natural Science Elective***                        4

**PROGRAM SUPPORT REQUIREMENTS**                   9
Two general education courses* to be selected      6
from the following fields, with no more than one
in any one field: Arts (Art [ART], Music [MUS],
Theatre Arts [THR], Cinema Studies [CIN]);
History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

One general education course* to be selected       3
from the following fields: Economics (ECO);
Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

**FREE ELECTIVE***                                 3

**TOTAL CREDITS**                                  66

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| MAT280 | Calculus I | 4 |
|---|---|---|
| PHY280 | Physics I | 4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Social Science Elective* | 3 |
| | | 17 |

**Second Semester**

| MAT281 | Calculus II | 4 |
|---|---|---|
| PHY290 | Physics II | 4 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Free Elective** | 3 |
| | | 17 |

**Third Semester**

| MAT282 | Calculus III | 4 |
|---|---|---|
| PHY291 | Physics III | 4 |
| ...... | Humanities Elective* | 3 |
| ...... | Natural Science Elective*** | 4 |
| | | 15 |

**Fourth Semester**

| PHY294 | Engineering Mechanics | 4 |
|---|---|---|
| ...... | Natural Science Elective*** | 4 |
| ...... | Humanities Elective* | 6 |
| ...... | Social Science Elective* | 3 |
| | | 17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**CIS270 Programming for Scientific Applications (3 cr.), is strongly recommended; or WEX101 Dynamics of Health and Fitness (2 cr.) plus a WEX experience course (1 cr.): WEX201, WEX202, WEX204, WEX205, WEX206, or WEX208; or IST123 Success 101.
***CHM140/141 General Chemistry I and CHM240/241 General Chemistry II are recommended.

## AS Degree Program in Engineering Science

| Curriculum Requirements | | |
|---|---|---|
| **Program: Engineering Science** **Degree: Associate in Arts** **Code: AS.ENGIN.SCI** | | |

| Area of Study | Credits | Course Description |
|---|---|---|
| Communication | 9 | WRT101 English Composition I (3 cr.) WRT201 English Composition II (3 cr.) COM100 Speech Communication (3 cr.) or COM102 Public Speaking (3 cr.) |
| Humanities | 6 | Two general education courses (6 cr.) to be selected from the following fields, with no more than one course (3 cr.) in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]) Literature (LIT) Philosophy and Religion (PHR) World Languages and Cultures (LAN) |
| Social Sciences | 3 | One general education course (3 cr.) to be selected from the following fields: Economics (ECO) Geography (GEO) Political Science (POL) Psychology (PSY) Sociology (SOC) and Anthropology (ANT) |
| Mathematics and Natural Sciences | 12* | One or two 4-cr. general education courses (4-8 cr.) in Mathematics (MAT) One or two 4-cr. general education courses (4-8 cr.) to be selected from the following fields: Biology (BIO) Chemistry (CHM) Physics (PHY) |
| Total GE Credits: | 30 | |
| Restricted Program Requirements | 33 | |
| Free Electives | 3 | Programs can make recommendations in footnotes. |
| Total Credits | 64-66 | |

*If a student takes 8 General Education Foundation credits in MAT, then s/he must take 4 General Education Foundation credits in Natural Sciences; and if s/he takes 8 General Education Foundation credits in Natural Sciences, then s/he must take 4 General Education Foundation credits in MAT. Combination of MAT and Natural Sciences in the Foundation = 12 credits.

**Program: Engineering Science**
**Degree: Associate in Science**
**Code: AS.ENGIN.SCI**

## GENERAL EDUCATION REQUIREMENTS    30

### RECOMMENDED SEMESTER SEQUENCE

**Communication**    9

| | | |
|---|---|---|
| COM... COM100 Speech Communication or | | 3 |
| COM102 Public Speaking | | |
| WRT101 English Composition I | | 3 |
| WRT201 English Composition II | | 3 |

**Humanities Electives***    6

Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN)

**Social Science Elective***    3

One general education course selected from the following
fields: Economics (ECO); Geography (GEO); Political
Science (POL); Psychology (PSY); Sociology (SOC) and
Anthropology (ANT)

**Mathematics and Natural Sciences**    12

MAT280 Calculus I    4
MAT281 Calculus II    4
PHY280 Physics I    4

**PROGRAM REQUIREMENTS**    33

PHY290 Physics II    4
PHY291 Physics III    4
PHY294 Engineering Mechanics    4
CHM140 General Chemistry I    3
CHM141 General Chemistry I Lab    1
CHM240 General Chemistry II    3
CHM241 General Chemistry II Lab    1
CIS270 Programming for Scientific Applications    3
DFT107 Drafting I    2
MAT282 Calculus III    4
MAT283 Differential Equations    4

**FREE ELECTIVE‡‡**    3

**TOTAL CREDITS**    66

**First Semester**

| | | |
|---|---|---|
| MAT280 | Calculus I | 4 |
| PHY280 | Physics I | 4 |
| CHM140 | General Chemistry I | 3 |
| CHM141 | General Chemistry I Lab | 1 |
| DFT107 | Drafting I | 2 |
| WRT101 | English Composition I | 3 |
| | | 17 |

**Second Semester**

| | | |
|---|---|---|
| PHY290 | Physics II | 4 |
| MAT281 | Calculus II | 4 |
| CIS270 | Programming for Scientific Applications | 4 |
| CHM240 | General Chemistry II | 3 |
| CHM241 | General Chemistry II Lab | 1 |
| WRT201 | English Composition II | 3 |
| | | 18 |

**Third Semester**

| | | |
|---|---|---|
| PHY291 | Physics III | 4 |
| MAT282 | Calculus III | 4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| ...... | Humanities Elective*† | 3 |
| ...... | Social Science Elective*‡ | 3 |
| | | 17 |

**Fourth Semester**

| | | |
|---|---|---|
| PHY294 | Engineering Mechanics | 4 |
| MAT283 | Differential Equations | 4 |
| ...... | Humanities Elective*† | 3 |
| ...... | Free Elective‡‡ | 3 |
| | | 14 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
†Recommended: HIS101 History of Western Civilization to the Reformation and HIS102 History of Western Civilization since the Reformation
‡Recommended: ECO101 Macro Economics
‡‡ Recommended: ECO201 Micro Economics

## AS Degree Program(s) in Professional Studies

| Curriculum Requirements | | |
|---|---|---|
| **Program: Professional Studies – General Curriculum**<br>**Degree: Associate in Science**<br>**Code: AS.PS.GEN** | | |
| **Area of Study** | **Credits** | **Course Description** |
| Communication | 9 | WRT101 English Composition I (3 cr.)<br>WRT201 English Composition II (3 cr.)<br>COM100 Speech Communication (3 cr.) or COM102 Public Speaking (3 cr.) |
| Humanities | 6 | Two general education courses (6 cr.) to be selected from the following fields, with no more than one course (3 cr.) in any one field:<br>Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN])<br>Literature (LIT)<br>Philosophy and Religion (PHR)<br>World Languages and Cultures (LAN) |
| Social Sciences | 3 | One general education course (3 cr.) to be selected from the following fields:<br>Economics (ECO)<br>Geography (GEO)<br>Political Science (POL)<br>Psychology (PSY)<br>Sociology (SOC) and Anthropology (ANT) |
| Mathematics and Natural Sciences | 11-12 | One 3-cr. or 4-cr. general education course in Mathematics (MAT)<br><br>Two general education courses (8 cr.) to be selected from the following fields:<br>Biology (BIO)<br>Chemistry (CHM)<br>Physics (PHY) |
| General Education Elective | 0-3 | If needed to reach the Foundation minimum of 30-32 credits, one course from the BCC General Education course list. If not needed for that purpose, then 3-credit Free Elective. |
| **Total GE Credits:** | **30-32** | |
| AS/PS Program Support Requirements in Humanities and Social Sciences | 12 | Three general education courses (9 cr.) to be selected from the following fields, with no more than two courses (6 cr.) in any one field:<br>Arts (Art [ART], Music [MUS], Theatre Arts [THR])<br>History (HIS)<br>Literature (LIT)<br>Philosophy and Religion (PHR)<br>World Languages and Cultures (LAN)<br><br>One general education course (3 cr.) to be selected from the following fields:<br>Economics (ECO)<br>Geography (GEO)<br>Political Science (POL)<br>Psychology (PSY)<br>Sociology (SOC) and Anthropology (ANT) |
| AS/PS Program Requirements | 15-18 | |
| Free Electives | 3-6 | |
| Total Credits | 64-66 | |

**Program: Professional Studies – General Curriculum**
**Degree: Associate in Science**
**Code: AS.PS.GEN**

| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|

| **Communication** | **9** |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives***      **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN)

**Social Science Elective***      **3**
One general education course selected from the following
fields: Economics (ECO); Geography (GEO); Political
Science (POL); Psychology (PSY); Sociology (SOC) and
Anthropology (ANT)

| **Mathematics and Natural Sciences** | **11-12** |
|---|---|
| Mathematics* | 3-4 |
| Natural Science Electives* | 8 |

**Additional General Education Elective**      **0-3**
If needed to reach the Foundation minimum of 30-32
credits, take one course from the BCC General Education
course list. If an additional course is not needed for that
purpose, then the student may take a 3-credit free
elective or no additional credit in this category.

| **PROGRAM SUPPORT REQUIREMENTS** | **12** |
|---|---|
| Three general education courses (9 cr.) selected from the | 9 |

following fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN)

One general education course (3 cr.) to be selected from      3
the following fields: Economics (ECO); Geography (GEO);
Political Science (POL); Psychology (PSY); Sociology (SOC)
and Anthropology (ANT)

| **PROGRAM REQUIREMENTS** | **15-18** |
|---|---|
| **FREE ELECTIVES**** | **3-6** |
| **TOTAL CREDITS** | **64-66** |

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| MAT... | Mathematics Elective* | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Program Requirements | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| ...... | General Education Elective* or Free Elective** | 3 |
| ...... | Program Requirements | 3 |
| | | 15 |

**Third Semester**

| | | |
|---|---|---|
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| ...... | Program Requirements | 6 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Electives* | 6 |
| ...... | Program Requirements | 3-6 |
| ...... | Free Elective** | 3-6 |
| | | 16-19 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**Recommended: IST123 Success 101.

**Program: Professional Studies – Aviation Administration Option**
**Degree: Associate in Science**
**Code: AS.PS.AVT.ADM**

## GENERAL EDUCATION REQUIREMENTS 30

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| Humanities | 6 |
|---|---|
| HIS101 History of Western Civ. to the Reformation or HIS102 History of Western Civ. since the Reformation | 3 |
| LIT201 American Literature to 1880 or LIT202 American Literature to the Present | 3 |

| Social Science: ECO101 Macroeconomics | 3 |
|---|---|

| Mathematics and Natural Sciences | 12 |
|---|---|
| MAT180 Precalculus | 4 |
| PHY186 General Physics I | 4 |
| PHY286 General Physics II | 4 |

## PROGRAM REQUIREMENTS 18

| ACC101 Accounting I or ACC110 Financial Accounting | 3 |
|---|---|
| AVT100 Introduction to Aeronautics | 3 |
| AVT240 Aviation Safety | 3 |
| BUS101 Introduction to Business | 3 |
| BUS110 Transportation Logistics & Supply Chain Management or BUS207 Principles of Management | 3 |
| WRT202 Technical Writing | 3 |

## PROGRAM SUPPORT REQUIREMENTS 12

| LIT203 World Literature to 1650 or LIT204 World Literature 1650 to the Present | 3 |
|---|---|
| LAN110 French I or LAN113 Spanish I | 3 |
| LAN200 French II or LAN130 Spanish II | 3 |
| POL101 American Government | 3 |

| FREE ELECTIVE or MAT280 Calculus I* | 4 |
|---|---|

| TOTAL CREDITS | 64 |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| ACC101 | Accounting I or | 3 |
|---|---|---|
| ACC110 | Financial Accounting | |
| BUS101 | Introduction to Business | 3 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| MAT180 | Precalculus | 4 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Second Semester**

| AVT100 | Introduction to Aeronautics | 3 |
|---|---|---|
| BUS110 | Trans. Logistics & Supply Chain Mgmt or | 3 |
| BUS207 | Principles of Management | |
| ECO101 | Macroeconomics | 3 |
| ...... | Free Elective* or | 4 |
| MAT280 | Calculus I* | |
| WRT201 | English Composition II | 3 |
| | | 16 |

**Third Semester**

| HIS101 | History of Western Civ. to the Reformation or | 3 |
|---|---|---|
| HIS102 | History of Western Civ. since the Reformation | |
| LAN110 | French I or | 3 |
| LAN113 | Spanish I | |
| LIT201 | American Literature to 1880 or | 3 |
| LIT202 | American Lit 1880 to the Present | |
| PHY186 | General Physics I | 4 |
| WRT202 | Technical Writing | 3 |
| | | 16 |

**Fourth Semester**

| AVT240 | Aviation Safety | 3 |
|---|---|---|
| LAN200 | French II or | 3 |
| LAN230 | Spanish II | |
| LIT203 | World Literature to 1650 or | 3 |
| LIT204 | World Literature 1650 to the Present | |
| PHY286 | General Physics II | 4 |
| POL101 | American Government | 3 |
| | | 16 |

**Specific Program Notes**
*MAT280 is strongly recommended for students planning to transfer to Vaughn College of Aeronautics and Technology.

**Program: Professional Studies – Broadcasting Option**
**Degree: Associate in Science**
**Code: AS.PS.BRCAST**

| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|

**Communication** — 9

| | |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives*** — 6
Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN)

**Social Science Elective*** — 3
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT)

**Mathematics and Natural Sciences** — 11-12
Mathematics* — 3-4
Natural Science Electives* — 8

**Additional General Education Elective*** — 0-3
If needed to reach the Foundation minimum of 30-32 credits, take one course from the BCC General Education course list. If an additional course is not needed for that purpose, then the student must take a 3-credit free elective.

**PROGRAM SUPPORT REQUIREMENTS** — 12
Three general education courses (9 cr.) selected from the — 9
following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN)

One general education course (3 cr.) to be selected from — 3
the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT)

**PROGRAM REQUIREMENTS** — 18
COM101 Mass Media of Communication — 3
COM103 Intro to Radio/TV Production — 3
COM105 Radio Production — 3
COM106 TV Production I — 3

| | |
|---|---|
| COM205 Advanced Radio Production or COM208 Directing for TV | 3 |
| COM207 TV Production II or COM207 Video Post Production | 3 |

**FREE ELECTIVES*** — 3-6

**TOTAL CREDITS** — 65-66

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**Recommended: IST123 Success 101.

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| MAT... | Mathematics Elective* | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective* | 3 |
| COM101 | Mass Media of Communication | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| ...... | General Education Elective* or Free Elective** | 3 |
| COM103 | Intro to Radio/TV Production | 3 |
| | | 15 |

**Third Semester**

| | | |
|---|---|---|
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| COM105 | Radio Production | 3 |
| COM106 | TV Production I | 3 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Electives* | 6 |
| COM205 | Advanced Radio Production or | 3 |
| COM208 | Directing for TV | |
| COM207 | TV Production II or | 3 |
| COM207 | Video Post Production | |
| ...... | Free Elective** | 3 |
| | | 19 |

**Program: Professional Studies – Business Administration – General Option**
**Degree: Associate in Science**
**Code: AS.PS.BUS.ADM**

## GENERAL EDUCATION REQUIREMENTS 30-32

| Communication | 9 |
| --- | --- |
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives***     6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

**Social Science Course:** ECO101 Macroeconomics     3

| Mathematics and Natural Sciences | 11-12 |
| --- | --- |
| Mathematics*† | 3-4 |
| Natural Science Electives* | 8 |

**Additional General Education Elective**     0-3
If needed to reach the Foundation minimum of 30-32
credits, take one course from the BCC General Education
course list. If an additional course is not needed for that
purpose, then the student must take a 3-credit free elective.

## PROGRAM SUPPORT REQUIREMENTS 12
                                      9
Three general education courses (9 cr.) selected from
the following fields, with no more than two courses in
any one field: Arts (Art [ART], Music [MUS], Theatre
Arts [THR], Cinema Studies [CIN]); History (HIS);
Literature (LIT);Philosophy and Religion (PHR);
World Languages and Cultures (LAN).

One of the following Social Science courses:     3
ECO201 Microeconomics*
PSY101 General Psychology
SOC101 Sociology

| PROGRAM REQUIREMENTS | 18 |
| --- | --- |
| ACC110 Financial Accounting | 3 |
| ACC210 Managerial Accounting | 3 |
| BUS101 Intro to Business Administration | 3 |
| ...... Business Electives‡ | 9 |

| FREE ELECTIVES | 3-6 |
| --- | --- |

| TOTAL CREDITS | 64-66 |
| --- | --- |

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| ACC110 | Financial Accounting | 3 |
| --- | --- | --- |
| BUS101 | Intro to Business Administration | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| ACC210 | Managerial Accounting | 3 |
| --- | --- | --- |
| ...... | Business Elective‡ | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Electives* | 6 |
| ECO101 | Macroeconomics | 3 |
| | | 18 |

**Third Semester**

| ...... | Business Elective‡ | 3 | |
| --- | --- | --- | --- |
| ECO201 | Microeconomics or | | 3 |
| PSY101 | General Psychology or | | 3 |
| SOC101 | Sociology | | 3 |
| ...... | Humanities Electives* | | 6 |
| ...... | Natural Science Elective* | | 4 |
| | | | 16 |

**Fourth Semester**

| ... .. | Business Elective‡ | 3 |
| --- | --- | --- |
| ...... | Humanities Elective* | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | General Education Elective* or Free Elective‡‡ | 3 |
| ...... | Free Elective‡‡‡ | 3 |
| | | 16 |

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**Specific Program Notes**
*General Education Elective - See Page 1.
†General Education Elective in Mathematics – before selecting your Mathematics elective, check the requirements of the schools
you are considering for transfer. If you are uncertain about where you plan to transfer, the following courses are transferable to
business programs at a number of local colleges: MAT150, MAT155, MAT180, or MAT223.
‡Any BUS course, or INF101, or BNF201. Before selecting your Business electives, check the requirements of the schools you are
considering for transfer. If you are uncertain about where you plan to transfer, the following courses are transferable to business
programs at a number of local colleges: BUS201, BUS207, BUS233, BUS234, or INF101.
‡‡Recommended: BUS463 Co-op Work Experience (Business Administration.)
‡‡‡Recommended: IST123 Success 101 or WEX101 (2 cr.) and a WEX experience course (1 cr.): WEX201, WEX204, WEX205,
WEX206, or WEX208.

**Program: Professional Studies – Business Administration – Accounting Option**
**Degree: Associate in Science**
**Code: AS.PS.BUS.ACCT**

| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|

| **Communication** | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives\*** — 6

Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Course:** ECO101 Macroeconomics — 3

| **Mathematics and Natural Sciences** | 11-12 |
|---|---|
| Mathematics\*† | 3-4 |
| Natural Science Electives\* | 8 |

**Additional General Education Elective** — 0-3

If needed to reach the Foundation minimum of 30-32 credits, take one course from the BCC General Education course list. If an additional course is not needed for that purpose, then the student must take a 3-credit free elective.

| **PROGRAM SUPPORT REQUIREMENTS** | 12 |
|---|---|
| Three general education courses (9 cr.) selected from | 9 |

the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT);Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Course:** ECO201 Microeconomics — 3

| **PROGRAM REQUIREMENTS** | 18 |
|---|---|
| ACC110 Financial Accounting | 3 |
| ACC210 Managerial Accounting | 3 |
| ACC202 Intermediate Accounting I | 3 |
| BUS101 Intro to Business Administration | 3 |
| BUS201 Marketing Principles | 3 |
| ...... Business Elective‡ | 3 |

| **FREE ELECTIVES** | 3-6 |
|---|---|

| **TOTAL CREDITS** | 64-66 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| BUS101 | Intro to Business Administration | 3 |
|---|---|---|
| ECO101 | Macroeconomics | 3 |
| MAT... | Mathematics Elective\*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| ACC110 | Financial Accounting | 3 |
|---|---|---|
| BUS201 | Marketing Principles | 3 |
| ECO201 | Microeconomics | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Electives\* | 6 |
| | | 18 |

**Third Semester**

| ACC210 | Managerial Accounting | 3 |
|---|---|---|
| ...... | Business Elective‡ | 3 |
| ...... | Humanities Electives\* | 6 |
| ...... | Natural Science Elective\* | 4 |
| | | 16 |

**Fourth Semester**

| ACC202 | Intermediate Accounting I | 3 |
|---|---|---|
| ...... | Humanities Elective\* | 3 |
| ...... | Natural Science Elective\* | 4 |
| ...... | General Education Elective\* or Free Elective‡‡ | 3 |
| ...... | Free Elective‡‡ | 3 |
| | | 16 |

**Specific Program Notes**
\*General Education Elective - See Page 1.
†General Education Elective in Mathematics – before selecting your Mathematics elective, check the requirements of the schools you are considering for transfer. If you are uncertain about where you plan to transfer, the following courses are transferable to business programs at a number of local colleges: MAT150, MAT155, MAT180, or MAT223.
‡BUS207 or INF101.
‡‡Recommended: IST123 Success 101 or WEX101 (2 cr.) and a WEX experience course (1 cr.): WEX201, WEX204, WEX205, WEX206, or WEX208.

**Program: Professional Studies – Hospitality Option**
**Degree: Associate in Science**
**Code: AS.PS.BUS.HOSP**

| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|
| **Communication** | **9** |

| COM... COM100 Speech Communication or | 3 |
|---|---|
| COM102 Public Speaking | |

| WRT101 English Composition I | 3 |
|---|---|
| WRT201 English Composition II | 3 |

**Humanities Electives\*\***      **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

| Social Science Course: ECO101 Macroeconomics | 3 |
|---|---|

| **Mathematics and Natural Sciences** | **11-12** |
|---|---|
| Mathematics* | 3-4 |
| Natural Science Electives** | 8 |

**Additional General Education Elective**      **0-3**
If needed to reach the Foundation minimum of 30-32
credits, take one course from the BCC General Education
course list. If an additional course is not needed for that
purpose, then the student must take a 3-credit free elective.

| **PROGRAM SUPPORT REQUIREMENTS** | **12** |
|---|---|
| Three general education courses (9 cr.) selected from | **9** |

the following fields, with no more than two courses in
any one field: Arts (Art [ART], Music [MUS], Theatre
Arts [THR], Cinema Studies [CIN]); History (HIS);
Literature (LIT);Philosophy and Religion (PHR);
World Languages and Cultures (LAN).

| One of the following Social Science courses: | 3 |
|---|---|
| ECO201 Microeconomics* | |
| PSY101 General Psychology | |
| SOC101 Sociology | |

| **PROGRAM REQUIREMENTS** | **18** |
|---|---|
| ACC110 Financial Accounting | 3 |
| ACC210 Managerial Accounting | 3 |
| BUS101 Intro to Business Administration | 3 |
| HRM101 Intro to Hospitality Management | 3 |
| ...... Hotel/Restaurant/Hospitality*** | 3 |
| ...... Business Electives**** | 3 |

| **FREE ELECTIVES** | **3-6** |
|---|---|

| **TOTAL CREDITS** | **65-66** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| ACC110 | Financial Accounting | 3 |
|---|---|---|
| BUS101 | Intro to Business Administration | 3 |
| HRM101 | Intro to Hospitality Management | 3 |
| MAT... | Mathematics Elective* | 3-4 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| ACC210 | Managerial Accounting | 3 |
|---|---|---|
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Electives** | 6 |
| ECO101 | Macroeconomics | 3 |
| | | 18 |

**Third Semester**

| ...... | Hotel/Restaurant/Hospitality Elective*** | 3 |
|---|---|---|
| ECO201 | Microeconomics or | 3 |
| PSY101 | General Psychology or | 3 |
| SOC101 | Sociology | 3 |
| ...... | Humanities Electives** | 6 |
| ...... | Natural Science Elective* | 4 |
| | | 16 |

**Fourth Semester**

| ...... | Business Elective**** | 3 |
|---|---|---|
| ...... | Humanities Elective** | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | General Education Elective* or | 3 |
| ...... | Free Elective† | |
| ...... | Free Elective† | 3 |
| | | 16 |

**Specific Program Notes**
*General Education Elective - See Page 1. General Education Elective in Mathematics – before selecting your Mathematics elective,
check the requirements of the schools you are considering for transfer. If you are uncertain about where you plan to transfer, the
following courses are transferable to business programs at a number of local colleges: MAT150, MAT155, MAT180, or MAT223.
**General Education Elective - See Page 1. Recommended Humanities Electives: six credits of Literature; three credits of
Philosophy; and six credits of one World Language.
***HRM104, ACC206, or HRM/LGL219.
****BUS201, BUS207, or BUS/HRM129.
†Recommended: IST123 Success 101 or INF101 Introduction to Information Technology.

**Program: Professional Studies – Business Administration – International Trade Option**
**Degree: Associate in Science**
**Code: AS.PS.BUS.INTL**

| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|

**Communication** — 9

| | |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives*** — 6
Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Course: ECO101 Macroeconomics** — 3

| **Mathematics and Natural Sciences** | 11-12 |
|---|---|
| Mathematics*† | 3-4 |
| Natural Science Electives* | 8 |

**Additional General Education Elective** — 0-3
If needed to reach the Foundation minimum of 30-32 credits, take one course from the BCC General Education course list. If an additional course is not needed for that purpose, then the student must take a 3-credit free elective.

| **PROGRAM SUPPORT REQUIREMENTS** | 12 |
|---|---|
| Three general education courses (9 cr.) selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT);Philosophy and Religion (PHR); World Languages and Cultures (LAN). | 9 |

One of the following Social Science courses: — 3
ECO201 Microeconomics*
PSY101 General Psychology
SOC101 Sociology

| **PROGRAM REQUIREMENTS** | 18 |
|---|---|
| ACC110 Financial Accounting | 3 |
| ACC210 Managerial Accounting | 3 |
| BUS101 Intro to Business Administration | 3 |
| BUS262 Fundamentals of International Business | 3 |
| ...... Business International Trade Elective‡ | 3 |
| ...... Business Elective‡‡ | 3 |

| **FREE ELECTIVES** | 3-6 |
|---|---|

| **TOTAL CREDITS** | 64-66 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| ACC110 | Financial Accounting | 3 |
| BUS101 | Intro to Business Administration | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| ACC210 | Managerial Accounting | 3 |
| BUS262 | Fundamentals of Internat'l Business | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Electives* | 6 |
| ECO101 | Macroeconomics | 3 |
| | | 18 |

**Third Semester**

| | | |
|---|---|---|
| ...... | Business International Trade Elective‡ | 3 |
| ECO201 | Microeconomics | 3 |
| | or | |
| PSY101 | General Psychology | 3 |
| | or | |
| SOC101 | Sociology | 3 |
| ...... | Humanities Electives* | 6 |
| ...... | Natural Science Elective* | 4 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| ...... | Business Elective‡‡ | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | General Education Elective* or | 3 |
| ...... | Free Elective‡‡‡ | |
| ...... | Free Elective‡‡‡‡ | 3 |
| | | 16 |

**Specific Program Notes**
*General Education Elective - See Page 1.
†General Education Elective in Mathematics -- before selecting your Mathematics elective, check the requirements of the schools you are considering for transfer. If you are uncertain about where you plan to transfer, the following courses are transferable to business programs at a number of local colleges: MAT150, MAT155, MAT180, or MAT223.
‡BUS202, BUS207, BNF208.
‡‡BUS201, BUS207, INF101.
‡‡‡Recommended: BUS463 Co-op Work Experience with an international trade position.
‡‡‡‡Recommended: IST123 Success 101 or WEX101 (2 cr.) and a WEX experience course (1 cr.): WEX201, WEX204, WEX205, WEX206, or WEX208.

**Program: Professional Studies – Business Administration – Management Option**
**Degree: Associate in Science**
**Code: AS.PS.BUS.MGMT**

## GENERAL EDUCATION REQUIREMENTS — 30-32

**Communication** — 9

| | | |
|---|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | | 3 |
| WRT101 English Composition I | | 3 |
| WRT201 English Composition II | | 3 |

**Humanities Electives*** — 6
Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Course:** ECO101 Macroeconomics — 3

**Mathematics and Natural Sciences** — 11-12
Mathematics*† — 3-4
Natural Science Electives* — 8

**Additional General Education Elective** — 0-3
If needed to reach the Foundation minimum of 30-32 credits, take one course from the BCC General Education course list. If an additional course is not needed for that purpose, then the student must take a 3-credit free elective.

## PROGRAM SUPPORT REQUIREMENTS — 12
Three general education courses (9 cr.) selected from — 9
the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT);Philosophy and Religion (PHR); World Languages and Cultures (LAN).

One of the following Social Science courses: — 3
ECO201 Microeconomics*
PSY101 General Psychology
SOC101 Sociology

## PROGRAM REQUIREMENTS — 18
ACC110 Financial Accounting — 3
ACC210 Managerial Accounting — 3
BUS101 Intro to Business Administration — 3
BUS207 Principles of Management — 3
...... Business Electives‡ — 6

## FREE ELECTIVES — 3-6

## TOTAL CREDITS — 64-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| ACC110 | Financial Accounting | 3 |
| BUS101 | Intro to Business Administration | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| ACC210 | Managerial Accounting | 3 |
| BUS207 | Principles of Management | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Electives* | 6 |
| ECO101 | Macroeconomics | 3 |
| | | 18 |

**Third Semester**

| | | |
|---|---|---|
| ...... | Business Elective‡ | 3 |
| ECO201 | Microeconomics or | 3 |
| PSY101 | General Psychology or | 3 |
| SOC101 | Sociology | 3 |
| ...... | Humanities Electives* | 6 |
| ...... | Natural Science Elective* | 4 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| ...... | Business Elective‡ | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | General Education Elective* or Free Elective‡‡ | 3 |
| ...... | Free Elective‡‡‡ | 3 |
| | | 16 |

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**Specific Program Notes**
*General Education Elective - See Page 1.
†General Education Elective in Mathematics – before selecting your Mathematics elective, check the requirements of the schools you are considering for transfer. If you are uncertain about where you plan to transfer, the following courses are transferable to business programs at a number of local colleges: MAT150, MAT155, MAT180, or MAT223.
‡BUS170, BUS201, BUS205, BUS208, BUS209, BUS223, BUS224, INF101.
‡‡Recommended: BUS463 Co-op Work Experience with a managerial position.
‡‡‡Recommended: IST123 Success 101 or WEX101 (2 cr.) and a WEX experience course (1 cr.): WEX201, WEX204, WEX205, WEX206, or WEX208.

**Program: Professional Studies – Business Administration – Marketing Option**
**Degree: Associate in Science**
**Code: AS.PS.BUS.MKTG**

| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives\***     **6**
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

| Social Science Course: ECO101 Macroeconomics | 3 |
|---|---|

| Mathematics and Natural Sciences | 11-12 |
|---|---|
| Mathematics\*† | 3-4 |
| Natural Science Electives\* | 8 |

**Additional General Education Elective**     **0-3**
If needed to reach the Foundation minimum of 30-32 credits, take one course from the BCC General Education course list. If an additional course is not needed for that purpose, then the student must take a 3-credit free elective.

| PROGRAM SUPPORT REQUIREMENTS | 12 |
|---|---|
|  | 9 |

Three general education courses (9 cr.) selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT);Philosophy and Religion (PHR); World Languages and Cultures (LAN).

| One of the following Social Science courses: | 3 |
|---|---|

ECO201 Microeconomics\*
PSY101 General Psychology
SOC101 Sociology

| PROGRAM REQUIREMENTS | 18 |
|---|---|
| ACC110 Financial Accounting | 3 |
| ACC210 Managerial Accounting | 3 |
| BUS101 Intro to Business Administration | 3 |
| BUS201 Marketing Principles | 3 |
| BUS... Business Marketing Elective‡ | 3 |
| ...... Business Elective‡‡ | 3 |

| FREE ELECTIVES | 3-6 |
|---|---|

| TOTAL CREDITS | 64-66 |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| ACC110 | Financial Accounting | 3 |
| BUS101 | Intro to Business Administration | 3 |
| MAT... | Mathematics Elective\*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| ACC210 | Managerial Accounting | 3 |
| BUS201 | Marketing Principles | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Electives\* | 6 |
| ECO101 | Macroeconomics | 3 |
| | | 18 |

**Third Semester**

| | | |
|---|---|---|
| BUS... | Business Marketing Elective‡ | 3 |
| ECO201 | Microeconomics | 3 |
| | or | |
| PSY101 | General Psychology | 3 |
| | or | |
| SOC101 | Sociology | 3 |
| ...... | Humanities Electives\* | 6 |
| ...... | Natural Science Elective\* | 4 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| ...... | Business Elective‡‡ | 3 |
| ...... | Humanities Elective\* | 3 |
| ...... | Natural Science Elective\* | 4 |
| ...... | General Education Elective\* or | 3 |
| ...... | Free Elective‡‡‡ | |
| ...... | Free Elective‡‡‡‡ | 3 |
| | | 16 |

**Specific Program Notes**
\*General Education Elective - See Page 1.
†General Education Elective in Mathematics – before selecting your Mathematics elective, check the requirements of the schools you are considering for transfer. If you are uncertain about where you plan to transfer, the following courses are transferable to business programs at a number of local colleges: MAT150, MAT155, MAT180, or MAT223.
‡BUS203, BUS210, BUS250.
‡‡BUS207, BUS223, BUS271, INF101.
‡‡‡Recommended: BUS463 Co-op Work Experience with a marketing position.
‡‡‡‡Recommended: IST123 Success 101 or WEX101 (2 cr.) and a WEX experience course (1 cr.): WEX201, WEX204, WEX205, WEX206, or WEX208.

**Program: Professional Studies – Nonprofit Management Option**
**Degree: Associate in Science**
**Code: AS.PS.BUS.NONPRF.MGT**

## GENERAL EDUCATION REQUIREMENTS    30-32

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives**    **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

**Social Science Course: ECO101 Macroeconomics**    **3**

| Mathematics and Natural Sciences | 11-12 |
|---|---|
| Mathematics* | 3-4 |
| Natural Science Electives** | 8 |

**Additional General Education Elective**    **0-3**
If needed to reach the Foundation minimum of 30-32
credits, take one course from the BCC general education
course list. If an additional course is not needed for that
purpose, then the student must take a 3-credit free elective.

## PROGRAM SUPPORT REQUIREMENTS    12
Three general education courses (9 cr.) selected from    9
the following fields, with no more than two courses in
any one field: Arts (Art [ART], Music [MUS], Theatre
Arts [THR], Cinema Studies [CIN]); History (HIS);
Literature (LIT);Philosophy and Religion (PHR);
World Languages and Cultures (LAN).

One of the following Social Science courses:    3
ECO201 Microeconomics
PSY101 General Psychology
SOC101 Sociology

| PROGRAM REQUIREMENTS | 18 |
|---|---|
| ACC110 Financial Accounting | 3 |
| ACC210 Managerial Accounting | 3 |
| BUS115 Intro to Nonprofit Organizations | 3 |
| ...... Business Administration Electives*** | 6 |
| ...... Nonprofit Course Elective** | 3 |

**FREE ELECTIVE‡**    **3**

**TOTAL CREDITS**    **65-66**

## RECOMMENDED SEMESTER SEQUENCE

### First Semester
| ACC110 | Financial Accounting | 3 |
|---|---|---|
| BUS115 | Intro to Nonprofit Organizations | 3 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| ECO101 | Macroeconomics | 3 |
| WRT101 | English Composition I | 3 |
| | | 15 |

### Second Semester
| ACC210 | Managerial Accounting | 3 |
|---|---|---|
| ECO201 | Microeconomics or | 3 |
| PSY101 | General Psychology or | 3 |
| SOC101 | Sociology | 3 |
| MAT... | Mathematics Elective* | 3-4 |
| ...... | Humanities Elective** | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Nonprofit Course Elective*** | 3 |
| | | 18-19 |

### Third Semester
| ...... | Business Administration Elective***** | 3 |
|---|---|---|
| ...... | Humanities Electives* | 9 |
| ...... | Natural Science Elective* | 4 |
| | | 16 |

### Fourth Semester
| ...... | Business Administration Elective***** | 3 |
|---|---|---|
| ...... | Humanities Elective** | 3 |
| ...... | Natural Science Elective** | 4 |
| ...... | General Education Elective** or Free Elective† | 3 |
| ...... | Free Elective‡ | 3 |
| | | 16 |

**Specific Program Notes**
*General Education Elective in Mathematics - See Page 1. Before selecting your Mathematics elective, check the requirements of
the schools you are considering for transfer. If you are uncertain about where you plan to transfer, the following courses are
transferable to business programs at a number of local colleges: MAT150, MAT155, MAT180, or MAT223.
**General Education Elective – See Page 1. Students seeking careers in theatre management should select THR101 and THR109
among their Humanities electives.
***Select BUS116, LGL209, ACC115 or BUS117, CRJ113, LIT220, POL101, or SOC102. Students seeking careers in theatre
management should select BUS116, LGL209, or ACC115.
****Select from: BUS129, BUS201, BUS207, or BUS208.
†Recommended: General Education course or Co-Op in vocational area of interest.
‡Recommended: IST123 Success 101, INF101, or SOC113. Students seeking careers in theatre management should select
INF114, BUS250, THR110, or THR131.

**Program: Professional Studies – Criminal Justice Option**
**Degree: Associate in Science**
**Code: AS.PS.CRIMJ**

## GENERAL EDUCATION REQUIREMENTS    30-32

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives***    6
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective***    3
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| Mathematics and Natural Sciences | 11-12 |
|---|---|
| Mathematics* | 3-4 |
| Natural Science Electives* | 8 |

**Additional General Education Course**    3
MAT/CIS... Math/Computer Science Elective (3 cr.)*

## PROGRAM SUPPORT REQUIREMENTS    12

Three general education courses (9 cr.) selected from the    9
following fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

One general education course (3 cr.) to be selected from    3
the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| PROGRAM REQUIREMENTS | 18 |
|---|---|
| CRJ101 Introduction to Criminal Justice | 3 |
| CRJ103 Criminal Law | 3 |
| CRJ105 Police Administration | 3 |
| CRJ107 Criminology | 3 |
| CRJ109 Contemporary Issues in Policing | 3 |
| CRJ113 The Juvenile Justice Process | 3 |

**FREE ELECTIVE***    3

**TOTAL CREDITS**    65-66

## RECOMMENDED SEMESTER SEQUENCE

### First Semester

| CRJ101 | Introduction to Criminal Justice | 3 |
|---|---|---|
| CRJ113 | The Juvenile Justice Process | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective*† | 3 |
| ...... | Social Science Elective* | 3 |
| | | 15 |

### Second Semester

| CRJ109 | Contemporary Issues in Policing | 3 |
|---|---|---|
| WRT201 | English Composition II | 3 |
| ...... | Humanities Electives* | 6 |
| ...... | Social Science Elective* | 3 |
| ...... | Free Elective** | 3 |
| | | 18 |

### Third Semester

| CRJ105 | Police Administration | 3 |
|---|---|---|
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| MAT... | Mathematics Elective* | 3-4 |
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Elective* | 3 |
| | | 16-17 |

### Fourth Semester

| CRJ103 | Criminal Law | 3 |
|---|---|---|
| CRJ107 | Criminology | 3 |
| MAT/CIS... | Math/Computer Science Elective* | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Elective* | 3 |
| | | 16 |

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**Specific Program Notes**
*General Education Elective(s) – see page 1. Recommended Humanities electives: HIS111, HIS112, PHR103. Recommended Social Science electives: SOC101, PSY101.
**Recommended: IST123 Success 101; or WEX101 Dynamics of Health and Fitness (2 cr.) plus a WEX experience course (1 cr.): WEX201, WEX202, WEX204, WEX205, WEX206, or WEX208.

**Program: Professional Studies – Education Option**
**Degree: Associate in Science**
**Code: AS.PS.EDU**

| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|

| **Communication** | **9** |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives***    **6**
Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective***    **3**
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| **Mathematics and Natural Sciences** | **11-12** |
|---|---|
| Mathematics* | 3-4 |
| Natural Science Electives* | 8 |

**Additional General Education Elective**    **0-3**
If needed to reach the Foundation minimum of 30-32 credits, take PSY201 Child Psychology. If an additional course is not needed for that purpose, then the student must take a 3-credit free elective.

| **PROGRAM SUPPORT REQUIREMENTS** | **12** |
|---|---|
| Three general education courses (9 cr.) selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). | 9 |
| One general education course (3 cr.) to be selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). | 3 |

| **PROGRAM REQUIREMENTS** | **15-16** |
|---|---|
| EDU101 Introduction to Education | 3 |
| EDU461 Educational Co-op | 1 |
| EDU103 Principles & Practices in Education | 3 |
| EDU102 Introduction to Special Education | 3 |
| EDU110 Foundations of Multicultural Education | 3 |
| PSY101 General Psychology | 3 |

| **FREE ELECTIVES** | **3-6** |
|---|---|

| **TOTAL CREDITS** | **64-66** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| EDU101 | Introduction to Education | 3 |
|---|---|---|
| MAT... | Mathematics Elective* | 3-4 |
| COM100 | Speech Communication | 3 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| ...... | Humanities Elective* | 3 |
| | | 15-16 |

**Second Semester**

| EDU461 | Educational Co-op | 1 |
|---|---|---|
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective*† | 3 |
| ...... | General Education Elective*†† or Free Elective†† | 3 |
| PSY101 | General Psychology | 3 |
| | | 16 |

**Third Semester**

| EDU103 | Principles & Practices in Education | 3 |
|---|---|---|
| EDU102 | Introduction to Special Education | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective*††† | 3 |
| | | 16 |

**Fourth Semester**

| EDU110 | Foundations of Multicultural Ed. | 3 |
|---|---|---|
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Electives* | 6 |
| ...... | Free Elective(s)†††† | 3-6 |
| | | 16-19 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
†SOC102 Introduction to Human Services recommended.
††PSY201 Child Psychology recommended.
†††SOC102 Sociology of the Family recommended.
††††Recommended: IST123 Success 101 or PSY202 Psychology of Adolescence.

**Program: Professional Studies – Exercise Science Option**
**Degree: Associate in Science**
**Code: AS.PS.EXER**

| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives***    **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective***    **3**
One general education course selected from the following
fields: Economics (ECO); Geography (GEO); Political
Science (POL); Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

| Mathematics and Natural Sciences | 11-12 |
|---|---|
| Mathematics* | 3-4 |
| Natural Science Electives* | 8 |

**Additional General Education Elective***    **0-3**
If needed to reach the Foundation minimum of 30-32
credits, take one course from the BCC General Education
course list. If an additional course is not needed for that
purpose, then the student must take a 3-credit free elective.

**PROGRAM SUPPORT REQUIREMENTS**    **12**
Three general education courses (9 cr.) selected from the    **9**
following fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

One general education course (3 cr.) to be selected from    **3**
the following fields: Economics (ECO); Geography (GEO);
Political Science (POL); Psychology (PSY); Sociology (SOC)
and Anthropology (ANT).

| PROGRAM REQUIREMENTS | 18 |
|---|---|
| WEX159 Cardiopulmonary Resuscitation & Emergency First Aid | 3 |
| WEX164 Exercise Science | 3 |
| WEX182 Fitness Measurement | 3 |
| WEX184 Sports Medicine I – Theory and Practice | 3 |
| WEX106 Nutrition for Exercise & Fitness | 3 |
| WEX183 Programs & Principles of Conditioning | 3 |

| FREE ELECTIVES** | 3-6 |
|---|---|

| TOTAL CREDITS | 65-66 |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| WEX159 | Cardiopulmonary Resuscitation & Emergency First Aid | 3 |
| WEX164 | Exercise Science | 3 |
| WRT101 | English Composition I | 3 |
| MAT... | Mathematics Elective* | 3-4 |
| ...... | Humanities Elective* | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| WEX182 | Fitness Measurement | 3 |
| WEX184 | Sports Medicine I - Theory and Practice | 3 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Social Science Elective* | 3 |
| ...... | General Education Elective* or Free Elective** | 3 |
| | | 18 |

**Third Semester**

| | | |
|---|---|---|
| WEX106 | Nutrition for Exercise & Fitness | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Elective* | 6 |
| ...... | Social Science Elective* | 3 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| WEX183 | Programs & Principles of Conditioning | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Electives* | 6 |
| ...... | Free Elective** | 3 |
| | | 16 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**Recommended: IST123 Success 101 or another course recommended by the program concentration (may include WEX101 and WEX200 level courses).

**Program: Professional Studies – Health Science Option**
**Degree: Associate in Science**
**Code: AS.PS.HSC**

| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|

| **Communication** | **9** |
|---|---|
| COM... COM100 Speech Communication or | 3 |
| COM102 Public Speaking | |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives\***     **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

| Social Science Course: PSY101 General Psychology | 3 |
|---|---|

| **Mathematics and Natural Sciences** | **11-12** |
|---|---|
| MAT150 Statistics I | 3 |
| BIO109 Anatomy & Physiology I | 4 |
| BIO209 Anatomy & Physiology II | 4 |

| **Additional General Education Elective\*** | **3** |
|---|---|

**PROGRAM SUPPORT REQUIREMENTS**    **12**
Three general education courses (9 cr.) selected from the    9
following fields, with no more than two courses in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

| One general education course (3 cr.) in the Social Sciences: | 3 |
|---|---|
| SOC101 Sociology | |

| **PROGRAM REQUIREMENTS** | **18** |
|---|---|
| HSC1XX Cross-Cultural Healthcare | 3 |
| HSC/LGL2XX Healthcare Ethics & Law | 3 |
| HSC/BUS2XX Intro to Health Administration | 3 |
| HSC2XX Community Health | 3 |
| HSC2XX Nutrition | 3 |
| MOA140 Medical Terminology | 3 |

| **FREE ELECTIVE\*\*** | **3** |
|---|---|

| **TOTAL CREDITS** | **65** |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| BIO109 | Anatomy & Physiology I | 4 |
| MOA140 | Medical Terminology | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Electives\* | 6 |
| | | 16 |

**Second Semester**

| | | |
|---|---|---|
| BIO209 | Anatomy & Physiology II | 4 |
| HSC1XX | Cross-Cultural Healthcare | 3 |
| PSY101 | General Psychology | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective\* | 3 |
| | | 16 |

**Third Semester**

| | | |
|---|---|---|
| HSC/LGL2XX | Healthcare Ethics & Law | 3 |
| HSC/BUS2XX | Intro to Health Administration | 3 |
| SOC101 | Sociology | 3 |
| MAT150 | Statistics I | 3 |
| ...... | Humanities Elective\* | 3 |
| ...... | General Education Elective\* | 3 |
| | | 18 |

**Fourth Semester**

| | | |
|---|---|---|
| HSC2XX | Community Health | 3 |
| HSC2XX | Nutrition | 3 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| ...... | Humanities Elective\* | 3 |
| ...... | Free Elective\*\* | 3 |
| | | 15 |

**Specific Program Notes**
\*General Education Elective(s) – see page 1.
\*\*Recommended: IST123 Success 101 or another course recommended by the program director.

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**Program: Professional Studies – Information Technology Option**
**Degree: Associate in Science**
**Code: AS.PS.INFO**

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| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|

| **Communication** | **9** |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives\*\*\*** — 6
Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective\*\*\*** — 3
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| **Mathematics and Natural Sciences** | **11-12** |
|---|---|
| Mathematics\*\*\*† | 3-4 |
| Natural Science Electives\*\*\* | 8 |

**Additional General Education Elective\*\*\*** — 0-3
If needed to reach the Foundation minimum of 30-32 credits, take one course from the BCC General Education course list. If an additional course is not needed for that purpose, then the student must take a 3-credit free elective.

| **PROGRAM SUPPORT REQUIREMENTS** | **12** |
|---|---|
| Three general education courses (9 cr.) selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). | 9 |
| One general education course (3 cr.) to be selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). | 3 |

| **PROGRAM REQUIREMENTS** | **18** |
|---|---|
| INF101 Intro to Information Technology | 3 |
| INF108 Systems Analysis & Design | 3 |
| INF... Programming Language Fundamentals Elective\* | 3 |
| INF... Advanced Programming Language Elective\*\* | 3 |
| INF... Restricted INF Elective | 3 |
| BUS101 Introduction to Business | 3 |

| **FREE ELECTIVES‡‡** | **3-6** |
|---|---|

| **TOTAL CREDITS** | **65-66** |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| INF101 | Intro to Information Technology | 3 |
|---|---|---|
| INF... | Programming Language Fundamentals Elective\* | 3 |
| MAT... | Mathematics Elective\*\*\*† | 3-4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| BUS101 | Introduction to Business | 3 |
|---|---|---|
| INF... | Advanced Programming Language Elective\*\* | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective\* | 6 |
| ...... | General Education Elective\*\*\*‡ or Free Elective‡‡ | 3 |
| | | 18 |

**Third Semester**

| INF... | Restricted INF Elective✛ | 3 |
|---|---|---|
| ...... | Natural Science Elective\*\*\* | 4 |
| ...... | Humanities Electives\*\*\* | 6 |
| ...... | Social Science Elective\*\*\*‡‡‡ | 3 |
| | | 16 |

**Fourth Semester**

| INF108 | Systems Analysis & Design | 3 |
|---|---|---|
| ...... | Natural Science Elective\*\*\* | 4 |
| ...... | Humanities Electives\*\*\* | 3 |
| ...... | Social Science Elective\*\*\* | 3 |
| ...... | Free Elective‡‡ | 3 |
| | | 16 |

**Specific Program Notes**
\*Programming Language Fundamentals Elective – Select one: INF145, INF152, INF153.
\*\*Advanced Programming Language Elective – Select one: INF224, INF246, INF268.
\*\*\*General Education Elective(s) – see page 1.
†Recommended Mathematics Elective – Select one of the following: MAT180, MAT223, or MAT280.
‡Recommended: MAT150 or MAT223.
‡‡Recommended: IST123 Success 101 or WEX101 Dynamics of Health and Fitness (2 credits) and a WEX Dynamics of Health and Fitness Experience course (1 credits).
‡‡‡Recommended: ECO101 Macroeconomics.
✛INF Restricted Elective [courses cannot duplicate as Restricted Electives when selected as Programming Electives] – Select one: INF145, INF152, INF153, INF160, or INF217.

**Program: Professional Studies – Journalism Option**
**Degree: Associate in Science**
**Code: AS.PS.JOUR**

| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|

| **Communication** | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives*** — 6

Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN)

**Social Science Elective*** — 3

One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT)

| **Mathematics and Natural Sciences** | 11-12 |
|---|---|
| Mathematics* | 3-4 |
| Natural Science Electives* | 8 |

**Additional General Education Elective*** — 0-3

If needed to reach the Foundation minimum of 30-32 credits, take one course from the BCC General Education course list. If an additional course is not needed for that purpose, then the student must take a 3-credit free elective.

| **PROGRAM SUPPORT REQUIREMENTS** | 12 |
|---|---|

Three general education courses (9 cr.) selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN) — 9

One general education course (3 cr.) to be selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT) — 3

| **PROGRAM REQUIREMENTS** | 18 |
|---|---|
| COM101 Mass Media of Communication | 3 |
| COM201 Introduction to Journalism | 3 |
| COM203 Print Journalism Production | 3 |
| COM206 Writing for the Mass Media | 3 |
| COM210 Public Relations | 3 |
| COM2XX Copy Editing or COM140/INF140 Introduction to Multimedia | 3 |

| **FREE ELECTIVES**** | 3-6 |
|---|---|

| **TOTAL CREDITS** | 65-66 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
|---|---|---|
| COM101 | Mass Media of Communication | 3 |
| MAT... | Mathematics Elective* | 3-4 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective* | 3 |
| | | 15-16 |

**Second Semester**

| COM201 | Introduction to Journalism | 3 |
|---|---|---|
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| ...... | General Education Elective* or Free Elective** | 3 |
| | | 15 |

**Third Semester**

| COM203 | Print Journalism Production | 3 |
|---|---|---|
| COM2XX | Copy Editing or COM/INF140 Introduction to Multimedia | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| | | 16 |

**Fourth Semester**

| COM206 | Writing for the Mass Media | 3 |
|---|---|---|
| COM210 | Public Relations | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Humanities Electives* | 6 |
| ...... | Free Elective** | 3 |
| | | 19 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**Recommended: IST123 Success 101; ART184 Digital Photography; or ART197 Computer Imaging.

**Program: Professional Studies – Labor Studies Option**
**Degree: Associate in Science**
**Code: AS.PS.LABOR**

## GENERAL EDUCATION REQUIREMENTS — 30-32

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives*** — 6
Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN)

**Social Science Elective*** — 3
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT)

| Mathematics and Natural Sciences | 11-12 |
|---|---|
| Mathematics*† | 3-4 |
| Natural Science Electives* | 8 |

**Additional General Education Elective** — 0-3
If needed to reach the Foundation minimum of 30-32 credits, take one course from the BCC General Education course list. If an additional course is not needed for that purpose, then the student must take a 3-credit free elective.

| PROGRAM SUPPORT REQUIREMENTS | 12 |
|---|---|
| Two Restricted Electives in History (HIS)‡ | 6 |
| PHR111 Social & Political Philosophy | 3 |
| POL104 State & Local Government | 3 |

| PROGRAM REQUIREMENTS | 17 |
|---|---|
| BUS101 Introduction to Business<br>or<br>BUS115 Intro to Nonprofit Organizations | 3 |
| ECO105 Labor Economics | 3 |
| LGL236 Employment Law‡‡ | 2 |
| POL116 Labor Law | 3 |
| POL122 Collective Bargaining | 3 |
| PSY109 Industrial Psychology | 3 |

| FREE ELECTIVES‡‡‡ | 3-6 |
|---|---|

| TOTAL CREDITS | 64-65 |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
|---|---|---|
| MAT... | Mathematics Elective*† | 3-4 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| BUS101 | Introduction to Business | |
|---|---|---|
| ...... | or | 3 |
| BUS115 | Intro to Nonprofit Organizations | |
| ECO105 | Labor Economics | 3 |
| HIS... | Restricted History Elective‡ | 3 |
| ...... | Natural Science Elective* | 4 |
| WRT201 | English Composition II | 3 |
| | | 16 |

**Third Semester**

| HIS... | Restricted History Elective‡ | 3 |
|---|---|---|
| PHR111 | Social & Political Philosophy | 3 |
| POL116 | Labor Law | 3 |
| ...... | Natural Science Elective* | 4 |
| ...... | Free Elective‡‡‡ | 3 |
| | | 16 |

**Fourth Semester**

| LGL236 | Employment Law‡‡ | 2 |
|---|---|---|
| POL104 | State & Local Government | 3 |
| POL122 | Collective Bargaining | 3 |
| PSY109 | Industrial Psychology | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | General Education Elective*<br>or | 3 |
| ...... | Free Elective‡‡‡ | |
| | | 17 |

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**Specific Program Notes**
*General Education Elective(s) – see page 1.
†Choose a 3- or 4-credit General Education course in Mathematics – see page 1. MAT223 is recommended for students who wish to pursue degrees after they transfer in Business or in Human Resources and Employment Relations Management. The sequence of MAT150 and MAT250 is recommended for students who wish to pursue degrees after they transfer in research areas of the Social Sciences.
‡Choose a General Education History course from the following: HIS112, HIS113, HIS114, HIS116
‡‡LGL101 is a prerequisite for LGL236. If a student does not complete LGL101 as a free elective, then this prerequisite may be waived by special permission from the Academic Department Chair of Legal and Related Studies
‡‡‡Recommended: IST123 Success 101 or BUS208 Human Resources Management.

**Program: Professional Studies – Social Work Option**
**Degree: Associate in Science**
**Code: AS.PS.SOC.WK**

| GENERAL EDUCATION REQUIREMENTS | 30-32 |
|---|---|

| Communication | 9 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities Electives\***    **6**
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN)

| Social Science: SOC101 Sociology | 3 |
|---|---|

| Mathematics and Natural Sciences | 11-12 |
|---|---|
| Mathematics\* | 3-4 |
| Natural Science Electives\* | 8 |

**Additional General Education Elective\***    **0-3**
If needed to reach the Foundation minimum of 30-32 credits, one of the general education courses listed below under "Program Requirements" can be applied here.

| PROGRAM SUPPORT REQUIREMENTS | 12 |
|---|---|

Humanities Electives – three general education    9
courses to be selected from the following fields:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN)

| Social Science: PSY101 General Psychology | 3 |
|---|---|

| PROGRAM REQUIREMENTS | 15-18 |
|---|---|
| PSY102 Intro to Abnormal Psychology | 3 |
| SOC102 Introduction to Human Services | 3 |
| SOC103 Sociology of the Family | 3 |
| SOC113 Social Problems | 3 |
| SOC222 Ethnic & Minority Group Relations or SOC121 Changing Roles if Women | 3 |
| SOC463 Co-op Work Experience (Sociology) | 3 |

| FREE ELECTIVES\*\* | 3-6 |
|---|---|

| TOTAL CREDITS | 64-66 |
|---|---|

### RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| MAT... | Mathematics Elective\* | 3-4 |
|---|---|---|
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective\* | 3 |
| SOC101 | Sociology | 3 |
| | | 15-16 |

**Second Semester**

| WRT201 | English Composition II | 3 |
|---|---|---|
| ...... | Humanities Elective\* | 3 |
| PSY101 | General Psychology | 3 |
| SOC102 | Introduction to Human Services | 3 |
| SOC103 | Sociology of the Family | 3 |
| | | 15 |

**Third Semester**

| PSY102 | Intro to Abnormal Psychology | 3 |
|---|---|---|
| SOC113 | Social Problems | 3 |
| SOC463 | Co-op Work Experience (Sociology) | 3 |
| ...... | Natural Science Elective\* | 4 |
| ...... | Humanities Elective\* | 3 |
| | | 16 |

**Fourth Semester**

| SOC222 | Ethnic & Minority Group Relations or | 3 |
|---|---|---|
| SOC121 | Changing Roles if Women | |
| ...... | Natural Science Elective\* | 4 |
| ...... | Humanities Electives\* | 6 |
| ...... | Free Electives\*\* | 3-6 |
| | | 16-19 |

**Specific Program Notes**
\*General Education Elective(s) – see page 1.
\*\*Recommended: IST123 Success 101 or another Social Science elective.

## AFA Degree Programs

| Curriculum Requirements | | |
|---|---|---|
| **Degree: Associate in Fine Arts**<br>**Code: AFA**<br><br>Associate in Fine Arts (AFA) degree programs are designed as transfer programs leading eventually to the Bachelor of Music or Bachelor of Fine Arts degree at the four-year college/university level.<br><br>To receive the Associate in FINE ARTS (AFA) degree, a student must earn a minimum of 64 credits and complete all courses and specific requirements listed within the student's chosen curriculum. Each AFA curriculum must contain the following general education and other program requirements:* | | |
| **Area of Study** | **Credits** | **Course Description** |
| Communication | 6 | WRT101 English Composition I (3 cr.)<br>WRT201 English Composition II (3 cr.)<br>or WRT202 Technical Writing (3 cr.) |
| Humanities | 6 | Two general education courses (6 cr.) to be selected from the following fields, with no more than one course (3 cr.) in any one field:<br>Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN])<br>Literature (LIT)<br>Philosophy and Religion (PHR)<br>World Languages and Cultures (LAN) |
| Social Sciences | 3 | One general education course (3 cr.) to be selected from the following fields:<br>Economics (ECO)<br>Geography (GEO)<br>Political Science (POL)<br>Psychology (PSY)<br>Sociology (SOC) and Anthropology (ANT) |
| Mathematics, Natural Sciences, and Technology | 3-4 | One general education course (3-4 cr.) to be selected from the following fields:<br>Mathematics (MAT)<br>Computer Science (CIS)<br>Information Technology (INF)<br>Biology (BIO)<br>Chemistry (CHM)<br>Physics (PHY) |
| Unassigned General Education Credits | 3 | To be assigned in accordance with the needs of the program. |
| Total GE Credits: | 21-22 | |
| Other Requirements | 38-45 | Restricted Program Requirements and Program Support Requirements. |
| Free Electives | 0-6 | Programs can make recommendations in footnotes. |
| Total Credits | 64-66 | |

**Program: Music – Music Business Option**
**Degree: Associate in Fine Arts**
**Code: AFA.MUSC.BUS**

*This program is PENDING STATE APPROVAL, which is expected in Fall 2012.*

## GENERAL EDUCATION REQUIREMENTS — 21-22

**Communication** — 6
WRT101 English Composition I — 3
WRT... WRT201 English Composition II or — 3
    WRT202 Technical Writing

**Humanities Electives*** — 6
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Course** — 3
ECO101 Macroeconomics — 3

**Mathematics, Natural Science, & Technology** — 3-4
MAT... Mathematics Elective*** — 3-4

**Additional General Education Elective:*** — 3

## PROGRAM REQUIREMENTS — 41
MUA1... Applied Music I* — 1
MUA2... Applied Music II, III, & IV (1, 1, 1 cr.)* — 3
MUS1... Performance Ensemble I** — 1
MUS2... Performance Ensemble II, III, & IV (1, 1, 1 cr.)** — 3
MUS131 Class Piano I — 2
MUS231 241, 242 Class Piano II, III, & IV (2, 2, 2 cr.) — 6
MUS132 Music Theory I — 2
MUS232 Music Theory II — 2
MUS134 Ear Training & Musicianship I — 2
MUS234 Ear Training & Musicianship II — 2
MUS152 Introduction to the Music Business — 3
MUS163 Careers in Music — 3
MUS252 Music in the Marketplace — 3
MUS262 Concert Promotion & Production — 3
MUS/MUA... Music or Applied Music Electives‡ — 5

## PROGRAM SUPPORT REQUIREMENTS — 3
BUS101 Introduction to Business — 3

## TOTAL CREDITS — 65-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| MUS131 | Class Piano I | 2 |
| MUS152 | Introduction to the Music Business | 3 |
| MUS163 | Careers in Music | 3 |
| MUA1.. | Applied Music I* | 1 |
| MUS1.. | Performance Ensemble I** | 1 |
| ...... | Humanities Elective***† | 3 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Second Semester**

| | | |
|---|---|---|
| MUS231 | Class Piano II | 2 |
| MUA2.. | Applied Music II* | 1 |
| MUS2.. | Performance Ensemble II** | 1 |
| BUS101 | Introduction to Business | 3 |
| MAT... | Mathematics Elective*** | 3-4 |
| WRT... | WRT 201 English Composition II or WRT 202 Technical Writing | 3 |
| ...... | Humanities Elective*** | 3 |
| | | 16-17 |

**Third Semester**

| | | |
|---|---|---|
| MUS132 | Music Theory I | 2 |
| MUS134 | Ear Training & Musicianship I | 2 |
| MUS241 | Class Piano III | 2 |
| MUS252 | Music in the Marketplace | 3 |
| MUA2.. | Applied Music III* | 1 |
| MUS2.. | Performance Ensemble III** | 1 |
| ECO101 | Macroeconomics | 3 |
| ...... | General Education Elective*** | 3 |
| | | 17 |

**Fourth Semester**

| | | |
|---|---|---|
| MUS232 | Music Theory II | 2 |
| MUS234 | Ear Training & Musicianship II | 2 |
| MUS242 | Class Piano IV | 2 |
| MUS262 | Concert Promotion & Production | 3 |
| MUA2.. | Applied Music IV* | 1 |
| MUS2.. | Performance Ensemble IV** | 1 |
| ...... | Music (MUS) or Applied Music (MUA) Electives‡ | 5 |
| | | 16 |

**Specific Program Notes**
*Applied music courses include half-hour private lessons with an instructor in Bass (MUA101, MUA231, MUA232, MUA233); Guitar (MUA102, MUA234, MUA235, MUA236); Percussion (MUA103, MUA237, MUA238, MUA239); Piano (MUA104, MUA240, MUA241, MUA242); Strings (MUA105, MUA243, MUA244, MUA245); Voice (MUA106, MUA246, MUA247, MUA248); or Woodwinds/Brass (MUA107, MUA249, MUA250, MUA251).
**Performance ensembles include Chamber Ensemble (MUS125, MUS258, MUS259, MUS260); Chorus (MUS121, MUS255, MUS256, MUS257); Jazz Ensemble (MUS140, MUS246, MUS247, MUS249); and Pop/Rock Ensemble (MUS120, MUS220, MUS221, MUS222).
***General Education Elective(s) – see page 1.
†Music courses that may fulfill 3 credits of the humanities requirement are: MUS101 Music Appreciation; MUS107 History of Western Music Before 1750; MUS108 History of Western Music After 1750; MUS109 History of Musical Theatre; MUS110 Music Art & Drama.
‡Recommended music electives: MUS119 Songwriting Workshop; MUS150 Intro to MIDI Sequencing & Synthesis; MUS151 Intro to Digital Audio Recording; or any combination of MUS or MUA classes and/or ensembles totaling at least 2 credits. MUS103 Fundamentals of Music is recommended for students with no or minimal music theory background prior to taking MUS132 and MUS133.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**Program: Music – Music Technology Option**
**Degree: Associate in Fine Arts**
**Code: AFA.MUSC.TECH**

*This program is PENDING STATE APPROVAL, which is expected in Fall 2012.*

| GENERAL EDUCATION REQUIREMENTS | 22 |
|---|---|
| **Communication** | **6** |
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or WRT202 Technical Writing | 3 |
| | |
| **Humanities Electives**\*\* | **6** |
| Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). | |
| **Social Science Elective**\*\* | **3** |
| One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). | |
| **Mathematics, Natural Science, & Technology** | **4** |
| PHY185 Introduction to Physics | 4 |
| **Additional General Education Elective:**\* | **3** |

| PROGRAM REQUIREMENTS | 36-37 |
|---|---|
| MUA1... Applied Music I* | 1 |
| MUA2... Applied Music II* | 1 |
| MUS131, 231 Class Piano I and II | 2, 2 |
| MUS132, 232 Music Theory I and II | 2, 2 |
| MUS134 Ear Training & Musicianship I | 2 |
| MUS150 Intro to MIDI Sequencing & Synthesis | 3 |
| MUS151 Intro to Digital Audio Recording | 3 |
| MUS234 Ear Training & Musicianship II | 2 |
| MUS250 Electronic Music Composition | 3 |
| MUS251 Studio Recording Techniques | 3 |
| MUS261 Advanced Studio Recording | 3 |
| MUS262 Concert Promotion & Production | 3 |
| MUS1... Performance Ensemble I*** | 1 |
| MUS2... Performance Ensemble II*** | 1 |
| MUS/MUA... Music or Applied Music Elective‡ | 2-3 |

**FREE ELECTIVES‡‡**    **6**

**TOTAL CREDITS**    **64-65**

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| MUS131 | Class Piano I | 2 |
| MUS132 | Music Theory I | 2 |
| MUS134 | Ear Training & Musicianship I | 2 |
| MUS151 | Intro to Digital Audio Recording | 3 |
| MUA1.. | Applied Music I* | 1 |
| PHY185 | Introduction to Physics | 4 |
| WRT101 | English Composition I | 3 |
| | | 17 |

**Second Semester**

| | | |
|---|---|---|
| MUS231 | Class Piano II | 2 |
| MUS232 | Music Theory II | 2 |
| MUS234 | Ear Training & Musicianship II | 2 |
| MUS251 | Studio Recording Techniques | 3 |
| MUA2.. | Applied Music II* | 1 |
| WRT... | WRT 201 English Composition II or WRT 202 Technical Writing | 3 |
| ...... | Humanities Elective**† | 3 |
| | | 16 |

**Third Semester**

| | | |
|---|---|---|
| MUS150 | Intro to MIDI Sequencing & Synthesis | 3 |
| MUS261 | Advanced Studio Recording | 3 |
| MUS1.. | Performance Ensemble I*** | 1 |
| ...... | Music (MUS) or Applied Music (MUA) Electives‡ | 2-3 |
| ...... | Humanities Elective** | 3 |
| ...... | Free Elective‡‡ | 3 |
| | | 15-16 |

**Fourth Semester**

| | | |
|---|---|---|
| MUS250 | Electronic Music Composition | 3 |
| MUS262 | Concert Promotion & Production | 3 |
| MUS2.. | Performance Ensemble II*** | 1 |
| ...... | Social Science Elective** | 3 |
| ...... | General Education Elective** | 3 |
| ...... | Free Elective‡‡ | 3 |
| | | 16 |

**Specific Program Notes**

*Applied music courses include half-hour private lessons with an instructor in Bass (MUA101, MUA231, MUA232, MUA233); Guitar (MUA102, MUA234, MUA235, MUA236); Percussion (MUA103, MUA237, MUA238, MUA239); Piano (MUA104, MUA240, MUA241, MUA242); Strings (MUA105, MUA243, MUA244, MUA245); Voice (MUA106, MUA246, MUA247, MUA248); or Woodwinds/Brass (MUA107, MUA249, MUA250, MUA251).

**General Education Elective(s) – see page 1.

***Performance ensembles include Chamber Ensemble (MUS125, MUS258, MUS259, MUS260); Chorus (MUS121, MUS255, MUS256, MUS257); Jazz Ensemble (MUS140, MUS246, MUS247, MUS249), and Pop/Rock Ensemble (MUS120, MUS220, MUS221, MUS222).

†Music courses that may fulfill 3 credits of the humanities requirement are: MUS101 Music Appreciation; MUS107 History of Western Music Before 1750; MUS108 History of Western Music After 1750; MUS109 History of Musical Theatre; MUS110 Music Art & Drama.

‡Recommended music electives: MUS152 Intro to the Music Business; MUS163 Careers in Music; any combination of MUA classes and/or ensembles totaling at least 2 credits. MUS103 Fundamentals of Music is recommended for students with no or minimal music theory background prior to taking MUS132 and MUS133.

‡‡Recommended free electives: COM102 Public Speaking; COM105 Radio Production; COM106 TV Production; COM111 Video Post Production; COM207 TV Production II; MUS252 Music In the Marketplace.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

## AAS Programs – Basic Structure*

| Curriculum Requirements |
|---|
| **Degree: Associate in Applied Science**<br>**Code: AAS**<br><br>Associate in Applied Science (AAS) degree programs are designed to prepare students for employment in their chosen fields of endeavor. Such programs are not designed to prepare students for transfer into bachelor's degree programs in four-year colleges and universities although some such programs may have transfer agreements with select four-year schools for graduates wishing to continue their education at the bachelor's degree level.<br><br>Career programs leading to the AAS degree are organized according to the following categories: Art, Business Administration, Business Technologies, Human Services, and Music.<br><br>To receive the Associate in Applied Science (AAS) degree, a student must earn a minimum of 64 credits and complete all courses and specific requirements listed within the student's chosen curriculum. Each AAS curriculum must contain the following general education and other program requirements:* |

| Area of Study | Credits | Course Description |
|---|---|---|
| Communication | 6 | WRT101 English Composition I (3 cr.)<br>WRT201 English Composition II (3 cr.)<br>or WRT202 Technical Writing (3 cr.) |
| Humanities | 6 | Two general education courses (6 cr.) to be selected from the following fields, with no more than one course (3 cr.) in any one field:<br>Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN])<br>Literature (LIT)<br>Philosophy and Religion (PHR)<br>World Languages and Cultures (LAN) |
| Social Sciences | 3 | One general education course (3 cr.) to be selected from the following fields:<br>Economics (ECO)<br>Geography (GEO)<br>Political Science (POL)<br>Psychology (PSY)<br>Sociology (SOC) and Anthropology (ANT) |
| Mathematics, Natural Sciences, and Technology | 3-4 | One general education course (3-4 cr.) to be selected from the following fields:<br>Mathematics (MAT)<br>Computer Science (CIS)<br>Information Technology (INF)<br>Biology (BIO)<br>Chemistry (CHM)<br>Physics (PHY) |
| Unassigned General Education Credits | 3 | To be assigned in accordance with the needs of the program. |
| Total GE Credits: | 21-22 | |
| Other Requirements | 38-45 | Restricted Program Requirements and Program Support Requirements. |
| Free Electives | 0-6 | Programs can make recommendations in footnotes. |
| Total Credits | 64-66 | Note: Some AAS programs require more than 66 credits for licensing/accreditation purposes. |

*AAS degree programs in Health Professions and Career Technologies have a different requirement structure than do "Basic Structure" AAS programs. See page 79, below.

**Program: Art – Computer Animation**
**Degree: Associate in Applied Science**
**Code: AAS.ART.ANIM**

| GENERAL EDUCATION REQUIREMENTS | 21-22 |
|---|---|

| **Communication** | **6** |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or WRT202 Technical Writing | 3 |

**Humanities Electives**    **6**
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective**    **3**
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology**    **3-4**
One general education course to be selected from the following fields: Mathematics (MAT); Computer Science (CIS) Information Technology (INF); Biology (BIO); Chemistry (CHM); Physics (PHY).

| **Additional General Education Course:** | **3** |
|---|---|
| CIN140/THR140 Introduction to the Cinema | 3 |

| **PROGRAM REQUIREMENTS** | **44** |
|---|---|
| ART105 History of Animation* | 3 |
| ART122 Two-Dimensional Design | 3 |
| ART123 Life Drawing I or ART124 Drawing Fundamentals | 3 |
| ART189 Computer 2D Illustration | 3 |
| ART192 Computer 3D Animation I | 3 |
| ART261 Computer 2D Animation II | 3 |
| ART290 Computer 2D Animation I | 3 |
| ART293 Computer 3D Animation II | 3 |
| ART197 Computer Imaging | 3 |
| ART271 Portfolio Presentation | 2 |
| ART298 Interactive Multimedia | 3 |
| ART... Studio Art Elective | 3 |
| ART... Studio Art Elective or ART463 Co-Op Work Experience [ART] | 3 |
| CIN150 Special Topics in Cinema I | 3 |
| MUS151 Introduction to Audio Recording | 3 |

| **TOTAL CREDITS** | **65-66** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| ART105 | History of Animation* | 3 |
| ART122 | Two-Dimensional Design | 3 |
| ART189 | Computer 2D Illustration | 3 |
| ART197 | Computer Imaging | 3 |
| WRT101 | English Composition I | 3 |
| | | 15 |

**Second Semester**

| | | |
|---|---|---|
| ART123 | Life Drawing I or | 3 |
| ART124 | Drawing Fundamentals | |
| ART192 | Computer 3D Animation I | 3 |
| MUS151 | Introduction to Audio Recording | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| ...... | Math/Computer Science/Natural Science/Technology Elective** | 3-4 |
| | | 15-16 |

**Third Semester**

| | | |
|---|---|---|
| ART290 | Computer 2D Animation I | 3 |
| ART293 | Computer 3D Animation II | 3 |
| ART... | Studio Art Elective*** | 3 |
| CIN/THR140 | Introduction to the Cinema | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Social Science Elective** | 3 |
| | | 18 |

**Fourth Semester**

| | | |
|---|---|---|
| ART261 | Computer 2D Animation II | 3 |
| ART271 | Portfolio Presentation | 2 |
| ART298 | Interactive Multimedia | 3 |
| ART... | Studio Art Elective*** or | 3 |
| ART463 | Co-Op Work Experience [ART] | |
| CIN150 | Special Topics in Cinema I**** | 3 |
| ...... | Humanities Elective** | 3 |
| | | 17 |

**Specific Program Notes**
*As an alternative to ART105 History of Animation, students may take CIN150 Special Topics in Cinema I whenever the Special Topic is History of Animation.
**General Education Elective(s) – see page 1.
***Studio Art Electives: ART123, ART124, ART127, ART181, ART184, ART192, ART189, ART197, ART223, ART226, ART228, ART229, ART259, ART260, ART281, ART287, ART288, ART290, ART291, ART292, ART298.
****Any topic other than History of Animation.

Students enrolled in this program **ARE REQUIRED to** successfully complete a course in basic algebra if indicated by Placement Testing.

Program: Art – Graphic Design/Computer Graphics
Degree: Associate in Applied Science
Code: AAS.ART.GRPH

## GENERAL EDUCATION REQUIREMENTS 21-22

**Communication** 6
WRT101 English Composition I 3
WRT... WRT201 English Composition II or 3
    WRT202 Technical Writing

**Humanities Electives**\*\* 6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective**\*\* 3
One general education course selected from the following
fields: Economics (ECO); Geography (GEO); Political
Science (POL); Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

**Mathematics, Natural Science, & Technology**\*\* 3-4
One general education course to be selected from the
following fields: Mathematics (MAT); Computer Science (CIS)
Information Technology (INF); Biology (BIO); Chemistry (CHM);
Physics (PHY).

**Additional General Education Course:** 3
ART... Art History Elective* 3

## PROGRAM REQUIREMENTS 44
ART122 Two-Dimensional Design 3
ART123 Life Drawing I
    or 3
ART124 Drawing Fundamentals
ART189 Computer 2D Illustration 3
ART197 Computer Imaging 3
ART226 Letterform and Type 3
ART259 Computer Graphics for the Web Developer 3
ART260 Graphic Design I 3
ART261 Graphic Design II 3
ART287 Computer Layout I 3
ART288 Computer Layout II 3
ART271 Portfolio Presentation 2
ART... Studio Art Electives*** 9
ART... Studio Art Elective***
    or 3
ART463 Co-Op Work Experience [ART]

## TOTAL CREDITS 65-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| ART122 | Two-Dimensional Design | 3 |
|---|---|---|
| ART123 | Life Drawing I | |
| | or | 3 |
| ART124 | Drawing Fundamentals | |
| ART189 | Computer 2D Illustration | 3 |
| ART197 | Computer Imaging | 3 |
| WRT101 | English Composition I | 3 |
| | | 15 |

**Second Semester**

| ART226 | Letterform and Type | 3 |
|---|---|---|
| ART259 | Computer Graphics for the Web Developer | 3 |
| ART... | Art History Elective* | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| ...... | Math/Computer Science/Natural Science/Technology Elective** | 3-4 |
| | | 15-16 |

**Third Semester**

| ART260 | Graphic Design I | 3 |
|---|---|---|
| ART287 | Computer Layout I | 3 |
| ART... | Studio Art Electives*** | 6 |
| ...... | Humanities Elective** | 3 |
| ...... | Social Science Elective** | 3 |
| | | 18 |

**Fourth Semester**

| ART261 | Graphic Design II | 3 |
|---|---|---|
| ART288 | Computer Layout II | 3 |
| ART271 | Portfolio Presentation | 2 |
| ART... | Studio Art Elective*** | 3 |
| ART... | Studio Art Elective*** | |
| | or | 3 |
| ART463 | Co-Op Work Experience [ART] | |
| ...... | Humanities Elective** | 3 |
| | | 17 |

**Specific Program Notes**
*General Education Humanities Electives in Art History: ART102, ART103, ART104, ART107, ART110.
**General Education Elective(s) – see page 1.
***Studio Art Electives: ART123, ART124, ART127, ART181, ART184, ART192, ART189, ART197, ART223, ART226, ART228, ART229, ART259, ART260, ART281, ART287, ART288, ART290, ART291, ART292, ART298.

Students enrolled in this program **ARE REQUIRED to** successfully complete a course in basic algebra if indicated by Placement Testing.

Program: Business Administration – Accounting
Degree: Associate in Applied Science
Code: AAS.BUS.ACCT

| GENERAL EDUCATION REQUIREMENTS | 21-22 |
|---|---|
| **Communication** | **6** |
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or<br>WRT202 Technical Writing | 3 |
| | |
| **Humanities Electives*** | **6** |
| Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). | |
| | |
| **Social Science Course:** ECO101 Macroeconomics | **3** |
| | |
| **Mathematics, Natural Science, & Technology** | **3-4** |
| MAT... Mathematics Elective† | |
| | |
| **Additional General Education Course:** | **3** |
| COM... COM100 Speech Communication or<br>COM102 Public Speaking | |

| PROGRAM REQUIREMENTS | 43 |
|---|---|
| ACC101 Accounting I | 3 |
| ACC120 Computerized Accounting | 3 |
| ACC201 Accounting II | 3 |
| ACC202 Intermediate Accounting I | 3 |
| ACC203 Intermediate Accounting II | 3 |
| ACC215 Special Topics in Accounting | 3 |
| ACC... Restricted Accounting Electives‡ | 6 |
| BNF201 Principles of Finance | 3 |
| BUS101 Introduction to Business | 3 |
| BUS233 Business Law I | 3 |
| ...... Restricted Business Electives‡ | 6 |
| INF114 Microsoft Office | 3 |
| INF228 Excel for Problem Solving | 1 |

**TOTAL CREDITS** **65-66**

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| ACC101 | Accounting I | 3 |
|---|---|---|
| ACC120 | Computerized Accounting | 3 |
| BUS101 | Introduction to Business | 3 |
| INF114 | Microsoft Office | 3 |
| WRT101 | English Composition I | 3 |
| | | 15 |

**Second Semester**

| ACC201 | Accounting II | 3 |
|---|---|---|
| BUS233 | Business Law I | 3 |
| ECO101 | Macroeconomics | 3 |
| COM... | COM100 Speech Communication<br>or COM102 Public Speaking | 3 |
| WRT... | WRT201 English Composition II<br>or WRT202 Technical Writing | 3 |
| ...... | Humanities Elective* | 3 |
| | | 18 |

**Third Semester**

| ACC202 | Intermediate Accounting I | 3 |
|---|---|---|
| ACC... | Restricted Accounting Elective** | 3 |
| ...... | Restricted Business Elective*** | 3 |
| BNF201 | Principles of Finance | 3 |
| MAT... | Mathematics Elective*† | 3-4 |
| | | 15-16 |

**Fourth Semester**

| ACC203 | Intermediate Accounting II | 3 |
|---|---|---|
| ACC215 | Special Topics in Accounting | 3 |
| ACC... | Restricted Accounting Elective** | 3 |
| ...... | Restricted Business Elective*** | 3 |
| INF228 | Excel for Problem Solving | 1 |
| ...... | Humanities Elective* | 3 |
| | | 16 |

**Specific Program Notes**
*General Education Course List – see page 1.
**Select ACC107, ACC115, or ACC463.
***Select from BNF102, BNF202, BNF203, BUS234, BUS207, BUS170, BUS201, BUS205, BUS116, BUS262.
†Select MAT150, MAT155, MAT180, or MAT223.

**Note:** Students interested in transferring to a four-year institution should refer to AS.PS.BUS.ACCT.

Students enrolled in this program **ARE REQUIRED to** successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Business Administration – Banking and Finance**
**Degree: Associate in Applied Science**
**Code: AAS.BUS.BANK**

## GENERAL EDUCATION REQUIREMENTS 21-22

| Communication | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or WRT202 Technical Writing | 3 |

**Humanities Electives*** 6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN).

| Social Science Course: ECO101 Macroeconomics | 3 |
|---|---|

**Mathematics, Natural Science, & Technology** 3-4
MAT... Mathematics Elective*†

| Additional General Education Course: | 3 |
|---|---|
| COM... COM100 Speech Communication or COM102 Public Speaking | |

| PROGRAM REQUIREMENTS | 39 |
|---|---|
| ACC101 Accounting I | 3 |
| ACC201 Accounting II | 3 |
| BNF101 Principles of Banking | 3 |
| BNF201 Principles of Finance | 3 |
| BNF202 Asset Management | 3 |
| BNF203 Cash Management | 3 |
| BNF208 International Finance | 3 |
| BUS101 Introduction to Business | 3 |
| BUS103 Business Mathematics | 3 |
| BUS233 Business Law I | 3 |
| ...... Restricted Business Elective I** | 3 |
| ...... Restricted Business Elective II*** | 3 |
| INF101 Intro to Information Technology | 3 |

| FREE ELECTIVE(s) | 4 |
|---|---|

| TOTAL CREDITS | 64-65 |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| ACC101 | Accounting I | 3 |
|---|---|---|
| BNF101 | Principles of Banking | 3 |
| BUS101 | Introduction to Business | 3 |
| BUS103 | Business Mathematics | 3 |
| WRT101 | English Composition I | 3 |
| | | 15 |

**Second Semester**

| ACC201 | Accounting II | 3 |
|---|---|---|
| INF101 | Intro to Information Technology | 3 |
| ECO101 | Macroeconomics | 3 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| | | 15 |

**Third Semester**

| BNF201 | Principles of Finance | 3 |
|---|---|---|
| BNF203 | Cash Management | 3 |
| BUS233 | Business Law I | 3 |
| ...... | Humanities Elective* | 3 |
| MAT... | Mathematics Elective† | 3-4 |
| | | 15-16 |

**Fourth Semester**

| BNF202 | Asset Management | 3 |
|---|---|---|
| BNF208 | International Finance | 3 |
| ...... | Restricted Business Elective I** | 3 |
| ...... | Restricted Business Elective II*** | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Free Elective(s) | 4 |
| | | 19 |

**Specific Program Notes**
*General Education Course List – see page 1.
**Select BNF102, BUS201, or BUS207.
***Select fBNF463, BNF207, BUS234, or BUS262.
†Select MAT150, MAT155, or MAT223.

Students enrolled in this program **ARE REQUIRED to** successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Business Administration – e-Business Management**
**Degree: Associate in Applied Science**
**Code: AAS.BUS.e-BUS.MGMT**

| GENERAL EDUCATION REQUIREMENTS | 21-22 |
|---|---|

| **Communication** | **6** |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or | 3 |
|     WRT202 Technical Writing | |

**Humanities Electives\*\***     **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN).

| **Social Science Course:** ECO101 Macroeconomics | **3** |
|---|---|

| **Mathematics, Natural Science, & Technology** | **3-4** |
|---|---|
| MAT... Mathematics Elective* | |

| Additional General Education Course: | 3 |
|---|---|
| COM... COM100 Speech Communication or | |
|     COM102 Public Speaking | |

| PROGRAM REQUIREMENTS | 43 |
|---|---|
| ACC101 Accounting I | 3 |
| ACC201 Accounting II | 3 |
| BUS101 Introduction to Business | 3 |
| BUS104 Customer Service | 3 |
| BUS105 Business Communications | 3 |
| BUS107 e-Tailing | 3 |
| BUS205 Entrepreneurship | 3 |
|     or | |
| BUS110 Transportation Logistics and Supply Chain Management | |
| BUS207 Principles of Management | 3 |
| BUS210 e-Marketing | 3 |
| BUS211 Internet Law | 3 |
| BUS271 e-Commerce | 3 |
| INF114 Microsoft Office | 3 |
| INF146 Web Development | 3 |
| INF163 Internet Concepts & Applications | 3 |
| INF228 Excel for Problem Solving | 1 |

| **TOTAL CREDITS** | **64-65** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| INF114 | Microsoft Office | 3 |
| INF163 | Internet Concepts & Applications | 3 |
| MAT... | Mathematics Elective* | 3-4 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| ACC101 | Accounting I | 3 |
| BUS107 | e-Tailing | 3 |
| BUS104 | Customer Service | 3 |
| BUS105 | Business Communications | 3 |
| INF146 | Web Development | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| | | 18 |

**Third Semester**

| | | |
|---|---|---|
| ACC201 | Accounting II | 3 |
| BUS210 | e-Marketing | 3 |
| BUS205 | Entrepreneurship or | 3 |
| BUS110 | Transportation Logistics and Supply Chain Management | |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| ...... | Humanities Elective** | 3 |
| | | 15 |

**Fourth Semester**

| | | |
|---|---|---|
| BUS207 | Principles of Management | 3 |
| BUS211 | Internet Law | 3 |
| BUS271 | e-Commerce | 3 |
| INF228 | Excel for Problem Solving | 1 |
| ECO101 | Macroeconomics | 3 |
| ...... | Humanities Elective** | 3 |
| | | 16 |

**Specific Program Notes**
*Select one of the following: MAT150, MAT155, MAT180, or MAT223.
**General Education Elective(s) – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic
Skills Placement Test.

**Program: Business Administration – Management Information Systems**
**Degree: Associate in Applied Science**
**Code: AAS.BUS.INFO.SYS**

## GENERAL EDUCATION REQUIREMENTS     21-22

**Communication**    6
WRT101 English Composition I    3
WRT... WRT201 English Composition II or    3
    WRT202 Technical Writing

**Humanities Electives\*\*\***    6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Course: ECO101 Macroeconomics**    3

**Mathematics, Natural Science, & Technology\***    3-4
MAT... Mathematics Elective†

**Additional General Education Course:**    3
COM... COM100 Speech Communication or
    COM102 Public Speaking

## PROGRAM REQUIREMENTS     43
ACC101 Accounting I    3
ACC201 Accounting II    3
BUS101 Introduction to Business    3
BUS201 Marketing Principles    3
BUS207 Principles of Management    3
BUS271 e-Commerce
      or    3
BUS210 e-Marketing
INF... Programming Language Fundamentals Elective    3
INF... Advanced Programming Language Elective    3
INF101 Intro to Information Technology    3
INF114 Microsoft Office    3
INF160 Networking Technologies and    3
    Data Communications
INF208 Systems Analysis and Design‡‡    3
INF217 Database for Applications [Oracle]    3
INF228 Excel for Problem Solving    1
...... Restricted Elective‡    3

**TOTAL CREDITS**     64-65

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| INF101 | Intro to Information Technology | 3 |
| INF... | Programming Language Fundamentals Elective* | 3 |
| MAT... | Mathematics Elective† | 3-4 |
| WRT101 | English Composition I | 3 |
| | | 15-16 |

**Second Semester**

| | | |
|---|---|---|
| ACC101 | Accounting I | 3 |
| BUS207 | Principles of Management | 3 |
| INF... | Advanced Programming Language Elective** | 3 |
| INF114 | Microsoft Office | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| ECO101 | Macroeconomics | 3 |
| | | 18 |

**Third Semester**

| | | |
|---|---|---|
| ACC201 | Accounting II | 3 |
| BUS201 | Marketing Principles | 3 |
| INF217 | Database for Applications [Oracle] | 3 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| ...... | Humanities Elective*** | 3 |
| | | 15 |

**Fourth Semester**

| | | |
|---|---|---|
| ...... | Restricted Elective‡ | 3 |
| BUS271 | e-Commerce or | 3 |
| BUS210 | e-Marketing | |
| INF160 | Networking Technologies and Data Communications | 3 |
| INF208 | Systems Analysis and Design‡‡ | 3 |
| INF228 | Excel for Problem Solving | 1 |
| ...... | Humanities Elective*** | 3 |
| | | 16 |

**Specific Program Notes**
*Programming Language Fundamentals Elective – INF145, INF152, INF153.
**Advanced Programming Language Elective – INF224, INF246, INF268.
***General Education Elective(s) – see page 1.
†Select one of the following: MAT150, MAT155, MAT180, or MAT223.
‡Select one of the following: BUS263, ACC120, ACC202, BNF201, BUS105, BUS110, BUS233, BUS262
‡‡This course is offered only during the spring semester.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic
Skills Placement Test.

**Program: Business Technologies – Hotel/Restaurant/Hospitality – General**
**Degree: Associate in Applied Science**
**Code: AAS.BT.HR.GEN**
Business Technologies, Hotel/Restaurant/Hospitality – General Students interested in Hotel/Restaurant/Hospitality and related studies, but are not certain in which specific area they wish to specialize, should enroll in this program.

| GENERAL EDUCATION REQUIREMENTS | 21-22 |
|---|---|
| **Communication** | **6** |
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or | 3 |
| WRT202 Technical Writing | |

**Humanities Electives\*\*\***      **6**
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective\*\*\***      **3**
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology\*\*\***      **3-4**
One general education course to be selected from the following fields: Mathematics (MAT); Computer Science (CIS) Information Technology (INF); Biology (BIO); Chemistry (CHM); Physics (PHY).

**Additional General Education Elective\*\*\***      **3**

| PROGRAM REQUIREMENTS | 44 |
|---|---|
| BUS101 Introduction to Business | 3 |
| BUS103 Business Mathematics | 3 |
| HRM101 Intro to Hospitality Management | 3 |
| HRM102 Food Protection and Safety | 3 |
| HRM103 Professional Food Preparation Techniques | 3 |
| HRM106 Menu Planning and Nutrition | 1 |
| HRM217 Issues in the Hospitality Industry | 2 |
| ...... Hotel/Restaurant/Hospitality Electives\* | 14 |
| ...... Restricted Electives\*\* | 9 |
| WEX163 Nutrition Today | 3 |

**TOTAL CREDITS**      **65-66**

### RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| HRM101 | Intro to Hospitality Management | 3 |
| HRM102 | Food Protection and Safety | 3 |
| HRM103 | Professional Food Preparation Techniques | 3 |
| HRM106 | Menu Planning and Nutrition | 1 |
| WEX163 | Nutrition Today | 3 |
| | | 16 |

**Second Semester**

| | | |
|---|---|---|
| BUS103 | Business Mathematics | 3 |
| ....... | Hotel/Restaurant/Hospitality Electives\* | 5 |
| ...... | Restricted Electives\*\* | 6 |
| WRT101 | English Composition I | 3 |
| | | 17 |

**Third Semester**

| | | |
|---|---|---|
| ....... | Hotel/Restaurant/Hospitality Electives\* | 6 |
| ...... | Humanities Elective\*\*\* | 3 |
| ....... | Math/Computer Science/Natural Science/Technology Elective\*\*\* | 3-4 |
| WRT201 | English Composition II | 3 |
| | | 15-16 |

**Fourth Semester**

| | | |
|---|---|---|
| HRM217 | Issues in the Hospitality Industry | 2 |
| ....... | Hotel/Restaurant/Hospitality Elective\* | 3 |
| ...... | Restricted Elective\*\* | 3 |
| ...... | Humanities Elective\*\*\* | 3 |
| ...... | Social Science Elective\*\*\* | 3 |
| ...... | General Education Elective\*\*\* | 3 |
| | | 17 |

**Specific Program Notes**
\*Hotel/Restaurant/Hospitality Electives may be satisfied by courses in Accounting, Business Administration, and Hotel/Restaurant/Hospitality.
\*\*The Restricted Elective requirements may be satisfied by course in Accounting, Business Administration, and Hotel/Restaurant/Hospitality.
\*\*\*General Education Elective(s) – see page 1.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**Program: Business Technologies – Hotel/Restaurant/Hospitality – Catering and Banquet Management**
**Degree: Associate in Applied Science**
**Code: AAS.BT.HR.CATER**
Business Technologies, Hotel/Restaurant/Hospitality - Catering and Banquet Management Students interested specifically in the management and operation of a facility offering catering and banquet services should enroll in this program option. Students will understand the regulations and standards that concern the hospitality industry and be proficient in food preparation and production, purchasing, and all phases of decorating and serving food. Graduates are eligible for jobs and supervisory or middle management positions in the banquet department of hotels, restaurants, food service companies, and related areas of the hospitality industry.

## GENERAL EDUCATION REQUIREMENTS — 21-22

**Communication** — 6
WRT101 English Composition I — 3
WRT... WRT201 English Composition II or — 3
   WRT202 Technical Writing

**Humanities Electives*** — 6
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective*** — 3
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology*** — 3-4
One general education course to be selected from the following fields: Mathematics (MAT); Computer Science (CIS) Information Technology (INF); Biology (BIO); Chemistry (CHM); Physics (PHY).

**Additional General Education Elective*** — 3

## PROGRAM REQUIREMENTS — 44
ACC206 Hospitality Accounting — 3
BUS101 Introduction to Business — 3
BUS103 Business Mathematics — 3
HRM101 Intro to Hospitality Management — 3
HRM102 Food Protection and Safety — 3
HRM103 Professional Food Preparation Techniques — 3
HRM106 Menu Planning and Nutrition — 1
HRM108 Computer Applications for the Hospitality Industry — 1
HRM201 Food and Beverage Cost Control — 1
HRM202 Quantity Food Production & Service** — 3
HRM203 Beverage Management — 2
HRM204 Food Purchasing — 2
HRM205 Restaurant Service Management — 3
HRM206 Commercial Restaurant Operation*** — 3
HRM207 Hotel Sales & Convention Planning — 1
HRM213 Classical Garde-Manger** — 3
HRM214 Banquet & Catering Management — 2
HRM217 Issues in the Hospitality Industry — 2
HRM462 Co-Op Work Experience (H/R/H) — 2

## TOTAL CREDITS — 65-66

## RECOMMENDED SEMESTER SEQUENCE

### First Semester

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| HRM101 | Intro to Hospitality Management | 3 |
| HRM102 | Food Protection and Safety | 3 |
| HRM103 | Professional Food Preparation Techniques | 3 |
| HRM106 | Menu Planning and Nutrition | 1 |
| WRT101 | English Composition I | 3 |
| | | 16 |

### Second Semester

| | | |
|---|---|---|
| ACC206 | Hospitality Accounting | 3 |
| BUS103 | Business Mathematics | 3 |
| HRM108 | Computer Applications for the Hospitality Industry | 1 |
| HRM462 | Co-Op Work Experience (H/R/H) | 2 |
| WRT201 | English Composition II | 3 |
| ...... | General Education Elective* | 3 |
| | | 15 |

### Third Semester

| | | |
|---|---|---|
| HRM202 | Quantity Food Production and Service** | 3 |
| HRM203 | Beverage Management | 2 |
| HRM204 | Food Purchasing | 2 |
| HRM205 | Restaurant Service Management | 3 |
| HRM214 | Banquet & Catering Management | 2 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| | | 18 |

### Fourth Semester

| | | |
|---|---|---|
| HRM201 | Food and Beverage Cost Control | 1 |
| HRM206 | Commercial Restaurant Operation*** | 3 |
| HRM207 | Hotel Sales & Convention Planning | 1 |
| HRM213 | Classical Garde-Manger** | 3 |
| HRM217 | Issues in Hospitality Industry | 2 |
| ...... | Humanities Elective* | 3 |
| ...... | Math/Computer Science/Natural Science/Technology Elective* | 3-4 |
| | | 16-17 |

**Specific Program Notes**
*General Education Course List – see page 1.
**Class offered only during fall semester.
***Class offered only during spring semester.

Students enrolled in this program **ARE NOT REQUIRED to** successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Business Technologies – Hotel/Restaurant/Hospitality – Culinary Entrepreneurship**
**Degree: Associate in Applied Science**
**Code: AAS.BT.HR.CUL.EPR**
Business Technologies, Hotel/Restaurant/Hospitality - Culinary Entrepreneurship This program option consists of foundation classes for culinary students or professionals who are looking for alternative ways to earn income in the culinary industry. This program is geared to professionals who want to break out of a particular niche or specialty within the culinary industry or to students enrolled in traditional cooking and hospitality programs who want broader exposure to the industry than is provided in the typical culinary arts curriculum.

## GENERAL EDUCATION REQUIREMENTS 21-22

**Communication** 6
WRT101 English Composition I 3
WRT... WRT201 English Composition II or 3
    WRT202 Technical Writing

**Humanities Electives*** 6
Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective*** 3
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology*** 3-4
One general education course to be selected from the following fields: Mathematics (MAT); Computer Science (CIS) Information Technology (INF); Biology (BIO); Chemistry (CHM); Physics (PHY).

**Additional General Education Elective*** 3

**PROGRAM REQUIREMENTS** 43
ACC206 Hospitality Accounting 3
BUS101 Introduction to Business 3
BUS205 Entrepreneurship 3
HRM101 Intro to Hospitality Management 3
HRM102 Food Protection 3
HRM103 Professional Food Preparation Techniques 3
HRM106 Menu Planning and Nutrition 1
HRM108 Computer Applications/Hospitality Industry 1
HRM110 Introduction to Baking 3
HRM129/BUS129 Event Planning & Management I 3
HRM201 Food and Beverage Cost Control 1
HRM205 Restaurant Service Management 3
HRM213 Classical Garde-Manger** 3
HRM214 Banquet and Catering Management 3
HRM219/LGL219 Hospitality Law 3
HRM462 Co-Op Work Experience (H/R/H) 2
HRT115 Floral Design 3

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| BUS101 | Introduction to Business | 3 |
| --- | --- | --- |
| HRM101 | Intro to Hospitality Management | 3 |
| HRM102 | Food Protection and Safety | 3 |
| HRM103 | Professional Food Preparation Techniques | 3 |
| HRM106 | Menu Planning and Nutrition | 1 |
| HRM110 | Introduction to Baking | 3 |
| | | 16 |

**Second Semester**

| HRM108 | Computer Applications/ Hospitality Industry | 1 |
| --- | --- | --- |
| HRM201 | Food and Beverage Cost Control | 1 |
| HRM214 | Banquet & Catering Management | 2 |
| HRM/LGL219 Hospitality Law | | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| | | 16 |

**Third Semester**

| ACC206 | Hospitality Accounting | 3 |
| --- | --- | --- |
| HRM205 | Restaurant Service Management | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Math/Computer Science/Natural Science/Technology Elective* | 3-4 |
| ...... | General Education Elective* | 3 |
| | | 15-16 |

**Fourth Semester**

| BUS205 | Entrepreneurship | 3 |
| --- | --- | --- |
| HRM/BUS129 Event Planning & Management I | | 3 |
| HRM213 | Classical Garde-Manger** | 3 |
| HRM462 | Co-Op Work Experience (H/R/H) | 2 |
| HRT115 | Floral Design | 3 |
| ...... | Humanities Elective* | 3 |
| | | 17 |

**TOTAL CREDITS** 64-65

**Specific Program Notes**
*General Education Course List – see page 1.
**Class offered only during fall semester.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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**Program: Business Technologies – Hotel/Restaurant/Hospitality – Event Planning and Management**
**Degree: Associate in Applied Science**
**Code: AAS.BT.HR.EVENT**
Business Technologies, Hotel/Restaurant/Hospitality - Event Planning and Management Option Students who choose this option should have strong organizational and communication skills. Business relies on successful events to encourage growth and promote enthusiasm throughout an industry in regards to their company. The Event Planner coordinates and organizes meetings, luncheons and other special events. Some Event Planners ensure that the company conducting the meeting or event is aware to the facility's services and limitations. The Event Planner also must contact a facility representative and other vendors and organize other details for the event.

| GENERAL EDUCATION REQUIREMENTS | 21-22 |
|---|---|

| **Communication** | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or WRT202 Technical Writing | 3 |

**Humanities Electives**   6
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective**   3
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology**   3-4
One general education course to be selected from the following fields: Mathematics (MAT); Computer Science (CIS) Information Technology (INF); Biology (BIO); Chemistry (CHM); Physics (PHY).

**Additional General Education Elective**   3

**PROGRAM REQUIREMENTS**   44
| ACC206 Hospitality Accounting | 3 |
|---|---|
| BUS101 Introduction to Business | 3 |
| BUS201 Marketing Principles | 3 |
| BUS205 Entrepreneurship | 3 |
| BUS207 Principles of Management | 3 |
| HRM101 Intro to Hospitality Management | 3 |
| HRM102 Food Protection and Safety | 3 |
| HRM104 Front Office Procedures | 2 |
| HRM129/BUS129 Event Planning & Management I | 3 |
| HRM229/BUS229 Event Planning & Management II | 3 |
| HRM203 Beverage Management | 2 |
| HRM205 Restaurant Service Management | 3 |
| HRM207 Hotel Sales and Convention Planning | 1 |
| HRM214 Banquet & Catering Management | 2 |
| HRM217 Issues in the Hospitality Industry | 2 |
| HRM219/LGL219 Hospitality Law | 3 |
| HRM462 Co-Op Work Experience (H/R/H) | 2 |

| TOTAL CREDITS | 65-66 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**
| BUS101 | Introduction to Business | 3 |
|---|---|---|
| HRM101 | Intro to Hospitality Management | 3 |
| HRM102 | Food Protection and Safety | 3 |
| HRM104 | Front Office Procedures | 2 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective** | 3 |
| | | 17 |

**Second Semester**
| BUS205 | Entrepreneurship | 3 |
|---|---|---|
| BUS207 | Principles of Management | 3 |
| HRM/BUS129 Event Planning & Management I | | 3 |
| HRM203 | Beverage Management | 2 |
| HRM214 | Banquet & Catering Management | 2 |
| WRT201 | English Composition II | 3 |
| | | 16 |

**Third Semester**
| ACC206 | Hospitality Accounting | 3 |
|---|---|---|
| HRM205 | Restaurant Service Management | 3 |
| HRM207 | Hotel Sales and Convention Planning | 1 |
| HRM/BUS229 Event Planning & Management II | | 3 |
| ...... | Math/Computer Science/Natural Science/Technology Elective** | 3-4 |
| ...... | Social Science Elective** | 3 |
| | | 16-17 |

**Fourth Semester**
| BUS201 | Marketing Principles | 3 |
|---|---|---|
| HRM217 | Issues in the Hospitality Industry | 2 |
| HRM/LGL219 Hospitality Law | | 3 |
| HRM462 | Co-Op Work Experience (H/R/H) | 2 |
| ...... | Humanities Elective** | 3 |
| ...... | General Education Elective** | 3 |
| | | 16 |

**Specific Program Notes**
*Class offered only during fall semester.
**General Education Course List – see page 1.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Business Technologies – Hotel/Restaurant/Hospitality – Hospitality Management**
**Degree: Associate in Applied Science**
**Code: AAS.BT.HR.HOSP**
Business Technologies, Hotel/Restaurant/Hospitality - Hospitality Management Students interested specifically in the management of people, goods, and services in the hospitality industry, should enroll in this program option. Students will understand the regulations and standards that concern the hospitality industry and be proficient in food preparation, purchasing, and all phases of hospitality work, supervision and management. Graduates are eligible for jobs and supervisory or middle management positions in hotels, restaurants, food service companies, and related areas of the hospitality industry.

## GENERAL EDUCATION REQUIREMENTS      21-22

**Communication**      6
WRT101 English Composition I      3
WRT... WRT201 English Composition II or      3
    WRT202 Technical Writing

**Humanities Electives**\*\*      6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective**\*\*      3
One general education course selected from the following
fields: Economics (ECO); Geography (GEO); Political
Science (POL); Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

**Mathematics, Natural Science, & Technology**\*\*      3-4
One general education course to be selected from the
following fields: Mathematics (MAT); Computer Science (CIS)
Information Technology (INF); Biology (BIO); Chemistry (CHM);
Physics (PHY).

**Additional General Education Elective**\*\*      3

**PROGRAM REQUIREMENTS**      44
ACC206 Hospitality Accounting      3
BUS101 Introduction to Business      3
BUS103 Business Mathematics      3
HRM101 Intro to Hospitality Management      3
HRM102 Food Protection      3
HRM103 Professional Food Preparation Techniques      3
HRM104 Front Office Procedures      2
HRM106 Menu Planning and Nutrition      1
HRM108 Computer Applications/      1
HRM201 Food and Beverage Cost Control      1
HRM202 Quantity Food Production and Service \*      3
HRM203 Beverage Management      2
HRM204 Food Purchasing      2
HRM205 Restaurant Service Management      3
HRM206 Commercial Restaurant Operation\*\*\*      3
HRM207 Hotel Sales & Convention Planning      1
HRM217 Issues in the Hospitality Industry      2
HRM219/LGL219 Hospitality Law      3
HRM462 Co-Op Work Experience (H/R/H)      2

**TOTAL CREDITS**      65-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| HRM101 | Intro to Hospitality Management | 3 |
| HRM102 | Food Protection and Safety | 3 |
| HRM103 | Professional Food Preparation Techniques | 3 |
| HRM106 | Menu Planning and Nutrition | 1 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Second Semester**

| | | |
|---|---|---|
| ACC206 | Hospitality Accounting | 3 |
| BUS103 | Business Mathematics | 3 |
| HRM217 | Issues in the Hospitality Industry | 2 |
| HRM462 | Co-Op Work Experience (H/R/H) | 2 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective\*\* | 3 |
| | | 16 |

**Third Semester**

| | | |
|---|---|---|
| HRM104 | Front Office Procedures | 2 |
| HRM108 | Computer Applications/ Hospitality Industry | 1 |
| HRM202 | Quantity Food Production/Service\* | 3 |
| HRM204 | Food Purchasing | 2 |
| HRM205 | Restaurant Service Management | 3 |
| HRM/LGL219 Hospitality Law | | 3 |
| ...... | Social Science Elective\*\* | 3 |
| | | 17 |

**Fourth Semester**

| | | |
|---|---|---|
| HRM201 | Food and Beverage Cost Control | 1 |
| HRM203 | Beverage Management | 2 |
| HRM206 | Commercial Restaurant Operation\*\*\* | 3 |
| HRM207 | Hotel Sales & Convention Planning | 1 |
| ...... | Math/Computer Science/Natural Science/Technology Elective\*\* | 3-4 |
| ...... | Humanities Elective\*\* | 3 |
| ...... | General Education Elective\*\* | 3 |
| | | 16-17 |

**Specific Program Notes**
\*Class offered only during fall semester.
\*\*General Education Elective(s) – see page 1.
\*\*\*Class offered only during spring semester.

**Specific Program Notes, continued**
Students who enter this program in the spring should reverse the THIRD and FOURTH semesters, that is, take the FOURTH semester before the THIRD semester.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**Program: Business Technologies – Information Technology – Office Technology**
**Degree: Associate in Applied Science**
**Code: AAS.BT.OFF.TECH**

| GENERAL EDUCATION REQUIREMENTS | 21-22 |
|---|---|

**Communication** 6
WRT101 English Composition I ... 3

| WRT... WRT201 English Composition II or | 3 |
| WRT202 Technical Writing | |

**Humanities Electives\*\*** 6
Two general education courses selected from the following fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective\*\*** 3
One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology\*\*** 3-4
One general education course to be selected from the following fields: Mathematics (MAT); Computer Science (CIS) Information Technology (INF); Biology (BIO); Chemistry (CHM); Physics (PHY).

**Additional General Education Elective\*\*** 3

**PROGRAM REQUIREMENTS** 43
INF100 Keyboarding\* 3
INF101 Intro to Information Technology 3
INF114 Microsoft Office 3
INF119 Document Processing with Microsoft Word 3
INF140 Introduction to Multimedia 3
INF146 Web Development 3
INF217 Database for Applications [Oracle] 3
INF228 Excel for Problem Solving 1
ACC120 Computerized Accounting 3
BUS101 Introduction to Business 3
BUS103 Business Mathematics 3
BUS105 Business Communications 3
BUS271 e-Commerce 3
...... Restricted Electives\*\*\* 6

**TOTAL CREDITS** 64-65

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| INF100 | Keyboarding\* | 3 |
|---|---|---|
| INF101 | Intro to Information Technology | 3 |
| INF114 | Microsoft Office | 3 |
| BUS101 | Introduction to Business | 3 |
| WRT101 | English Composition I | 3 |
| | | 15 |

**Second Semester**

| INF119 | Document Processing with Microsoft Word | 3 |
|---|---|---|
| INF140 | Introduction to Multimedia | 3 |
| INF146 | Web Development | 3 |
| BUS103 | Business Mathematics | 3 |
| BUS105 | Business Communications | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| | | 18 |

**Third Semester**

| INF217 | Database for Applications [Oracle] | 3 |
|---|---|---|
| ACC120 | Computerized Accounting | 3 |
| ...... | Humanities Elective\*\* | 3 |
| ...... | Math/Computer Science/Natural Science/Technology Elective\*\* | 3-4 |
| ...... | General Education Elective\*\* | 3 |
| | | 15-16 |

**Fourth Semester**

| INF228 | Excel for Problem Solving | 1 |
|---|---|---|
| BUS271 | e-Commerce | 3 |
| ...... | Restricted Electives\*\*\* | 6 |
| ...... | Humanities Elective\*\* | 3 |
| ...... | Social Science Elective\*\* | 3 |
| | | 16 |

**Specific Program Notes**
\*Credit by Exam may be available.
\*\*General Education Elective(s) – see page 1.
\*\*\*Restricted Electives – Select two: INF108; INF150; INF160; INF253; or WEX101 and INF165.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**Program: Human Services – Early Childhood Education**
**Degree: Associate in Applied Science**
**Code: AAS.HS.EARLY.CHILD**

| GENERAL EDUCATION REQUIREMENTS | 21-22 |
|---|---|

| **Communication** | **6** |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or WRT202 Technical Writing | 3 |

**Humanities Electives\***      **6**
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN)

| **Social Science: PSY101 General Psychology** | **3** |
|---|---|

**Mathematics, Natural Science, & Technology\***      **3-4**
One general education course to be selected from the following fields: Mathematics (MAT); Computer Science (CIS) Information Technology (INF); Biology (BIO); Chemistry (CHM); Physics (PHY).

| **Additional General Education Elective\*** | **3** |
|---|---|

| **PROGRAM REQUIREMENTS** | **41** |
|---|---|
| PSY201 Child Psychology | 3 |
| SOC102 Introduction to Human Services | 3 |
| EDU101 Introduction to Education | 3 |
| EDU120 Early Childhood Education I | 3 |
| COM100 Speech Communication | 3 |
| EDU110 Foundations of Multicultural Education | 3 |
| EDU124 Curriculum Materials & Methods | 3 |
| EDU130 Infants and Toddlers in Early Childhood Ed | 3 |
| EDU220 Early Childhood Education II | 3 |
| EDU222 Supervised Field Work Experience I | 2 |
| EDU223 Field Work Seminar I | 2 |
| EDU126 Developing & Implementing Curriculum | 3 |
| EDU132 Parenting of Very Young Children | 3 |
| EDU224 Supervised Field Work Experience II | 2 |
| EDU225 Field Work Seminar II | 2 |

**PROGRAM SUPPORT REQUIREMENTS**

| COM... COM100 Speech Communication or COM102 Public Speaking | 3 |
|---|---|

| **TOTAL CREDITS** | **64-65** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
|---|---|---|
| SOC102 | Intro to Human Services | 3 |
| WRT101 | English Composition I | 3 |
| PSY101 | General Psychology | 3 |
| ...... | Math/Computer Science/Natural Science/Technology Elective\* | 3-4 |
| | | 15-16 |

**Second Semester**

| EDU101 | Introduction to Education | 3 |
|---|---|---|
| EDU120 | Early Childhood Education I | 3 |
| PSY201 | Child Psychology | 3 |
| EDU110 | Foundations of Multicultural Ed | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| ...... | Humanities Elective\* | 3 |
| | | 18 |

**Third Semester**

| EDU124 | Curriculum Materials & Methods | 3 |
|---|---|---|
| EDU130 | Infants & Toddlers in Early Childhood Education | 3 |
| EDU220 | Early Childhood Education II | 3 |
| EDU222 | Supervised Field Work Exp I | 2 |
| EDU223 | Field Work Seminar I | 2 |
| ...... | General Education Elective\* | 3 |
| | | 16 |

**Fourth Semester**

| EDU126 | Developing & Implementing Curriculum | 3 |
|---|---|---|
| EDU132 | Parenting of Very Young Children | 3 |
| EDU224 | Supervised Field Work Exp II | 2 |
| EDU225 | Field Work Seminar II | 2 |
| ...... | Humanities Elective\* | 3 |
| | | 13 |

**Specific Program Notes**
\*General Education Elective(s) – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**Program: Human Services – Correctional Studies**
**Degree: Associate in Applied Science**
**Code: AAS.HS.CORR**

## GENERAL EDUCATION REQUIREMENTS — 21-22

| | |
|---|---|
| **Communication** | **6** |
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or WRT202 Technical Writing | 3 |

**Humanities Electives**\*\* — **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective**\*\* — **3**
One general education course selected from the following
fields: Economics (ECO); Geography (GEO); Political
Science (POL); Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

**Mathematics, Natural Science, & Technology**\*\* — **3-4**
One general education course to be selected from the
following fields: Mathematics (MAT); Computer Science (CIS)
Information Technology (INF); Biology (BIO); Chemistry (CHM);
Physics (PHY).

| | |
|---|---|
| **Additional General Education Course:** | **3** |
| COM... COM100 Speech Communication or COM102 Public Speaking | |

| | |
|---|---|
| **PROGRAM REQUIREMENTS** | **39** |
| CRJ101 Introduction to Criminal Justice* | 3 |
| CRJ102 Introduction to Corrections* | 3 |
| CRJ103 Criminal Law | 3 |
| CRJ107 Criminology*** | 3 |
| CRJ108 Topics in Criminal Justice | 3 |
| CRJ113 The Juvenile Justice Process | 3 |
| CRJ114 Correctional Administration* | 3 |
| CRJ115 Correctional Law* | 3 |
| POL104 State & Local Government | 3 |
| PSY102 Intro to Abnormal Psychology or PSY104 Psychology of Human Relations | 3 |
| SOC101 Sociology*** | 3 |
| SOC103 Sociology of the Family | 3 |
| SOC113 Social Problems | 3 |

| | |
|---|---|
| **PROGRAM SUPPORT REQUIREMENTS** | **3** |
| WEX101 Dynamics of Health & Fitness | 2 |
| WEX... Dynamics of Health & Fitness Exp | 1 |

| | |
|---|---|
| **FREE ELECTIVE** | **2** |
| **TOTAL CREDITS** | **65-66** |

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| CRJ101 | Introduction to Criminal Justice* | 3 |
| CRJ102 | Introduction to Corrections* | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective** | 3 |
| ...... | Social Science Elective**† | 3 |
| WEX101 | Dynamics of Health & Fitness | 2 |
| | | 17 |

**Second Semester**

| | | |
|---|---|---|
| CRJ108 | Topics in Criminal Justice | 3 |
| CRJ113 | The Juvenile Justice Process | 3 |
| POL104 | State & Local Government | 3 |
| SOC101 | Sociology*** | 3 |
| WRT201 | English Composition II | 3 |
| WEX... | Dynamics of Health & Fitness Exp (WEX201, 204, 205, 206, or 208) | 1 |
| | | 16 |

**Third Semester**

| | | |
|---|---|---|
| CRJ107 | Criminology*** | 3 |
| CRJ114 | Correctional Administration* | 3 |
| LIT220 | Social Aspects of Literature | 3 |
| SOC103 | Sociology of the Family | 3 |
| ...... | Math/Computer Science/Natural Science/Technology Elective** | 3-4 |
| | | 15-16 |

**Fourth Semester**

| | | |
|---|---|---|
| CRJ115 | Correctional Law* | 3 |
| PSY102 | Intro to Abnormal Psychology or | 3 |
| PSY104 | Psychology of Human Relations | |
| SOC113 | Social Problems | 3 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| ...... | Humanities Elective**‡ | 3 |
| ...... | Free Elective‡‡ | 2 |
| | | 17 |

**Specific Program Notes**
*Highly recommended: take CRJ102 before taking CRJ114 and CRJ115.
**General Education Elective(s) – see page 1.
***Highly recommended: take SOC101 before taking CRJ107.
†Highly recommended: PSY101.
‡Highly recommended: PHR102.
‡‡Highly recommended: CRJ463 Coo-Op Education [Corrections].

**Specific Program Notes, continued**

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**Program: Human Services – Law Enforcement Studies**
**Degree: Associate in Applied Science**
**Code: AAS.HS.LAWENF**

| GENERAL EDUCATION REQUIREMENTS | 21-22 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

| Communication | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or<br>  WRT202 Technical Writing | 3 |

**Humanities Electives*** 6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective*** 3**
One general education course selected from the following
fields: Economics (ECO); Geography (GEO); Political
Science (POL); Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

**Mathematics, Natural Science, & Technology*** 3-4**
One general education course to be selected from the
following fields: Mathematics (MAT); Computer Science (CIS)
Information Technology (INF); Biology (BIO); Chemistry (CHM);
Physics (PHY).

| Additional General Education Course: | 3 |
|---|---|
| COM... COM100 Speech Communication or<br>  COM102 Public Speaking | |

| PROGRAM REQUIREMENTS | 39 |
|---|---|
| CRJ101 Introduction to Criminal Justice* | 3 |
| CRJ103 Criminal Law* | 3 |
| CRJ105 Police Administration* | 3 |
| CRJ107 Criminology** | 3 |
| CRJ109 Contemporary Issues in Policing | 3 |
| CRJ111 Criminal Investigation | 3 |
| CRJ113 The Juvenile Justice Process | 3 |
| POL104 State & Local Government | 3 |
| PSY102 Intro to Abnormal Psychology<br>  or<br>PSY104 Psychology of Human Relations | 3 |
| SOC101 Sociology** | 3 |
| SOC103 Sociology of the Family | 3 |
| SOC113 Social Problems | 3 |

| PROGRAM SUPPORT REQUIREMENTS | 3 |
|---|---|
| WEX101 Dynamics of Health & Fitness | 2 |
| WEX... Dynamics of Health & Fitness Exp | 1 |

| FREE ELECTIVE | 2 |
|---|---|

| TOTAL CREDITS | 65-66 |
|---|---|

**First Semester**

| CRJ101 | Introduction to Criminal Justice* | 3 |
|---|---|---|
| SOC101 | Sociology** | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective***† | 3 |
| ...... | Social Science Elective***‡ | 3 |
| WEX101 | Dynamics of Health & Fitness | 2 |
| | | 17 |

**Second Semester**

| CRJ109 | Contemporary Issues in Policing | 3 |
|---|---|---|
| CRJ113 | The Juvenile Justice Process | 3 |
| POL104 | State & Local Government | 3 |
| SOC103 | Sociology of the Family | 3 |
| WRT201 | English Composition II | 3 |
| WEX... | Dynamics of Health & Fitness Exp<br>(WEX201, 204, 205, 206, or 208) | 1 |
| | | 16 |

**Third Semester**

| CRJ105 | Police Administration* | 3 |
|---|---|---|
| CRJ111 | Criminal Investigation | 3 |
| LIT220 | Social Aspects of Literature | 3 |
| SOC113 | Social Problems | 3 |
| ...... | Math/Computer Science/Natural<br>Science/Technology Elective*** | 3-4 |
| | | 15-16 |

**Fourth Semester**

| CRJ103 | Criminal Law* | 3 |
|---|---|---|
| CRJ107 | Criminology** | 3 |
| COM... | COM100 Speech Communication<br>or COM102 Public Speaking | 3 |
| PSY102 | Intro to Abnormal Psychology<br>or | 3 |
| PSY104 | Psychology of Human Relations | |
| ...... | Humanities Elective***‡‡ | 3 |
| ...... | Free Elective | 2 |
| | | 17 |

**Specific Program Notes**
*Highly recommended: take CRJ101 before taking CRJ103 and CRJ105.
**Highly recommended: take SOC101 before taking CRJ107.
***General Education Elective(s) – see page 1.
†Highly recommended: PHR102.
‡Highly recommended: PSY101.
‡‡Highly recommended: HIS112.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic
Skills Placement Test.

**Program: Human Services – Legal Studies – Paralegal**
**Degree: Associate in Applied Science**
**Code: AAS.LS.PARALGL**

## GENERAL EDUCATION REQUIREMENTS     21-22

**Communication**     6
WRT101 English Composition I     3

| | |
|---|---|
| WRT... WRT201 English Composition II or | 3 |
|      WRT202 Technical Writing | |

**Humanities Electives***     6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN).

**Social Science Elective***     3
One general education course selected from the following
fields: Economics (ECO); Geography (GEO); Political
Science (POL); Psychology (PSY); Sociology (SOC) and
Anthropology (ANT).

**Mathematics, Natural Science, & Technology***     3-4
One general education course to be selected from the
following fields: Mathematics (MAT); Computer Science (CIS)
Information Technology (INF); Biology (BIO); Chemistry (CHM);
Physics (PHY).

**Additional General Education Course:**     3

| | |
|---|---|
| COM... COM100 Speech Communication or | |
|      COM102 Public Speaking | |

## PROGRAM REQUIREMENTS     44

| | |
|---|---|
| LGL101 Fundamentals of Law | 3 |
| LGL103 Legal Research and Writing | 3 |
| LGL110 Legal Ethics | 3 |
| LGL200 Business Communications for Paralegals | 3 |
| LGL202 NJ and Federal Courts | 3 |
| LGL203 Paralegalism and Legal Procedure | 3 |
| LGL205 Mechanics of Property Transactions | 3 |
| LGL206 Mechanics of Commercial Transactions | 3 |
| LGL207 Wills and Administration | 3 |
| LGL208 Mechanics of Family Law Transactions | 3 |
| LGL210 Legal Accounting I | 3 |
| LGL220 Computer Assisted Legal Research | 3 |
| LGL234 Personal Injury and Product Liability | 3 |
| LGL462 Co-Op Work Exp [Paralegal] | 2 |
| REA101 Principles of Real Estate I | 3 |

**TOTAL CREDITS**     65-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| LGL101 | Fundamentals of Law | 3 |
|---|---|---|
| LGL103 | Legal Research and Writing | 3 |
| LGL110 | Legal Ethics | 3 |
| REA101 | Principles of Real Estate I | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Social Science Elective* | 3 |
| | | 18 |

**Second Semester**

| LGL200 | Business Communications for Paralegals** | 3 |
|---|---|---|
| LGL203 | Paralegalism & Legal Procedure** | 3 |
| LGL220 | Computer Assisted Legal Research | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Humanities Elective* | 3 |
| | | 15 |

**Third Semester**

| LGL202 | NJ and Federal Courts** | 3 |
|---|---|---|
| LGL205 | Mechanics of Prop Transactions** | 3 |
| LGL207 | Wills and Administration** | 3 |
| LGL208 | Mechanics of Family Law** | 3 |
| ...... | Math/Computer Science/Natural Science/Technology Elective* | 3-4 |
| ...... | Humanities Elective*† | 3 |
| | | 18-19 |

**Fourth Semester**

| LGL206 | Mechanics of Commercial Transactions** | 3 |
|---|---|---|
| LGL210 | Legal Accounting I** | 3 |
| LGL234 | Personal Injury and Product Liability** | 3 |
| LGL462 | Co-Op Work Exp [Paralegal] | 2 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| | | 14 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
**Specialized course that may be offered only in the evening.
†PHR105 Professional Ethics is recommended.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**Program: Music – Music Business Option**
**Degree: Associate in Applied Science**
**Code: AAS.MUSC.MUS.BUS**

| GENERAL EDUCATION REQUIREMENTS | 21-22 |
|---|---|

| **Communication** | **6** |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or | 3 |
| WRT202 Technical Writing | |

**Humanities Electives***      **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN).

| **Social Science Course** | **3** |
|---|---|
| ECO101 Macroeconomics | 3 |

**Mathematics, Natural Science, & Technology***    **3-4**
One general education course to be selected from the
following fields: Mathematics (MAT); Computer Science (CIS)
Information Technology (INF); Biology (BIO); Chemistry (CHM);
Physics (PHY).

| **Additional General Education Elective:*** | **3** |
|---|---|

| **PROGRAM REQUIREMENTS** | **43-44** |
|---|---|
| ACC110 Financial Accounting | 3 |
| BUS101 Introduction to Business | 3 |
| BUS105 Business Communications | 3 |
| COM101 Mass Media of Communication | 3 |
| MUS152 Introduction to the Music Business | 3 |
| MUS163 Careers in Music | 3 |
| MUS252 Music in the Marketplace | 3 |
| MUS262 Concert Promotion & Production | 3 |
| MUS462 Co-Op Work Exp [Music] | 2 |
| MUS... Music Electives | 11-12 |

| BUS... Business Elective | |
|---|---|
| or | |
| INF... Information Technology Elective | 6 |
| or | |
| COM... Communication Elective | |

| **TOTAL CREDITS** | **64-66** |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| BUS101 | Introduction to Business | 3 |
|---|---|---|
| MUS152 | Introduction to the Music Business | 3 |
| MUS163 | Careers in Music | 3 |
| MUS... | Music Elective | 2-3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities Elective* | 3 |
| | | 17-18 |

**Second Semester**

| MUS252 | Music in the Marketplace | 3 |
|---|---|---|
| MUS... | Music Elective | 3 |
| BUS... | Business Elective | |
| | or | |
| INF... | Information Technology Elective | 3 |
| | or | |
| COM... | Communication Elective | |
| COM101 | Mass Media of Communication | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| | | 15 |

**Third Semester**

| MUS262 | Concert Promotion & Production | 3 |
|---|---|---|
| MUS... | Music Elective | 3 |
| BUS105 | Business Communications | 3 |
| ECO101 | Macroeconomics | 3 |
| ...... | Math/Computer Science/Natural Science/Technology Elective* | 3-4 |
| | | 15-16 |

**Fourth Semester**

| MUS462 | Co-Op Work Exp [Music] | 2 |
|---|---|---|
| ACC110 | Financial Accounting | 3 |
| BUS... | Business Elective | |
| | or | |
| INF... | Information Technology Elective | 3 |
| | or | |
| COM... | Communication Elective | |
| MUS... | Music Elective | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | General Education Elective* | 3 |
| | | 17 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic
Skills Placement Test.

## AAS Degree Programs – Health Professions and Career Technologies

| Curriculum Requirements | | |
|---|---|---|
| **Degree: Associate in Science**<br>**Code: AAS**<br><br>As stated above (p. 61), Associate in Applied Science (AAS) degree programs are designed to prepare students for employment in their chosen fields of endeavor. Such programs are not designed to prepare students for transfer into bachelor's degree programs in four-year colleges and universities although some such programs may have transfer agreements with select four-year schools for graduates wishing to continue their education at the bachelor's degree level.<br><br>The career AAS degree programs presented in this section are organized according to the following categories: Health Professions and Career Technologies.<br><br>To receive the Associate in Applied Science (AAS) degree, a student must earn a minimum of 64 credits and complete all courses and specific requirements listed within the student's chosen curriculum. Each AAS curriculum in Health Professions or Career Technologies must contain the following general education and other program requirements: | | |

| Area of Study | Credits | Course Description |
|---|---|---|
| Communication | 6 | WRT101 English Composition I (3 cr.)<br>WRT201 English Composition II (3 cr.)<br>or WRT202 Technical Writing (3 cr.) |
| Humanities and Social Sciences | 6 | Two general education courses (6 cr.) to be selected from the following fields, with no more than one course (3 cr.) in any one field:<br>Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN])<br>Literature (LIT)<br>Philosophy and Religion (PHR)<br>World Languages and Cultures (LAN)<br><br>Economics (ECO)<br>Geography (GEO)<br>Political Science (POL)<br>Psychology (PSY)<br>Sociology (SOC) and Anthropology (ANT) |
| Mathematics, Natural Sciences, and Technology | 7-8 | Two general education courses (7-8 cr.) to be selected from the following fields:<br>Mathematics (MAT)<br>Computer Science (CIS)<br>Information Technology (INF)<br>Biology (BIO)<br>Chemistry (CHM)<br>Physics (PHY) |
| General Education Credits | 0-3 | To be assigned in accordance with the needs of the program. |
| Total GE Credits: | 20-22 | |
| Other Requirements | 38-45 | Restricted Program Requirements and Program Support Requirements. |
| Free Electives | 0-6 | Programs can make recommendations in footnotes. |
| Total Credits | 64-66 | Note: Some AAS programs require more than 66 credits for licensing/accreditation purposes. |

**Program: Health Professions – Dental Hygiene**
**Degree: Associate in Applied Science**
**Code: AAS.HP.DENTL**
Program Length: 24 months; Preadmission Test: Dental Hygiene Admissions Exam; GPA for admissions eligibility: 2.50
High School prerequisite courses: Chemistry, with lab; Biology, with lab; Algebra; College substitutions: BIO109; MAT035; CHM100;
Application Deadline: February 1; Program Admits: Fall semester
Note: High School Biology is waived if College Biology, preferably BIO109, is successfully completed. Eligible candidates are invited to sit for the Dental Hygiene Admissions Examination.

| GENERAL EDUCATION REQUIREMENTS | 20 |
|---|---|

| **Communication** | **6** |
|---|---|
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities\* and Social Sciences** — **6**
One general education course selected from the — 3
Following fields: Arts (Art [ART], Music [MUS],
Theatre Arts [THR], Cinema Studies [CIN]);
History (HIS); Literature (LIT);Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

| PSY101 General Psychology | 3 |
|---|---|

| **Mathematics, Natural Sciences, & Technology** | **8** |
|---|---|
| BIO109 Anatomy & Physiology I | 4 |
| BIO209 Anatomy & Physiology II | 4 |

| **PROGRAM REQUIREMENTS** | **36** |
|---|---|
| DHY101 Oral Hygiene I | 3 |
| DHY201 Oral Hygiene II | 3 |
| DHY202 Oral Hygiene III | 4 |
| DHY203 Oral Hygiene IV | 4 |
| DHY108 Dental & Oral Anatomy & Physiology | 2 |
| DHY109 Oral Embryology & Histology | 2 |
| DHY200 Pharmacology for Dental Hygiene | 2 |
| DHY204 Dental Materials | 2 |
| DHY205 Dental Radiology | 3 |
| DHY206 Community Oral Health I | 2 |
| DHY216 Community Oral Health II | 1 |
| DHY207 General & Oral Pathology | 3 |
| DHY209 Periodontology I | 1 |
| DHY219 Periodontology II | 1 |
| DHY214 Nutrition in Dental Health | 2 |
| DHY220 Local Anesthesia | 1 |

| **PROGRAM SUPPORT REQUIREMENTS** | **17** |
|---|---|
| BIO104 Microbiology | 4 |
| CHM110 Basic Biochemistry | 4 |
| SOC101 Sociology | 3 |
| COM... COM100 Speech Communication<br>        or COM102 Public Speaking | 3 |
| WEX101 Dynamics of Health & Fitness | 2 |
| WEX... Dynamics of Health & Fitness Experience | 1 |

| **TOTAL CREDITS** | **73** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| BIO104 | Microbiology | 4 |
|---|---|---|
| BIO109 | Anatomy & Physiology I | 4 |
| DHY101 | Oral Hygiene I | 3 |
| DHY108 | Dental & Oral Anatomy & Physiology | 2 |
| DHY109 | Oral Embryology & Histology | 2 |
| WRT101 | English Composition I | 3 |
| | | 18 |

**Second Semester**

| BIO209 | Anatomy & Physiology II | 4 |
|---|---|---|
| DHY201 | Oral Hygiene II | 3 |
| DHY205 | Dental Radiology | 3 |
| DHY209 | Periodontology I | 1 |
| WEX101 | Dynamics of Health & Fitness | 2 |
| WRT201... | English Composition II | 3 |
| | | 16 |

**Summer Session**

| CHM110 | Basic Biochemistry | 4 |
|---|---|---|
| DHY200 | Pharmacology for Dental Hygiene | 2 |
| DHY220 | Local Anesthesia | 1 |
| | | 7 |

**Third Semester**

| DHY202 | Oral Hygiene III | 4 |
|---|---|---|
| DHY204 | Dental Materials | 2 |
| DHY206 | Community Oral Health I | 2 |
| DHY207 | General & Oral Pathology | 3 |
| DHY219 | Periodontology II | 1 |
| COM... | COM100 Speech Communication<br>or COM102 Public Speaking | 3 |
| WEX... | Dynamics of Health & Fitness Exp<br>(WEX201, 204, 205, 206, or 208) | 1 |
| | | 16 |

**Fourth Semester**

| DHY203 | Oral Hygiene IV | 4 |
|---|---|---|
| DHY214 | Nutrition in Dental Health | 2 |
| DHY216 | Community Oral Health II | 1 |
| PSY101 | General Psychology | 3 |
| SOC101 | Sociology | 3 |
| ....... | Humanities Elective* | 3 |
| | | 16 |

**Specific Program Notes**
\*General Education Course List – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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**Program: Health Professions – Diagnostic Medical Sonography**
**Degree: Associate in Applied Science**
**Code: AAS.HP.DMS**
Program length: 24 months; GPA for admissions eligibility: 2.50
Pre-Admissions Test: Diagnostic Medical Sonography Admissions Exam
Application Prerequisites: High school students are required to have taken advanced placement Biological Science (AP test documentation required,) high school advanced placement Physics (AP test documentation required,) and high school Algebra. If you have not taken these courses in high school, you need to take BIO109 Anatomy & Physiology I, PHY185 Introduction to Physics, and MAT035 or MAT031/032 Algebra
Application Deadline: February 1; Program Admits: Fall semester
Note: This regional program utilizes clinical education centers throughout the State of New Jersey. Students might be required to travel to distant sites and provide their own transportation.

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## GENERAL EDUCATION REQUIREMENTS — 20-22

### Communication — 6
| | |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or WRT202 Technical Writing | 3 |

### Humanities* and Social Sciences — 6
One 3-credit general education Humanities elective to be — 3
selected from the following fields: Arts (Art [ART],
Music [MUS],Theatre Arts [THR], Cinema Studies [CIN]);
History (HIS); Literature (LIT); Philosophy and Religion (PHR);
World Languages and Cultures (LAN).

Social Science Course: PSY101 General Psychology — 3

### Mathematics, Natural Sciences, & Technology — 8
BIO109 Anatomy & Physiology I — 4
BIO209 Anatomy & Physiology II — 4

### PROGRAM REQUIREMENTS — 43
DMS101 Ultrasound Physics and Instrumentation I — 2
DMS201 Ultrasound Physics and Instrumentation II — 2
DMS102 Clinical Medicine & Patient Care — 2
DMS113 Abdominal Sonography I — 3
DMS213 Abdominal Sonography II — 3
DMS115 Cross-Sectional Anatomy — 4
DMS204 Introduction to Medical Imaging — 1
DMS205 Obstetric and Gynecological Sonography — 3
DMS214 Echocardiography I — 3
DMS227 Echocardiography II — 3
DMS218 Ultrasound Clinic I — 1
DMS219 Ultrasound Clinic II-Abdomen — 2
DMS220 Ultrasound Clinic III-OB/GYN — 2
DMS221 Ultrasound Clinic IV-Echocardiography — 2
DMS222 Ultrasound Clinic V-Vascular — 1
DMS226 OB Sonography II — 3
DMS228 Advanced Ultrasound Practices — 1
DMS229 Vascular Imaging — 2
DMS230 Comprehensive Review — 3

### FREE ELECTIVE — 3

### TOTAL CREDITS — 66

## RECOMMENDED SEMESTER SEQUENCE

### First Semester
| | | |
|---|---|---|
| BIO109 | Anatomy & Physiology I | 4 |
| DMS101 | Ultrasound Physics and Instrumentation I | 2 |
| DMS102 | Clinical Medicine & Patient Care | 2 |
| DMS113 | Abdominal Sonography I | 3 |
| DMS115 | Cross-Sectional Anatomy | 4 |
| WRT101 | English Composition I | 3 |
| | | 18 |

### Second Semester
| | | |
|---|---|---|
| BIO209 | Anatomy & Physiology II | 4 |
| DMS201 | Ultrasound Physics and Instrumentation II | 2 |
| DMS204 | Introduction to Medical Imaging | 1 |
| DMS205 | Obstetric and Gynecological Sonography | 3 |
| DMS213 | Abdominal Sonography II | 3 |
| DMS218 | Ultrasound Clinic I | 1 |
| WRT201... | English Composition II | 3 |
| | | 17 |

### Summer Semester
| | | |
|---|---|---|
| DMS219 | Ultrasound Clinic II-Abdomen | 2 |
| | | 2 |

### Third Semester
| | | |
|---|---|---|
| DMS214 | Echocardiography I | 3 |
| DMS220 | Ultrasound Clinic III-OB/GYN | 2 |
| DMS226 | OB Sonography II | 3 |
| DMS229 | Vascular Imaging | 2 |
| ...... | Humanities Elective* | 3 |
| | | 13 |

### Fourth Semester
| | | |
|---|---|---|
| DMS221 | Ultrasound Clinic IV-Echocardiography | 2 |
| DMS227 | Echocardiography II | 3 |
| DMS228 | Advanced Ultrasound Practices | 1 |
| PSY101 | General Psychology | 3 |
| ...... | Free Elective | 3 |
| | | 12 |

### Summer Semester
| | | |
|---|---|---|
| DMS222 | Ultrasound Clinic V-Vascular | 1 |
| DMS230 | Comprehensive Review | 3 |
| | | 4 |

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**Specific Program Notes**
*General Education Course List – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Health Professions – Health Science**
**Degree: Associate in Applied Science**
**Code: AAS.HP.HEALTH.SCI**
GPA for admissions eligibility: 2.50
Application Deadline: February 1
Program Admits: Fall and Spring semester
Note: Qualified students will be awarded 30 transfer credits. The credits will be applied to the degree in Health Science upon the completion of the curriculum. It is essential to understand that this program does not entitle the graduate eligibility to advanced certification or licensure within the Health Professions discipline.
*Students who enter into this program must be aware of the Bergen Community College policy on the number of credits that must be taken at the College. Students enrolled in the AAS degree in Health Sciences must satisfy the English, Mathematics and algebra basic skills requirements.*
Applicant must have graduated from a program that has acceptable accreditation agencies that is comparable to our Health Professions disciplines. Transcripts and credentials will be evaluated by an appointed admissions committee.

## GENERAL EDUCATION REQUIREMENTS     20-22

| Communication | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or WRT202 Technical Writing | 3 |

**Humanities and Social Sciences*†    6**
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN); Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| Mathematics, Natural Sciences, & Technology* | 8 |
|---|---|
| Natural Science Electives*‡ | 8 |

| PROGRAM SUPPORT REQUIREMENTS | 12 |
|---|---|
| ...... Humanities Elective* | 3 |
| ...... Social Science Elective*† | 3 |
| ...... Mathematics/Computer Science Elective* | 3 |
| WEX101 Dynamics of Health & Fitness | 2 |
| WEX... Dynamics of Health & Fitness Experience | 1 |

| FREE ELECTIVE | 3 |
|---|---|

| TOTAL CREDITS | 35 |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| WRT101 | English Composition I | 3 |
|---|---|---|
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective*† | 3 |
| ...... | Mathematics/Computer Science Elective* | 3 |
| ...... | Natural Science Elective*‡ | 4 |
| WEX101 | Dynamics of Health & Fitness | 2 |
| | | 18 |

**Second Semester**

| WRT201... | English Composition II | 3 |
|---|---|---|
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective*† | 3 |
| ...... | Natural Science Elective*‡ | 4 |
| WEX... | Dynamics of Health & Fitness Exp (WEX201, 204, 205, 206, or 208) | 1 |
| ...... | Free Elective* | 3 |
| | | 17 |

**Specific Program Notes**
*General Education Course List – see page 1.
†Recommended Social Science Electives: PSY101 General Psychology, PSY102 Abnormal Psychology, SOC101 Introduction to Sociology, SOC103 Sociology and the Family, SOC113 Social Problems.
‡Recommended Natural Science Electives: BIO103 Microbiology, BIO104 General Biology, BIO109 Anatomy and Physiology I, BIO203 General Biology II, BIO209 Anatomy and Physiology II, CHM100 Introduction to Chemistry, CHM112 College Chemistry, PHY185 Introduction to Physics.

Upon completion of the first and second semester courses, the 30 credits accepted for licensure/certificate will be granted. Students will have earned 65 credits necessary to complete the degree requirements.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Health Professions – Medical Office Assistant**
**Degree: Associate in Applied Science**
**Code: AAS.HP.MOA**

| GENERAL EDUCATION REQUIREMENTS | 20-22 |
|---|---|

**Communication** — 6
WRT101 English Composition I — 3
WRT... WRT201 English Composition II or — 3
    WRT202 Technical Writing

**Humanities\* and Social Sciences** — 6
One general education course selected from the — 3
Following fields: Arts (Art [ART], Music [MUS],
Theatre Arts [THR], Cinema Studies [CIN]),
History (HIS); Literature (LIT);Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

PSY101 General Psychology — 3

**Mathematics, Natural Sciences, & Technology** — 8
BIO109 Anatomy & Physiology I — 4
BIO209 Anatomy & Physiology II — 4

**PROGRAM REQUIREMENTS** — 33
MOA140 Medical Terminology — 3
MOA141 Intro to Medical Assisting — 3
MOA145 Med Office Assisting Overview — 3
MOA200 Pharmacology for MOA — 2
MOA201 Diagnostic & Procedural Coding — 4
MOA203 Med Asst Admin Procedures I — 3
MOA204 Med Asst Admin Procedures II — 3
MOA218 Medical Economics — 2
MOA240 Clinical Office Practice — 4
MOA241 Clinical Lab Technology — 4
MOA243 Med Office Asst Externship I — 1
MOA244 Med Office Asst Externship II — 1

**PROGRAM SUPPORT REQUIREMENTS** — 11
INF100 Keyboarding I — 3
INF119 Document Processing with MW — 3
WEX101 Dynamics of Health & Fitness — 2
WEX159 CPR & Emergency — 3

**TOTAL CREDITS** — 64-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| WRT101 | English Composition I | 3 |
| BIO109 | Anatomy & Physiology I | 4 |
| INF100 | Keyboarding I | 3 |
| MOA140 | Medical Terminology | 3 |
| MOA141 | Intro to Medical Assisting | 3 |
| | | 16 |

**Second Semester**

| | | |
|---|---|---|
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| WEX101 | Dynamics of Health & Fitness | 2 |
| BIO209 | Anatomy & Physiology II | 4 |
| INF119 | Document Processing with MW | 3 |
| MOA240 | Clinical Office Practice | 4 |
| | | 16 |

**Third Semester**

| | | |
|---|---|---|
| WEX159 | CPR & Emergency | 3 |
| MOA218 | Medical Economics | 2 |
| MOA241 | Clinical Lab Technology | 4 |
| MOA243 | Med Office Asst Externship I | 1 |
| MOA203 | Med Asst Admin Procedures I | 3 |
| ...... | Humanities Elective\* | 3 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| PSY101 | General Psychology | 3 |
| MOA200 | Pharmacology for MOAs | 2 |
| MOA145 | Med Office Assisting Overview | 3 |
| MOA201 | Diagnostic & Procedural Coding | 4 |
| MOA244 | Med Office Asst Externship II | 1 |
| MOA204 | Med Asst Admin Procedures II | 3 |
| | | 16 |

**Specific Program Notes**
\*General Education Course List – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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**Program: Health Professions – Radiography**
**Degree: Associate in Applied Science**
**Code: AAS.HP.RAD**
Program Length: 24 months
Preadmission Test: Radiography Admissions Exam
GPA for admissions eligibility: 2.50
High School prerequisite courses: 1 year science [College Placement Biology and Lab]; 1 year Algebra [Algebra II].
College substitutions: BIO109; MAT035
Application Deadline: February 1
Program Admits: Fall semester
Note: High school Biology is waived if college Biology, preferably BIO109, is successfully completed.

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## GENERAL EDUCATION REQUIREMENTS    20-22

| Communication | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or WRT202 Technical Writing | 3 |

**Humanities and Social Sciences\***    6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| Mathematics, Natural Sciences, & Technology | 8 |
|---|---|
| BIO109 Anatomy & Physiology I | 4 |
| BIO209 Anatomy & Physiology II | 4 |

| PROGRAM REQUIREMENTS | 44 |
|---|---|
| RAD180 Introduction to Radiography | 3 |
| RAD181 Radiography I | 5 |
| RAD182 Radiography Clinical I | 1 |
| RAD281 Radiography II | 4 |
| RAD282 Radiography Clinical II | 2 |
| RAD285 Radiography III | 4 |
| RAD286 Radiography Clinical III | 2 |
| RAD288 Radiography IV | 4 |
| RAD289 Radiography Clinical IV | 3 |
| RAD183 Radiographic Pathology | 2 |
| RAD184 Advanced Imaging Equipment & Patient Care Practices | 2 |
| RAD275 Therapeutic & Imaging Modalities | 1 |
| RAD276 Principles of Imaging Equipment | 3 |
| RAD283 Intermediate Radiography Clinical | 3 |
| RAD280 Principles of Image Production | 3 |
| RAD290 Senior Student Seminar | 3 |

| PROGRAM SUPPORT REQUIREMENTS | 6 |
|---|---|
| MAT150 Statistics I | 3 |

| TOTAL CREDITS | 68 |
|---|---|

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| BIO109 | Anatomy & Physiology I | 4 |
|---|---|---|
| RAD180 | Introduction to Radiography | 3 |
| RAD181 | Radiography I | 5 |
| RAD182 | Radiography Clinical I | 1 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Second Semester**

| BIO209 | Anatomy & Physiology II | 4 |
|---|---|---|
| RAD276 | Principles of Imaging Equipment | 3 |
| RAD281 | Radiography II | 4 |
| RAD282 | Radiography Clinical II | 2 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| | | 16 |

**Summer Semester**

| RAD283 | Intermediate Radiography Clinical | 3 |
|---|---|---|
| RAD280 | Principles of Image Production | 3 |
| | | 6 |

**Third Semester**

| RAD183 | Radiographic Pathology | 2 |
|---|---|---|
| RAD184 | Advanced Imaging Equipment & Patient Care Practices | 2 |
| RAD285 | Radiography III | 4 |
| RAD286 | Radiography Clinical III | 2 |
| MAT150 | Statistics I | 3 |
| | | 13 |

**Fourth Semester**

| RAD275 | Therapeutic & Imaging Modalities | 1 |
|---|---|---|
| RAD288 | Radiography IV | 4 |
| RAD289 | Radiography Clinical IV | 3 |
| ...... | Humanities Elective\* | 3 |
| ...... | Social Science Elective\* | 3 |
| | | 14 |

**Summer Semester**

| RAD290 | Senior Student Seminar | 3 |
|---|---|---|
| | | 3 |

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**Specific Program Notes**
\*General Education Course List – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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**Program: Health Professions – Respiratory Care**
**Degree: Associate in Applied Science**
**Code: AAS.HP.RESP**
Program Length: 24 months; GPA for admissions eligibility: 2.00; High School prerequisite courses: Chemistry with lab; Biology with lab; Algebra; College substitutions: BIO109; CHM100; MAT035
Application Deadline: February 1; Program Admits: Fall semester
Pre-admission Test: Respiratory Care Admissions Examination – beginning with Fall 2013 applications
Note: High school Biology is waived if college Biology, preferably BIO109, is successfully completed.

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| GENERAL EDUCATION REQUIREMENTS | 20 |
|---|---|

| **Communication** | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

**Humanities and Social Sciences***     6
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN); Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| **Mathematics, Natural Sciences, & Technology** | 8 |
|---|---|
| BIO109 Anatomy & Physiology I | 4 |
| BIO209 Anatomy & Physiology II | 4 |

| **PROGRAM REQUIREMENTS** | 45 |
|---|---|
| BIO104 Microbiology | 4 |
| CHM112 College Biochemistry | 4 |
| RSP110 Respiratory Care Pharmacology | 2 |
| RSP119 Introduction to Respiratory Care | 4 |
| RSP210 Cardiopulmonary Diseases and Disorders | 3 |
| RSP220 Fundamentals of Respiratory Critical Care | 3 |
| RSP222 Cardiopulmonary Anatomy and Physiology | 2 |
| RSP240 Diagnostic Monitoring & Patient Assessment | 4 |
| RSP241 Neonatal and Pediatric Respiratory Care | 3 |
| RSP250 Respiratory Critical Care | 4 |
| RSP260 Special Topics in Respiratory Care | 3 |

| **Clinical Externship Courses** | |
|---|---|
| RSP121 Respiratory Care Clinical Externship I | 1 |
| RSP125 Respiratory Care Clinical Externship II | 2 |
| RSP226 Respiratory Care Clinical Externship III | 2 |
| RSP231 Respiratory Care Clinical Externship IV | 2 |
| RSP235 Respiratory Care Clinical Externship V | 2 |

| **TOTAL CREDITS** | 65 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| BIO109 | Anatomy & Physiology I | 4 |
|---|---|---|
| RSP110 | Respiratory Care Pharmacology | 2 |
| RSP119 | Introduction to Respiratory Care | 4 |
| RSP121 | Respiratory Care Clinical Externship I (16 hrs/wk x 7 wks = 112 hrs) | 1 |
| WRT101 | English Composition I | 3 |
| | | 14 |

**Second Semester**

| BIO209 | Anatomy & Physiology II | 4 |
|---|---|---|
| CHM112 | College Chemistry | 4 |
| RSP210 | Cardiopulmonary Diseases and Disorders | 3 |
| RSP220 | Fundamentals of Respiratory Critical Care | 3 |
| RSP222 | Cardiopulmonary Anatomy and Physiology | 2 |
| RSP225 | Respiratory Care Clinical Externship II (16 hrs/wk = 240 hrs) | 2 |
| | | 18 |

**Summer Session**

| RSP226 | Respiratory Care Clinical Externship III (40 hrs/wk = 240 hrs – Based on 6 weeks) | 2 |
|---|---|---|
| | | 2 |

**Third Semester**

| BIO104 | Microbiology | 4 |
|---|---|---|
| RSP231 | Respiratory Care Clinical Externship IV (16 hrs/wk = 240 hrs) | 2 |
| RSP240 | Diagnostic Monitoring and Patient Assessment | 4 |
| RSP250 | Respiratory Critical Care | 4 |
| WRT201... | English Composition II | 3 |
| | | 17 |

**Fourth Semester**

| RSP235 | Respiratory Care Clinical Externship V (16 hrs/wk = 240 hrs) | 2 |
|---|---|---|
| RSP241 | Neonatal and Pediatric Respiratory Care | 3 |
| RSP260 | Special Topics in Respiratory Care | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| | | 14 |

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**Specific Program Notes**
*General Education Course List – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

Successful completion of program and exit examinations are required for graduation.

**Program: Health Professions – Veterinary Technology**
**Degree: Associate in Applied Science**
**Code: AAS.HP.VET**
Program Length: 24 months
Preadmission Test: Veterinary Technology Admissions Exam
GPA for admissions eligibility: 2.00
Prerequisites: BIO115; VET102; VET103; CHM112; WRT101
Application Deadline: November 1; Program Admits: Spring semester
Note: Applicants will only be accepted once the prerequisites stated above have been successfully completed. Applicants are strongly encouraged to meet with a program official regarding application procedures. Travel is required for all students enrolled in this program.

| GENERAL EDUCATION REQUIREMENTS | 20-22 |
|---|---|
| **Communication** | **6** |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |
| | |
| **Humanities and Social Sciences*** | **6** |

Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN); Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| | |
|---|---|
| **Mathematics, Natural Science, & Technology** | **8** |
| BIO104 Microbiology | 4 |
| CHM112 College Chemistry | 4 |
| | |
| **PROGRAM REQUIREMENTS** | **38** |
| VET102 Introduction to Veterinary Technology | 1 |
| VET103 Veterinary Medical Terminology | 1 |
| VET104 Research Animal Technology | 3 |
| VET110 Nutrition and Principles of Feeding | 2 |
| VET112 Veterinary Pharmacology | 3 |
| VET203 Veterinary Nursing I | 3 |
| VET204 Veterinary Dental Techniques | 3 |
| VET205 Clinical Laboratory Procedures I | 3 |
| VET207 Diagnostic Imaging | 3 |
| VET214 Veterinary Nursing II | 3 |
| VET216 Veterinary Office Management | 2 |
| VET217 Clinical laboratory Procedures II | 3 |
| VET219 Surgical Assistance and Anesthesia | 3 |
| VET218 Farm Animal Nursing | 3 |
| VET220 Veterinary Technology Externship I | 1 |
| VET221 Veterinary Technology Externship II | 1 |
| | |
| **PROGRAM SUPPORT REQUIREMENTS** | **8** |
| BIO115 Vertebrate Anatomy and Physiology I | 4 |
| BIO215 Vertebrate Anatomy and Physiology II | 4 |
| | |
| **TOTAL CREDITS** | **66** |

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| VET102 | Intro to Veterinary Technology | 1 |
|---|---|---|
| VET103 | Veterinary Medical Terminology | 1 |
| BIO115 | Vertebrate Anatomy & Physiology I | 4 |
| CHM112 | College Chemistry | 4 |
| WRT101 | English Composition I | 3 |
| | | 13 |

**Second Semester**

| VET104 | Research Animal Technology | 3 |
|---|---|---|
| VET110 | Nutrition & Principles of Feeding | 2 |
| VET112 | Veterinary Pharmacology | 3 |
| BIO215 | Vertebrate Anatomy & Physiology II | 4 |
| WRT201 | English Composition II | 3 |
| | | 15 |

**Summer Session**

| BIO104 | Microbiology | 4 |
|---|---|---|
| VET220 | Veterinary Tech Externship I† | 1 |
| ...... | Humanities Elective* | 3 |
| | | 8 |

**Third Semester**

| VET203 | Veterinary Nursing I | 3 |
|---|---|---|
| VET2XX | Veterinary Dental Techniques | 3 |
| VET205 | Clinical Laboratory Procedures I | 3 |
| VET207 | Diagnostic Imaging | 3 |
| | | 12 |

**Fourth Semester**

| VET214 | Veterinary Nursing II | 3 |
|---|---|---|
| VET217 | Clinical Laboratory Procedures II | 3 |
| VET216 | Veterinary Office Management | 2 |
| VET219 | Surgical Assistance & Anesthesia | 3 |
| ...... | Social Science Elective* | 3 |
| | | 14 |

**Summer Session**

| VET218 | Farm Animal Nursing†† | 3 |
|---|---|---|
| VET221 | Veterinary Tech Externship II† | 1 |
| | | 4 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.
†Student enrollment in VET 220 and VET 221 requires permission from the Academic Department Chair.
††VET218 is taught off-campus.

NOTE: BIO115, CHM112, WRT101, VET102, and VET103 are prerequisite courses that each student must take in order to be eligible for program admission.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Nursing, Day Session**
**Degree: Associate in Applied Science**
**Code: AAS.NURS.DAY**
Program Length: 2 academic years
Preadmission Test: Nursing Program Admissions Exam
GPA for admissions eligibility: 2.50
High School prerequisite courses: Chemistry and Biology with lab; Algebra College substitutions: CHM100; BIO109; MAT035 or MAT031/032
Application Deadline: February 1 for fall admission. Program Admits: Fall semester.

The day nursing program accepts students for fall only.
The total number of credits required for the AAS degree is 69: 33 nursing credits and 36 general credits.
Exit Examination: A nationally standardized examination will be given. Only those students who achieve a passing score and have met all other degree requirements will be certified by the Director to take the NCLEX-RN.

| **GENERAL EDUCATION REQUIREMENTS** | **20** |
| --- | --- |

| **Communication** | **6** |
| --- | --- |
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| **Humanities\* and Social Sciences** | **6** |
| --- | --- |
| One general education course selected from the | 3 |

Following fields: Arts (Art [ART], Music [MUS],
Theatre Arts [THR], Cinema Studies [CIN]);
History (HIS); Literature (LIT);Philosophy and
Religion (PHR); World Languages and Cultures (LAN).

| PSY101 General Psychology | 3 |
| --- | --- |

| **Mathematics, Natural Sciences, & Technology** | **8** |
| --- | --- |
| BIO109 Anatomy & Physiology I | 4 |
| BIO209 Anatomy & Physiology II | 4 |

| **PROGRAM REQUIREMENTS** | **37** |
| --- | --- |
| BIO104 Microbiology | 4 |
| NUR181 Physical Assessment | 1 |
| NUR182 Pharmacology for Nurses | 1 |
| NUR183 Basic Concepts & Skills of Nursing | 6 |
| NUR281 Adult Health Nursing A | 4 |
| NUR282 Adult Health Nursing B | 4 |
| NUR290 Adult Health Nursing C | 4 |
| NUR291 Adult Health Nursing D | 4 |
| NUR284 Maternal-Child Health Nursing | 5 |
| NUR285 Mental Health Nursing | 4 |

| **PROGRAM SUPPORT REQUIREMENTS** | **12** |
| --- | --- |
| ...... Humanities Elective (need not be Gen Ed course) | 3 |
| PSY106 Developmental Psychology | 3 |
| SOC101 Sociology | 3 |

| **TOTAL CREDITS** | **66** |
| --- | --- |

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
| --- | --- | --- |
| BIO109 | Anatomy & Physiology I | 4 |
| NUR181 | Physical Assessment | 1 |
| NUR182 | Pharmacology for Nurses | 1 |
| NUR183 | Basic Concepts & Skills of Nursing | 6 |
| PSY101 | General Psychology | 3 |
| WRT101 | English Composition I | 3 |
| | | 18 |

**Second Semester**

| | | |
| --- | --- | --- |
| BIO209 | Anatomy & Physiology II | 4 |
| NUR281 | Adult Health Nursing A | 4 |
| NUR282 | Adult Health Nursing B | 4 |
| PSY106 | Developmental Psychology | 3 |
| WRT201 | English Composition II | 3 |
| | | 18 |

**Third Semester**

| | | |
| --- | --- | --- |
| BIO104 | Microbiology | 4 |
| NUR284 | Maternal-Child Health Nursing | 5 |
| NUR285 | Mental Health Nursing | 4 |
| SOC101 | Sociology | 3 |
| | | 16 |

**Fourth Semester**

| | | |
| --- | --- | --- |
| NUR290 | Adult Health Nursing C | 4 |
| NUR291 | Adult Health Nursing D | 4 |
| ...... | Humanities Elective\* | 3 |
| ...... | Humanities Elective (need not be General Ed course) | 3 |
| | | 14 |

**Specific Program Notes**
\*General Education Course List – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Nursing, Evening Session**
**Degree: Associate in Applied Science**
**Code: AAS.NURS.EVE**
Program Length: 2 academic years; Preadmission Test: Nursing Program Admissions Exam
GPA for admissions eligibility: 2.50; High School prerequisite courses: Chemistry and Biology with lab; and Algebra; College substitutions: CHM100; BIO109; MAT035 or MAT031/032; College prerequisite courses: BIO109 and BIO209; WRT101 and WRT201; PSY101 and PSY106; SOC101.
Application Deadline: October 1 for spring admission. Program Admits: Spring semester.
Exit Examination: A nationally standardized examination will be given. Only those students who achieve a passing score and have met all other degree requirements will be certified by the Director of Nursing to take the NCLEX-RN.

| GENERAL EDUCATION REQUIREMENTS | 20 |
|---|---|

| **Communication** | **6** |
|---|---|
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| **Humanities\* and Social Sciences** | **6** |
|---|---|
| One general education course selected from the | 3 |
| Following fields: Arts (Art [ART], Music [MUS], | |
| Theatre Arts [THR], Cinema Studies [CIN]); | |
| History (HIS); Literature (LIT);Philosophy and | |
| Religion (PHR); World Languages and Cultures (LAN). | |
| | |
| PSY101 General Psychology | 3 |

| **Mathematics, Natural Sciences, & Technology** | **8** |
|---|---|
| BIO109 Anatomy & Physiology I | 4 |
| BIO209 Anatomy & Physiology II | 4 |

| **PROGRAM REQUIREMENTS** | **37** |
|---|---|
| BIO104 Microbiology | 4 |
| NUR181 Physical Assessment | 1 |
| NUR182 Pharmacology for Nurses | 1 |
| NUR183 Basic Concepts & Skills of Nursing | 6 |
| NUR281 Adult Health Nursing A | 4 |
| NUR282 Adult Health Nursing B | 4 |
| NUR290 Adult Health Nursing C | 4 |
| NUR291 Adult Health Nursing D | 4 |
| NUR284 Maternal-Child Health Nursing | 5 |
| NUR285 Mental Health Nursing | 4 |

| **PROGRAM SUPPORT REQUIREMENTS** | **9** |
|---|---|
| ...... Humanities Electives (need not be Gen Ed course) | 3 |
| PSY106 Developmental Psychology | 3 |
| SOC101 Sociology | 3 |

| **TOTAL CREDITS** | **66** |
|---|---|

**Specific Program Notes**
\*General Education Course List – see page 1.
†Evening nursing applicants cannot be accepted until general co-requisites (8 courses) have been completed. The Evening nursing program accepts students for spring only.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| BIO109 | Anatomy & Physiology I† | 4 |
|---|---|---|
| PSY101 | General Psychology† | 3 |
| WRT101 | English Composition I† | 3 |
| | | 10 |

**Second Semester**

| BIO209 | Anatomy & Physiology II† | 4 |
|---|---|---|
| PSY106 | Developmental Psychology† | 3 |
| WRT201 | English Composition II† | 3 |
| | | 10 |

**Summer Session**

| SOC101 | Sociology† | 3 |
|---|---|---|
| | | 3 |

**Third Semester**

| NUR181 | Physical Assessment | 1 |
|---|---|---|
| NUR182 | Pharmacology for Nurses | 1 |
| NUR183 | Basic Concepts & Skills of Nursing | 6 |
| | | 8 |

**Fourth Semester**

| NUR281 | Adult Health Nursing A | 4 |
|---|---|---|
| NUR282 | Adult Health Nursing B | 4 |
| | | 8 |

**Fifth Semester / Summer**

| BIO104 | Microbiology | 4 |
|---|---|---|
| | | 4 |

**Sixth Semester**

| NUR284 | Maternal-Child Health Nursing | 5 |
|---|---|---|
| NUR285 | Mental Health Nursing | 4 |
| | | 9 |

**Seventh Semester**

| ...... | Humanities Elective\* | 3 |
|---|---|---|
| ...... | Humanities Elective (need not be General Ed course) | 3 |
| | | 6 |

**Seventh Semester**

| NUR290 | Adult Health Nursing C | 4 |
|---|---|---|
| NUR291 | Adult Health Nursing D | 4 |
| | | 8 |

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**Program: Health Professions and Career Technologies – Interdisciplinary Program in Medical Informatics**
**Degree: Associate in Applied Science**
**Code: AAS.MED.INFO**

## GENERAL EDUCATION REQUIREMENTS    20-22

### Communication    6
| | |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or | 3 |
|     WRT202 Technical Writing | |

### Humanities and Social Sciences***    6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

### Mathematics, Natural Science, & Technology    8
BIO109 Anatomy & Physiology I    4
BIO209 Anatomy & Physiology II    4

### PROGRAM REQUIREMENTS    37
INF... Programming Language Fundamentals Elective*    3
INF... Advanced Programming Language Elective**    3
INF101 Introduction to Information Technology    3
INF217 Database for Applications    3
INF218 Database Programming    3
INF219 Database Administration    3
INF239 Applications Development    3
MOA140 Medical Terminology    3
MOA141 Intro to Medical Assisting    3
MOA200 Pharmacology for Medical Office Assistants    2
MOA201 Diagnostic & Procedural Coding    3
MOA218 Medical Economics    2
BUS101 Introduction to Business    3

### PROGRAM SUPPORT REQUIREMENTS    8-9
MAT... Mathematics Elective***    3-4
WEX101 Dynamics of Health & Fitness    2
...... Humanities Elective***    3

### TOTAL CREDITS    65-66

## RECOMMENDED SEMESTER SEQUENCE

### First Semester
| | | |
|---|---|---|
| BIO109 | Anatomy & Physiology I | 4 |
| INF101 | Intro to Information Technology | 3 |
| INF... | Programming Language Fundamentals Elective* | 3 |
| MOA140 | Medical Terminology | 3 |
| WRT101 | English Composition I | 3 |
| | | 16 |

### Second Semester
| | | |
|---|---|---|
| BIO209 | Anatomy & Physiology II | 4 |
| INF... | Advanced Programming Language Elective** | 3 |
| MOA201 | Diagnostic & Procedural Coding | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| ...... | Humanities Elective*** | 3 |
| | | 16 |

### Third Semester
| | | |
|---|---|---|
| INF217 | Database for Applications [Oracle] | 3 |
| MOA141 | Intro to Medical Assisting | 3 |
| MOA218 | Medical Economics | 2 |
| MAT... | Mathematics Elective*** | 3-4 |
| ...... | Humanities Elective*** | 3 |
| WEX101 | Dynamics of Health & Fitness | 2 |
| | | 16-17 |

### Fourth Semester
| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| INF218 | Database Programming | 3 |
| INF219 | Database Administration | 3 |
| INF239 | Applications Development | 3 |
| MOA200 | Pharmacology for MOAs | 2 |
| ...... | Social Science Elective*** | 3 |
| | | 17 |

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**Specific Program Notes**
*Programming Language Fundamentals Elective – INF145, INF152, or INF153.
**Advanced Programming Language Elective – INF224, INF246, or INF268.
***General Education Elective(s) – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic
Skills Placement Test.

**Program: Career Technologies – Drafting and Design Technology**
**Degree: Associate in Applied Science**
**Code: AAS.IDT.DRFT**

| GENERAL EDUCATION REQUIREMENTS | 20 |
|---|---|

**Communication** — **6**
WRT101 English Composition I — 3
WRT202 Technical Writing — 3

**Humanities and Social Sciences\*** — **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology** — **8**
PHY185 Introduction to Physics — 4
CHM102 Chemistry in Context — 4

**PROGRAM REQUIREMENTS** — **40-41**
DFT107 Drafting I — 2
DFT210 Computer Aided Drafting I — 3
DFT207 Drafting II — 3
DFT208 Engineering Graphics I — 3
DFT209 Civil Engineering Methods — 3
DFT215 Building Systems — 3
DFT262 Architectural Drafting — 3
DFT263 Architectural Design — 3
DFT265 Architectural Practice & Planning — 3
DFT266 Materials & Methods of Construction — 3

| DFT270 Building Information Modeling | |
| or | 3 |
| DFT463 Co-Op Work Exp (Drafting) | |
| DFT282 Technical Illustration | 3 |
| or | |
| TEC180 Problem Solving Using Technology | 4 |

MFG122 Machine Tool Principles I — 3
HRT104 Landscape Plants & Materials I — 2

**FREE ELECTIVES** — **5**

**TOTAL CREDITS** — **66**

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**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| DFT107 | Drafting I | 2 |
|---|---|---|
| DFT210 | Computer Aided Drafting I | 3 |
| MFG122 | Machine Tool Principles I | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Social Science Elective* | 3 |
| ...... | Free Elective† | 2 |
| | | 16 |

**Second Semester**

| DFT207 | Drafting II | 3 |
|---|---|---|
| DFT208 | Engineering Graphics I | 3 |
| WRT202 | Technical Writing | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Free Elective† | 3 |
| | | 15 |

**Third Semester**

| DFT209 | Civil Engineering Methods | 3 |
|---|---|---|
| DFT215 | Building Systems | 3 |
| DFT262 | Architectural Drafting | 3 |
| DFT265 | Architectural Practice & Planning | 3 |
| HRT104 | Landscape Plants & Materials I | 2 |
| PHY185 | Introduction to Physics | 4 |
| | | 18 |

**Fourth Semester**

| DFT263 | Architectural Design | 3 |
|---|---|---|
| DFT266 | Materials & Methods of Construction | 3 |
| DFT282 | Technical Illustration | 3 |
| | or | |
| TEC180 | Problem Solving Using Technology | 4 |
| CHM102 | Chemistry in Context | 4 |
| DFT270 | Building Information Modeling | |
| | or | 3 |
| MFG463 | Co-Op Work Exp (Drafting) | |
| | | 16-17 |

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**Specific Program Notes**
\*General Education Elective(s) – see page 1.
†WEX101 Dynamics of Health and Fitness (2 cr.) and COM100 Speech Communication (3 cr.) are recommended.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic
Skills Placement Test.

**Program: Career Technologies – Electronics Technology**
**Degree: Associate in Applied Science**
**Code: AAS.IDT.ELECT.TECH**

## GENERAL EDUCATION REQUIREMENTS     20

**Communication**     6
WRT101 English Composition I     3
WRT202 Technical Writing     3

**Humanities and Social Sciences***     6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology**     8
CHM102 Chemistry in Context     4
PHY185 Introduction to Physics     4

## PROGRAM REQUIREMENTS     41
DFT107 Drafting I     2
ELC100 Intro to Electronics Technology     2
ELC101 DC-Circuit Analysis     4
ELC201 AC-Circuit Analysis     4
ELC203 Electronics I     4
ELC204 Electronics II     4
ELC214 Communication Systems I     4
ELC215 Communication Systems II     4
MFG122 Machine Tool Principles I     3
MFG124 Applied Metrology     3
MFG206 Concepts of Industrial Design     3
TEC180 Problem Solving Using Technology     4

## PROGRAM SUPPORT REQUIREMENTS     5
COM... COM100 Speech Communication     3
      or COM102 Public Speaking
WEX101 Dynamics of Health & Fitness     2

## TOTAL CREDITS     66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| ELC100 | Intro to Electronics Technology | 2 |
| ELC101 | DC-Circuit Analysis | 4 |
| PHY185 | Introduction to Physics | 4 |
| TEC180 | Problem Solving Using Technology | 4 |
| WRT101 | English Composition I | 3 |
| | | 17 |

**Second Semester**

| | | |
|---|---|---|
| ELC201 | AC-Circuit Analysis | 4 |
| ELC203 | Electronics I | 4 |
| CHM102 | Chemistry in Context | 4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| WEX101 | Dynamics of Health & Fitness | 2 |
| | | 17 |

**Third Semester**

| | | |
|---|---|---|
| DFT107 | Drafting I | 2 |
| ELC204 | Electronics II | 4 |
| ELC214 | Communication Systems I | 4 |
| MFG122 | Machine Tool Principles I | 3 |
| WRT202 | Technical Writing | 3 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| ELC215 | Communication Systems II | 4 |
| MFG124 | Applied Metrology | 3 |
| MFG206 | Concepts of Industrial Design | 3 |
| ...... | Humanities Elective* | 3 |
| ...... | Social Science Elective* | 3 |
| | | 16 |

**Specific Program Notes**
*General Education Elective(s) – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic
Skills Placement Test.

**Program: Career Technologies – General Engineering Technology**
**Degree: Associate in Applied Science**
**Code: AAS.IDT.ENGIN.TECH**

| GENERAL EDUCATION REQUIREMENTS | 20 |
|---|---|

**Communication** — 6
WRT101 English Composition I — 3
WRT202 Technical Writing — 3

**Humanities and Social Sciences*** — 6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology** — 8
CHM102 Chemistry in Context — 4
PHY185 Introduction to Physics — 4

**PROGRAM REQUIREMENTS** — 40
DFT107 Drafting I — 2
DFT207 Drafting II — 3
DFT209 Civil Engineering Methods — 3

| DFT210 Computer Aided Drafting I | |
| or | 3 |
| MFG119 Pro/Engineer Design I | |

ELC101 DC-Circuit Analysis — 4
ELC201 AC-Circuit Analysis — 4
ELC203 Electronics I — 4
ELC204 Electronics II — 4
MFG122 Machine Tool Principles I — 3
MFG124 Applied Metrology — 3
MFG206 Concepts of Industrial Design — 3
TEC180 Problem Solving Using Technology — 4

**PROGRAM SUPPORT REQUIREMENTS** — 5

| COM... COM100 Speech Communication | 3 |
| or COM102 Public Speaking | |
| WEX101 Dynamics of Health & Fitness | 2 |

**TOTAL CREDITS** — 65

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**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| ELC101 | DC-Circuit Analysis | 4 |
|---|---|---|
| PHY185 | Introduction to Physics | 4 |
| TEC180 | Problem Solving Using Technology | 4 |
| WRT101 | English Composition I | 3 |
| WEX101 | Dynamics of Health & Fitness | 2 |
| | | 17 |

**Second Semester**

| CHM102 | Chemistry in Context | 4 |
|---|---|---|
| DFT107 | Drafting I | 2 |
| ELC201 | AC-Circuit Analysis | 4 |
| ELC203 | Electronics I | 4 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| | | 17 |

**Third Semester**

| DFT207 | Drafting II | 3 |
|---|---|---|
| ELC204 | Electronics II | 4 |
| MFG122 | Machine Tool Principles I | 3 |
| WRT202 | Technical Writing | 3 |
| ...... | Humanities Elective* | 3 |
| | | 16 |

**Fourth Semester**

| DFT209 | Civil Engineering Methods | 3 |
|---|---|---|
| DFT210 | Computer Aided Drafting I or | 3 |
| MFG119 | Pro/Engineer Design I | |
| MFG124 | Applied Metrology | 3 |
| MFG206 | Concepts of Industrial Design | 3 |
| ...... | Social Science Elective* | 3 |
| | | 15 |

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**Specific Program Notes**
*General Education Elective(s) – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**Program: Career Technologies – Manufacturing Technology**
**Degree: Associate in Applied Science**
**Code: AAS.IDT.MFG.TECH**

| GENERAL EDUCATION REQUIREMENTS | 20 |
|---|---|

**Communication** — 6
WRT101 English Composition I — 3
WRT202 Technical Writing — 3

**Humanities and Social Sciences\*** — 6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology** — 8
PHY185 Introduction to Physics — 4
CHM102 Chemistry in Context — 4

**PROGRAM REQUIREMENTS** — 41
DFT107 Drafting I — 2
DFT210 Computer Aided Drafting I — 3
MFG119 Pro/Engineer Design I — 3
MFG122 Machine Tool Principles I — 3
MFG124 Applied Metrology — 3
MFG130 Welding Technology I — 3
MFG206 Concepts of Industrial Design — 3
MFG222 Machine Tool Principles II — 3
MFG226 Methods, Fixture Design, & Estimating — 4
MFG227 CNC Programming I — 3
MFG229 Materials Processing & Fabrication — 4

| MFG228 CNC Programming II | |
|---|---|
| or | 3 |
| MFG463 Co-Op Work Exp (Manufacturing) | |

| ELC110 Electric Power Technology | |
|---|---|
| or | 4 |
| TEC180 Problem Solving Using Technology | |

**FREE ELECTIVES** — 5

**TOTAL CREDITS** — 66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| DFT107 | Drafting I | 2 |
| MFG122 | Machine Tool Principles I | 3 |
| MFG124 | Applied Metrology | 3 |
| WRT101 | English Composition I | 3 |
| ELC110 | Electric Power Technology | |
| | or | 4 |
| TEC180 | Problem Solving Using Technology | |
| | | 15 |

**Second Semester**

| | | |
|---|---|---|
| MFG222 | Machine Tool Principles II | 3 |
| MFG229 | Materials Processing & Fabrication | 4 |
| WRT202 | Technical Writing | 3 |
| ...... | Humanities Elective\* | 3 |
| ...... | Free Elective† | 3 |
| | | 16 |

**Third Semester**

| | | |
|---|---|---|
| MFG119 | Pro/Engineer Design I | 3 |
| MFG226 | Methods, Fixture Design, & Estimating | 3 |
| MFG227 | CNC Programming I | 4 |
| MFG130 | Welding Technology I | 3 |
| PHY185 | Introduction to Physics | 4 |
| | | 17 |

**Fourth Semester**

| | | |
|---|---|---|
| DFT210 | Computer Aided Drafting I | 3 |
| MFG206 | Concepts of Industrial Design | 3 |
| CHM102 | Chemistry in Context | 4 |
| ...... | Social Science Elective\* | 3 |
| ...... | Free Elective† | 2 |
| MFG228 | CNC Programming II | |
| | or | 3 |
| MFG463 | Co-Op Work Exp (Manufacturing) | |
| | | 18 |

**Specific Program Notes**
\*General Education Elective(s) – see page 1.
†COM100 Speech Communication (3 cr.) and WEX101 Dynamics of Health and Fitness (2 cr.) are recommended.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

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**Program: Career Technologies – Science Technology, Horticulture**
**Degree: Associate in Applied Science**
**Code: AAS.ST.HORT**

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**GENERAL EDUCATION REQUIREMENTS**    **20**

**Communication**    **6**
WRT101 English Composition I    3
WRT... WRT201 English Composition II or    3
     WRT202 Technical Writing

**Humanities and Social Sciences\***    **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology**    **8**
BIO130 People-Plant Relations    4
BIO131 General Botany    4

**PROGRAM REQUIREMENTS**    **41-42**
HRT101 Fundamentals of Horticulture    3
HRT102 Plant Science    4
HRT103 Turf and Ground Management    3
HRT104 Landscape Plants & Materials I    2
HRT112 Pests and Ornamental Plants    4
HRT113 Principles of Landscaping    3
HRT120 Interior Plantscaping    3
HRT204 Landscape Graphics    2
HRT232 Plant Propagation    4
HRT233 Landscape Plants & Materials II    4
HRT236 Horticulture Marketing and Sales    3
HRT462 Co-Op Work Exp (Horticulture)    3
HRT... Restricted HRT Elective    3-4

**PROGRAM SUPPORT REQUIREMENTS**    **3**
BUS101 Introduction to Business    3

**TOTAL CREDITS**    **64-65**

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**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| HRT101 | Fundamentals of Horticulture | 3 |
| HRT102 | Plant Science | 4 |
| HRT104 | Landscape Plants & Materials I | 2 |
| BIO130 | People-Plant Relations | 4 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Second Semester**

| | | |
|---|---|---|
| HRT120 | Interior Plantscaping | 3 |
| HRT232 | Plant Propagation | 4 |
| HRT233 | Landscape Plants & Materials II | 4 |
| WRT201 | English Composition II | 3 |
| ...... | Social Science Elective\* | 3 |
| | | 17 |

**Third Semester**

| | | |
|---|---|---|
| HRT103 | Turf and Ground Management | 3 |
| HRT112 | Pests and Ornamental Plants | 4 |
| HRT204 | Landscape Graphics | 2 |
| HRT236 | Horticulture Marketing and Sales | 3 |
| BIO108 | Intro to Environmental Biology | 4 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| HRT113 | Principles of Landscaping | 3 |
| HRT462 | Co-Op Work Exp (Horticulture) | 3 |
| HRT... | Restricted HRT Elective† | 3-4 |
| ...... | Humanities Elective\* | 3 |
| | | 15-16 |

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**Specific Program Notes**
\*General Education Elective(s) – see page 1.
†Restricted HRT Elective: HRT115, HRT119, HRT235, HRT237.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic
Skills Placement Test.

**Program: Career Technologies – Science Technology, Horticulture – Landscape/Design/Build Option**
**Degree: Associate in Applied Science**
**Code: AAS.ST.LAND**

| GENERAL EDUCATION REQUIREMENTS | 20 |
|---|---|

**Communication** — 6
WRT101 English Composition I — 3
WRT... WRT201 English Composition II or — 3
  WRT202 Technical Writing

**Humanities and Social Sciences\*** — 6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology** — 8
BIO130 People-Plant Relations — 4
BIO108 Intro to Environmental Biology — 4

**PROGRAM REQUIREMENTS** — 44-45
HRT102 Plant Science — 4
HRT103 Turf and Ground Management — 3
HRT104 Landscape Plants & Materials I — 2
HRT113 Principles of Landscaping — 3
HRT114 Computer Applications for Landscape Design — 3
HRT130 Landscape Contracting — 1
HRT204 Landscape Graphics — 2
HRT213 Sustainable Design & Construction — 3
HRT214 Landscape Design/Build Capstone — 4
HRT215 Landscape Design/Build Management — 3
HRT233 Landscape Plants & Materials II — 4
HRT235 Landscape Site Analysis & Construction — 3
HRT236 Horticulture Marketing and Sales — 3
HRT462 Co-Op Work Exp (Horticulture) — 3
HRT... Restricted HRT Elective — 3-4

**TOTAL CREDITS** — 64-65

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| HRT102 | Plant Science | 4 |
|---|---|---|
| HRT104 | Landscape Plants & Materials I | 2 |
| HRT113 | Principles of Landscaping | 3 |
| BIO130 | People-Plant Relations | 4 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Second Semester**

| HRT204 | Landscape Graphics | 2 |
|---|---|---|
| HRT233 | Landscape Plants & Materials II | 4 |
| HRT235 | Landscape Site Analysis and Construction | 3 |
| WRT201 | English Composition II | 3 |
| ...... | Social Science Elective\* | 3 |
| | | 15 |

**Summer Semester**

| HRT130 | Landscape Contracting | 1 |
|---|---|---|
| HRT462 | Co-Op Work Exp (Horticulture) | 3 |
| | | 4 |

**Third Semester**

| BIO108 | Intro to Environmental Biology | 4 |
|---|---|---|
| HRT103 | Turf and Ground Management | 3 |
| HRT114 | Computer Applications for Landscape Design | 3 |
| HRT213 | Sustainable Design & Construction | 3 |
| ...... | Humanities Elective\* | 3 |
| | | 16 |

**Fourth Semester**

| HRT214 | Landscape Design/Build Capstone | 4 |
|---|---|---|
| HRT215 | Landscape Design/Build Management | 3 |
| HRT236 | Horticulture Marketing and Sales | 3 |
| HRT... | Restricted HRT Elective† | 3-4 |
| | | 13-14 |

**Specific Program Notes**
\*General Education Elective(s) – see page 1.
†Restricted HRT Elective: HRT115, HRT119, HRT235, HRT237.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**Program: Information Technology – Database Programming and Administration**
**Degree: Associate in Applied Science**
**Code: AAS.IT.DB**

| GENERAL EDUCATION REQUIREMENTS | 20-22 |
|---|---|
| **Communication** | **6** |
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or | 3 |
| WRT202 Technical Writing | |

**Humanities and Social Sciences†**     **6**
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

| **Mathematics, Natural Science, & Technology** | **7-8** |
|---|---|
| MAT... Mathematics Elective† | 3-4 |
| ...... Natural Science Elective† | 4 |

**General Education Credits**     **0-3**
If a student elects a 3-credit course in Mathematics, then the
3-credit Program Requirement, INF101 Intro to Information
Technology (see below), will count as a general education
course in this category in order to meet the requirement of
20-22 credits in general education.

| PROGRAM REQUIREMENTS | 45 |
|---|---|
| INF... Programming Language Fundamentals Elective* | 3 |
| INF... Advanced Programming Language Elective** | 3 |
| INF101 Introduction to Information Technology | 3 |
| INF114 Microsoft Office | 3 |
| INF146 Web Development | 3 |
| INF150 Business Programming Logic | 3 |
| INF160 Network Technologies and Data Communications | 3 |
| INF208 Systems Analysis & Design | 3 |
| INF217 Database for Applications | 3 |
| INF218 Database Programming | 3 |
| INF219 Database Administration | 3 |
| INF239 Applications Development | 3 |
| INF253 Technical Communications | 3 |
| ...... Restricted Elective*** | 3 |
| BUS101 Introduction to Business | 3 |

**TOTAL CREDITS**     **64-65**

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| INF101 | Intro to Information Technology | 3 |
| INF... | Programming Language Fundamentals Elective* | 3 |
| INF150 | Business Programming Logic | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities or Social Sciences Elective† | 3 |
| | | 18 |

**Second Semester**

| | | |
|---|---|---|
| INF... | Advanced Programming Language Elective** | 3 |
| INF114 | Microsoft Office | 3 |
| INF146 | Web Development | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| ...... | Humanities or Social Sciences Elective† | 3 |
| | | 15 |

**Third Semester**

| | | |
|---|---|---|
| INF160 | Networking Technologies and Data Communications | 3 |
| INF208 | Systems Analysis and Design | 3 |
| INF217 | Database for Applications | 3 |
| INF253 | Technical Communications | 3 |
| MAT... | Mathematics Elective† | 3-4 |
| | | 15-16 |

**Fourth Semester**

| | | |
|---|---|---|
| INF218 | Database Programming | 3 |
| INF219 | Database Administration | 3 |
| INF239 | Applications Development | 3 |
| ...... | Restricted Elective*** | 3 |
| ...... | Natural Science Elective† | 4 |
| | | 16 |

**Specific Program Notes**
*Programming Language Fundamentals Elective – INF145, INF152, INF153.
**Advanced Programming Language Elective – INF224, INF246, INF268.
***Restricted Elective – GAM111; INF130; INF267; INF145; INF152; INF153; ACC101; ACC110; BUS271; or WEX101 and INF228.
†General Education Elective(s) – see page 1. Recommended Mathematics elective: MAT180, MAT280, or MAT223.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**Program: Information Technology – Networking Administration**
**Degree: Associate in Applied Science**
**Code: AAS.IT.NET**

## GENERAL EDUCATION REQUIREMENTS — 20-22

**Communication** — 6
WRT101 English Composition I — 3
WRT... WRT201 English Composition II or — 3
    WRT202 Technical Writing

**Humanities and Social Sciences*** — 6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology** — 7-8
MAT... Mathematics Elective* — 3-4
...... Natural Science Elective* — 4

**General Education Credits** — 0-3
If a student elects a 3-credit course in Mathematics, then the
3-credit Program Requirement, INF101 Intro to Information
Technology (see below), will count as a general education
course in this category in order to meet the requirement of
20-22 credits in general education.

**PROGRAM REQUIREMENTS** — 45
INF101 Intro to Information Technology — 3
INF108 PC Upgrade, Maintenance and Diagnosis — 3
INF114 Microsoft Office — 3
INF160 Network Technologies and Data Communications — 3
INF232 Windows Client — 3
INF252 Windows Server — 3
INF253 Technical Communication — 3
INF254 UNIX for the Network Administrator — 3
INF256 Topics in Networking — 3
INF257 Network Troubleshooting — 3
INF265 Network Configuration I — 3
INF267 Network Security — 3
INF272 Windows Active Directory — 3
BUS101 Introduction to Business — 3
...... Restricted Elective‡ — 3

**TOTAL CREDITS** — 64-65

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| INF101 | Intro to Information Technology | 3 |
| INF108 | PC Upgrade, Maintenance and Diagnosis | 3 |
| INF160 | Networking Technologies and Data Communications | 3 |
| INF114 | Microsoft Office | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities or Social Sciences Elective* | 3 |
| | | 18 |

**Second Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| INF272 | Windows Active Directory | 3 |
| INF232 | Windows Client | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| ...... | Humanities or Social Sciences Elective* | 3 |
| | | 15 |

**Third Semester**

| | | |
|---|---|---|
| INF252 | Windows Server | 3 |
| INF253 | Technical Communications | 3 |
| INF254 | UNIX/Linux for Network Administrators | 3 |
| INF265 | Network Configuration I | 3 |
| ...... | Natural Science Elective* | 4 |
| | | 17 |

**Fourth Semester**

| | | |
|---|---|---|
| INF256 | Topics in Networking or | 3 |
| INF219 | Database Administration | |
| INF257 | Network Troubleshooting | 3 |
| INF267 | Network Security | 3 |
| ...... | Restricted Elective** | 3 |
| MAT... | Mathematics Elective* | 3-4 |
| | | 15-16 |

**Specific Program Notes**
*General Education Elective(s) – see page 1. Recommended Mathematics elective: MAT180, MAT280, or MAT223.
**Restricted Elective – INF146; INF150; INF270; INF271; INF273; BUS271; or WEX101 and INF228.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic
Skills Placement Test.

**Program: Information Technology – Web Development and Management**
**Degree: Associate in Applied Science**
**Code: AAS.IT.WEB**

| GENERAL EDUCATION REQUIREMENTS | 20-22 |
|---|---|

**Communication** — 6
WRT101 English Composition I — 3
WRT... WRT201 English Composition II or — 3
    WRT202 Technical Writing

**Humanities and Social Sciences†** — 6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology** — 7-8
MAT... Mathematics Elective† — 3-4
...... Natural Science Elective† — 4

**General Education Credits** — 0-3
If a student elects a 3-credit course in Mathematics, then the
3-credit Program Requirement, INF101 Intro to Information
Technology (see below), will count as a general education
course in this category in order to meet the requirement of
20-22 credits in general education.

**PROGRAM REQUIREMENTS** — 45
INF... Programming Language Fundamentals Elective* — 3
INF... Advanced Programming Language Elective** — 3
INF101 Introduction to Information Technology — 3
INF114 Microsoft Office — 3
INF140 Introduction to Multimedia — 3
INF146 Web Development — 3
INF150 Business Programming Logic — 3
INF160 Networking Technologies and Data Communications — 3
INF208 Systems Analysis & Design — 3
INF217 Database for Applications — 3
INF239 Applications Development — 3
INF253 Technical Communications — 3
INF263 Advanced Web Development — 3
BUS101 Introduction to Business — 3

**TOTAL CREDITS** — 64-65

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| BUS101 | Introduction to Business | 3 |
|---|---|---|
| INF101 | Intro to Information Technology | 3 |
| INF... | Programming Language Fundamentals Elective* | 3 |
| INF150 | Business Programming Logic | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities or Social Sciences Elective† | 3 |
| | | 18 |

**Second Semester**

| INF... | Advanced Programming Language Elective** | 3 |
|---|---|---|
| INF114 | Microsoft Office | 3 |
| INF140 | Introduction to Multimedia | 3 |
| INF146 | Web Development | 3 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| | | 15 |

**Third Semester**

| INF160 | Networking Technologies and Data Communications | 3 |
|---|---|---|
| INF208 | Systems Analysis & Design | 3 |
| INF217 | Database for Applications | 3 |
| INF253 | Technical Communications | 3 |
| MAT... | Mathematics Elective† | 3-4 |
| | | 15-16 |

**Fourth Semester**

| INF263 | Advanced Web Development | 3 |
|---|---|---|
| INF239 | Applications Development | 3 |
| ...... | Restricted Elective*** | 3 |
| ...... | Natural Science Elective† | 4 |
| ...... | Humanities or Social Sciences Elective† | 3 |
| | | 16 |

**Specific Program Notes**
*Programming Language Fundamentals Elective – INF145, INF152, or INF153.
**Advanced Programming Language Elective – INF224, INF246, or INF268.
***Restricted Elective – GAM111; INF130; INF145; INF152; INF153; INF163; INF230; INF267; BUS271; or WEX101 and INF161.
†General Education Elective(s) – see page 1. Recommended Mathematics elective: MAT180, MAT280, or MAT223.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic
Skills Placement Test.

**Program: Software Development – Game Programming**
**Degree: Associate in Applied Science**
**Code: AAS.SD.GAME.PGMG**

## GENERAL EDUCATION REQUIREMENTS    20-22

**Communication**    6
WRT101 English Composition I    3
WRT... WRT201 English Composition II or    3
     WRT202 Technical Writing

**Humanities and Social Sciences\***    6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology**    7-8
MAT... Mathematics Elective\*    3-4
PHY186 General Physics I    4

**General Education Credits**    0-3
If a student elects a 3-credit course in Mathematics, then the
3-credit Program Requirement, INF101 Intro to Information
Technology (see below), will count as a general education
course in this category in order to meet the requirement of
20-22 credits in general education.

## PROGRAM REQUIREMENTS    43
CIS165 Fundamentals of Programming    3
CIS265 Advanced Programming Concepts    3
CIS277 Data Structures & Algorithms    3
GAM110 Intro to Game Architecture & Design    3
GAM111 Game Programming 2D    3
GAM211 Game Development 2D    3
GAM221 Game Programming 3D    3
GAM222 Game Development 3D    3
INF101 Introduction to Information Technology    3
INF140 Introduction to Multimedia    3
INF130 Testing & Quality Assurance    3
INF230 Advanced Multimedia    3
INF... Restricted Elective\*\*\*    3
MAT/CIS... Restricted Elective\*\*    4

## PROGRAM SUPPORT REQUIREMENTS    3
...... Writing/Humanities Restricted Elective\*\*\*\*

## TOTAL CREDITS    65-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| CIS165 | Fundamentals of Programming | 3 |
| GAM110 | Intro to Game Architecture & Design | 3 |
| GAM111 | Game Programming 2D | 3 |
| INF101 | Introduction to Information Technology | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities or Social Sciences Elective\* | 3 |
| | | 18 |

**Second Semester**

| | | |
|---|---|---|
| CIS265 | Advanced Programming Concepts | 3 |
| GAM211 | Game Development 2D | 3 |
| INF140 | Introduction to Multimedia | 3 |
| MAT... | Mathematics Elective\* | 3-4 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| | | 15-16 |

**Third Semester**

| | | |
|---|---|---|
| CIS277 | Data Structures & Algorithms | 3 |
| GAM221 | Game Programming 3D | 3 |
| INF130 | Testing & Quality Assurance | 3 |
| INF230 | Advanced Multimedia | 3 |
| MAT/CIS... | Restricted Elective\*\* | 4 |
| | | 16 |

**Fourth Semester**

| | | |
|---|---|---|
| GAM222 | Game Development 3D | 3 |
| INF... | Restricted Elective\*\*\* | 3 |
| PHY186 | General Physics I | 4 |
| ...... | Writing/Humanities Restricted Elective\*\*\*\* | 3 |
| ...... | Humanities or Social Sciences Elective\* | 3 |
| | | 16 |

**Specific Program Notes**
\*General Education Elective(s) – see page 1. Recommended Mathematics elective: MAT180, MAT280, or MAT223. Recommended Humanities electives: MUS101, MUS110, or ART110. Recommended Social Science electives: Psychology (PSY) courses.
\*\*MAT/CIS Restricted Elective – MAT286 or CIS288.
\*\*\*INF Restricted Elective – INF217 or INF146.
\*\*\*\*Writing/Humanities Restricted Elective – WRT204, MUS150, MUS151, ART122, or ART126.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**Program: Software Development – Game Testing**
**Degree: Associate in Applied Science**
**Code: AAS.SD.GAME.TEST**

| GENERAL EDUCATION REQUIREMENTS | 20-22 |
|---|---|

**Communication** — 6
WRT101 English Composition I — 3
WRT... WRT201 English Composition II or — 3
    WRT202 Technical Writing

**Humanities and Social Sciences**\*\* — 6
Two general education courses selected from the following
fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema
Studies [CIN]); History (HIS); Literature (LIT); Philosophy
and Religion (PHR); World Languages and Cultures (LAN);
Economics (ECO); Geography (GEO); Political Science (POL);
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology** — 7-8
MAT... Mathematics Elective\*\* — 3-4
PHY186 General Physics I — 4

**General Education Credits** — 0-3
If a student elects a 3-credit course in Mathematics, then the
3-credit Program Requirement, INF101 Intro to Information
Technology (see below), will count as a general education
course in this category in order to meet the requirement of
20-22 credits in general education.

**PROGRAM REQUIREMENTS** — 42
GAM110 Intro to Game Architecture & Design — 3
GAM111 Game Programming 2D — 3
GAM211 Game Development 2D — 3
GAM221 Game Programming 3D — 3
GAM222 Game Development 3D — 3
INF101 Introduction to Information Technology — 3
INF130 Testing & Quality Assurance — 3
INF140 Introduction to Multimedia — 3
INF217 Database for Applications — 3
INF230 Advanced Multimedia — 3
INF253 Technical Communications — 3
INF... Restricted Elective\*\*\*\* — 3
...... Introductory Programming Elective\* — 3
...... Advanced Programming Elective\*\*\* — 3

**PROGRAM SUPPORT REQUIREMENTS** — 3
...... Writing/Humanities Restricted Elective\*\*\*\*\*

**TOTAL CREDITS** — 64-65

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| GAM110 | Intro to Game Architecture & Design | 3 |
| GAM111 | Game Programming 2D | 3 |
| INF101 | Introduction to Information Technology | 3 |
| ...... | Introductory Programming Elective* | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Humanities or Social Sciences Elective** | 3 |
| | | 18 |

**Second Semester**

| | | |
|---|---|---|
| GAM211 | Game Development 2D | 3 |
| INF140 | Introduction to Multimedia | 3 |
| ...... | Advanced Programming Elective*** | 3 |
| MAT... | Mathematics Elective** | 3-4 |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| | | 15-16 |

**Third Semester**

| | | |
|---|---|---|
| GAM221 | Game Programming 3D | 3 |
| INF221 | Testing & Quality Assurance | 3 |
| INF230 | Advanced Multimedia | 3 |
| INF217 | Database for Applications | 3 |
| INF253 | Technical Communications | 3 |
| | | 15 |

**Fourth Semester**

| | | |
|---|---|---|
| GAM222 | Game Development 3D | 3 |
| INF... | Restricted Elective**** | 3 |
| PHY186 | General Physics I | 4 |
| ...... | Writing/Humanities Restricted Elective***** | 3 |
| ...... | Humanities or Social Sciences Elective** | 3 |
| | | 16 |

**Specific Program Notes**
\*Introductory Programming Elective – CIS165, INF145, or INF253.
\*\*General Education Elective(s) – see page 1. Recommended Mathematics elective: MAT180, MAT280, or MAT223.
Recommended Humanities electives: MUS101, MUS110, or ART101. Recommended Social Science electives: Psychology (PSY)
courses.
\*\*\*Advanced Programming Elective – CIS265, INF246, or INF268.
\*\*\*\*INF Restricted Elective – INF160, INF239, or INF146.
\*\*\*\*\*Writing/Humanities Restricted Elective – WRT204, MUS150, MUS151, ART122, or ART126.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic
Skills Placement Test.

**Program: Music – Recording Technology**
**Degree: Associate in Applied Science**
**Code: AAS.MUSC.REC.TECH**

## GENERAL EDUCATION REQUIREMENTS — 20-22

**Communication** — 6
| | |
|---|---|
| WRT101 English Composition I | 3 |
| WRT... WRT201 English Composition II or WRT202 Technical Writing | 3 |

**Humanities and Social Sciences\*** — 6
Two general education courses selected from the following fields, with no more than one course in any one field:
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN); Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

**Mathematics, Natural Science, & Technology** — 7-8
| | |
|---|---|
| PHY185 Introduction to Physics | 4 |
| ...... Math/Computer Science/Natural Science/Technology Elective\* | 3-4 |

**Additional General Education Elective\*0-3**
If needed to reach the Foundation minimum of 20-22 credits, take one course from the BCC general education course list. If an additional course is not needed for that purpose, then the student must take a 3-credit free elective.

**PROGRAM REQUIREMENTS** — 42-43
| | |
|---|---|
| MUS101 Music Appreciation | 3 |
| MUS103 Fundamentals of Music | 3 |
| MUS119 Songwriting Workshop | 2 |
| MUS131 Class Piano I | 2 |
| MUS150 Intro to MIDI Sequencing & Synthesis | 3 |
| MUS151 Intro to Digital Audio Recording | 3 |
| MUS163 Careers in Music | 3 |
| MUS231 Class Piano II | 2 |
| MUS251 Studio Recording Techniques | 3 |
| MUS261 Advanced Studio Recording | 3 |
| MUS262 Concert Promotion & Production | 3 |
| MUS463/4 Co-Op Work Exp (Music) | 3-4 |
| MUS... Music Electives\*\* or COM... Mass Communication Electives\*\*\* | 9 |

**FREE ELECTIVE** — 0-3

**TOTAL CREDITS** — 64-66

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**
| | | |
|---|---|---|
| MUS101 | Music Appreciation | 3 |
| MUS103 | Fundamentals of Music | 3 |
| MUS119 | Songwriting Workshop | 2 |
| MUS131 | Class Piano I | 2 |
| MUS151 | Introduction to Audio Recording | 3 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Second Semester**
| | | |
|---|---|---|
| MUS150 | Intro to MIDI Sequencing & Synthesis | 3 |
| MUS163 | Careers in Music | 3 |
| MUS231 | Class Piano II | 2 |
| MUS251 | Studio Recording Techniques | 3 |
| MUS... | Music Elective\*\* or | 3 |
| COM... | Mass Communication Elective\*\*\* | |
| WRT... | WRT201 English Composition II or WRT202 Technical Writing | 3 |
| | | 17 |

**Third Semester**
| | | |
|---|---|---|
| MUS261 | Advanced Studio Recording | 3 |
| PHY185 | Introduction to Physics | 4 |
| MUS... | Music Elective\*\* or | 3 |
| COM... | Mass Communication Elective\*\*\* | |
| ...... | Humanities Elective\* | 3 |
| ...... | Social Science Elective\* | 3 |
| | | 16 |

**Fourth Semester**
| | | |
|---|---|---|
| MUS262 | Concert Promotion & Production | 3 |
| MUS463/4 | Co-Op Work Exp (Music) | 3-4 |
| MUS... | Music Elective\*\* or | 3 |
| COM... | Mass Communication Elective\*\*\* | |
| ...... | Math/Computer Science/Natural Science/Technology Elective\* | 3-4 |
| ...... | General Education Elective\* or Free Elective | 3 |
| | | 15-17 |

**Specific Program Notes**
\*General Education Elective(s) – see page 1.
\*\*Music Electives: any Music [MUS] courses.
\*\*\*Mass Communication electives: COM105, COM106, COM111, CO140, COM205, COM207.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

**One-Year [30-36 credit] Academic Certificates**

| Curriculum Requirements | | |
|---|---|---|
| **Area of Study** | **Credits** | **Course Description** |
| Communication | 3 | WRT101 English Composition I (3 cr.) |
| Unassigned General Education Credits | 3 | To be assigned in accordance with the needs of the program. |
| Total GE Credits | 6 | |
| Other Requirements | 24-30 | Restricted Program Requirements, Program Support Requirements, Free Electives. To be assigned in accordance with the needs of the program. |
| | | |
| Total Credits | 30-36 | |

**Program: Certificate in Computer Aided Drafting**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.CAD**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |

| **Restricted Program Requirements** | **30** |
|---|---|
| DFT107 Drafting I | 2 |
| DFT207 Drafting II | 3 |
| DFT208 Engineering Graphics I | 3 |
| DFT210 Computer Aided Drafting I | 3 |
| DFT211 Computer Aided Drafting II | 5 |
| DFT212 Computer Aided Drafting III | 3 |
| DFT282 Technical Illustration | |
| or | 3-4 |
| EC180 Problem Solving using Technology | |
| MFG122 Machine Tools Prionmciples I | 3 |

| **TOTAL CREDITS** | **31-32** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| DFT107 | Drafting I | 2 |
|---|---|---|
| DFT210 | Computer Aided Drafting I | 3 |
| MFG122 | Machine Tool Prionmciples I | 4 |
| WRT101 | English Composition I | 3 |
| | | 11 |

**Second Semester**

| DFT207 | Drafting II | 3 |
|---|---|---|
| DFT211 | Computer Aided Drafting II | 5 |
| DFT208 | Engineering Graphics I | 3 |
| | | 11 |

**Third Semester**

| DFT212 | Computer Aided Drafting III | 3 |
|---|---|---|
| DFT282 | Technical Illustration | |
| | or | 3-4 |
| TEC180 | Problem Solving using Technology | |
| ...... | General Education Elective* | 3 |
| | | 9-10 |

**Specific Program Notes**
*General Education Course List – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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**Program: Certificate in Computer Animation**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.COMP.ANIM**
This certification program is designed for practicing professionals in this field.

The **Computer Animation** and the **Computer Graphics** certificates are designed for practicing professionals in these fields or for students who have already completed substantial college level work. Entry-level commercial art students should consider one of the Associate of Applied Science art programs. Students may choose only those courses for which prerequisites have been met.

Returning professionals may request that prerequisites be waived by submitting a portfolio for review by a member of the Art faculty. To request a portfolio review, please contact the Department of Visual Arts at 201-447-7143. To avoid registration problems, please contact the department prior to registering for classes for which you have not taken the required prerequisites.

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective** | 3 |

| Restricted Program Requirements | 24 |
|---|---|
| ART192 Computer 3D Animation I* | 3 |
| ART293 Computer 3D Animation II* | 3 |
| ART290 Computer 2D Animation I* | 3 |
| ART291 Computer 2D Animation II* | 3 |
| ART197 Computer Imaging*** | 3 |
| ART... Restricted Electives | 9 |

    ART181 Photography I
    ART184 Digital Photography***
    ART226 Letterform and Type***
    ART259 Computer Graphics for the Web Developer*
    ART271 Portfolio Presentation (Computer Animation)*
    ART281 Photography II
    ART298 Interactive Multimedia*

**Program Support Requirement:** General Education Elective**  3

**TOTAL CREDITS**  33

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| ART192 | Computer 3D Animation I* | 3 |
| ART290 | Computer 2D Animation I* | 3 |
| ART... | Restricted Elective | 3 |
| WRT101 | English Composition I | 3 |
| ...... | General Education Elective** | 3 |
| | | 15 |

**Second Semester**

| | | |
|---|---|---|
| ART197 | Computer Imaging*** | 3 |
| ART291 | Computer 2D Animation II* | 3 |
| ART293 | Computer 3D Animation II* | 3 |
| ART... | Restricted Electives | 6 |
| ...... | General Education Elective** | 3 |
| | | 18 |

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**Specific Program Notes**
*Course uses custom workstations running Windows XP.
**General Education Course List – see page 1.
***Course uses Macintosh computers.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Computer Graphics**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.COMP.GRAPH**
This certification program is designed for practicing professionals in this field.

The **Computer Animation** and the **Computer Graphics** certificates are designed for practicing professionals in these fields or for students who have already completed substantial college level work. Entry-level commercial art students should consider one of the Associate of Applied Science art programs. Students may choose only those courses for which prerequisites have been met.

Returning professionals may request that prerequisites be waived by submitting a portfolio for review by a member of the art faculty. To request a portfolio review, please contact the Department of Visual Arts at 201-447-7143. To avoid registration problems, please contact the department prior to registering for classes for which you have not taken the required prerequisites.

**GENERAL EDUCATION REQUIREMENTS**    **6**

| | |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective*** | 3 |

**Restricted Program Requirements**    **27**

| | |
|---|---|
| ART189 Computer 2D Illustration* | 3 |
| ART197 Computer Imaging** | 3 |
| ART287 Computer Layout I* | 3 |
| ART288 Computer Layout II* | 3 |
| ART... Restricted Electives | 12 |

    ART181 Photography I
    ART184 Digital Photography**
    ART192 Computer 3D Animation I*
    ART226 Letterform and Type**
    ART259 Computer Graphics for the Web Developer*
    ART260 Graphic Design I*
    ART261 Graphic Design II**
    ART271 Portfolio Presentation (Graphic Design)**
    ART281 Photography II
    ART298 Interactive Multimedia**

**TOTAL CREDITS**    **30**

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| ART189 | Computer 2D Illustration* | 3 |
| ART287 | Computer Layout I* | 3 |
| ART... | Restricted Electives | 6 |
| WRT101 | English Composition I | 3 |
| | | 15 |

**Second Semester**

| | | |
|---|---|---|
| ART197 | Computer Imaging** | 3 |
| ART288 | Computer Layout II* | 3 |
| ART... | Restricted Electives | 6 |
| ...... | General Education Elective*** | 3 |
| | | 15 |

**Specific Program Notes**
*Course uses custom workstations running Windows XP.
**Course uses Macintosh computers.
***General Education Course List – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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**Program: Certificate in Computer Science**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.COMP.SCI**

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| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective** | 3 |

| **Restricted Program Requirements** | **21** |
|---|---|
| CIS165 Fundamentals of Programming* | 3 |
| CIS265 Advanced Programming Concepts | 3 |
| CIS271 Computer Organization and Assembly Language | 3 |
| CIS277 Data Structures and Algorithms | 3 |
| MAT/CIS... Mathematics/Computer Science Electives*** | 9 |

| **Program Support Requirement:** General Education Elective** | 3 |
|---|---|

| **TOTAL CREDITS** | **30** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| CIS165 | Fundamentals of Programming* | 3 |
|---|---|---|
| WRT101 | English Composition I | 3 |
| ...... | General Education Elective** | 3 |
| | | 9 |

**Second Semester**

| CIS265 | Advanced Programming Concepts | 3 |
|---|---|---|
| CIS271 | Computer Organization and Assembly Language | 3 |
| ...... | General Education Elective** | 3 |
| | | 9 |

**Third Semester**

| CIS277 | Data Structures and Algorithms | 3 |
|---|---|---|
| MAT/CIS... | Mathematics/Computer Science Electives*** | 9 |
| | | 12 |

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**Specific Program Notes**

*By permission of the Department Head, properly prepared students may instead register for CIS265 and/or CIS271. Such students will be required to complete an additional 3- or 4-credit elective to be selected from: MAT250, CIS266, CIS278, MAT280, MAT281, MAT282, MAT286, CIS287, CIS288, CIS289.

**General Education Course List – see page 1.

***The elective requirement in Mathematics and/or Computer Science must total at least 9 credits to be selected from the following courses: MAT250, CIS266, CIS278, MAT280, MAT281, MAT282, MAT286, CIS287, CIS288, CIS289.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Computer Technical Support**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.COMP.SUPPORT**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective** | 3 |

| **Restricted Program Requirements** | **27** |
|---|---|
| INF101 Intro to Information Technology | 3 |
| INF108 PC Upgrade, Maintenance and Diagnosis | 3 |
| INF114 Microsoft Office | 3 |
| INF160 Networking Technologies and Data Communications | 3 |
| INF163 Internet Concepts & Applications | 3 |
| INF253 Technical Communications | 3 |
| INF267 Network Security | 3 |
| INF... Operating System Restricted Elective* | 3 |
| BUS101 Introduction to Business | 3 |

| TOTAL CREDITS | 33 |
|---|---|

### RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| INF101 | Intro to Information Technology | 3 |
|---|---|---|
| INF108 | PC Upgrade, Maintenance and Diagnosis | 3 |
| INF114 | Microsoft Office | 3 |
| INF160 | Networking Technologies and Data Communications | 3 |
| INF163 | Internet Concepts & Applications | 3 |
| WRT101 | English Composition I | 3 |
| | | 18 |

**Second Semester**

| BUS101 | Introduction to Business | 3 |
|---|---|---|
| INF253 | Technical Communications | 3 |
| INF267 | Network Security | 3 |
| INF... | Operating System Restricted Elective* | 3 |
| ...... | General Education Elective** | 3 |
| | | 15 |

**Specific Program Notes**
*Operating System Restricted Elective:
 INF232 Windows Client
 INF235 Advanced PC Upgrade, Maintenance, and Diagnosis
 INF254 Unix for the Network Administrator
**General Education Course List – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Culinary Arts**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.CULN.ARTS**
The Culinary Arts Certificate Program is designed to aid those working food service professionals who wish to increase their job value or refresh their culinary preparation and leadership skills. Typically, students do not complete the certificate program in two semesters. In those instances where a student MUST complete the curriculum in one year or two successive semesters, the student MUST obtain written permission from the Dean to waive or otherwise adjust prerequisites where indicated.

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |

| Restricted Program Requirements | 27 |
|---|---|
| HRM102 Food Protection and Safety | 3 |
| HRM103 Professional Food Preparation Techniques | 3 |
| HRM106 Menu Planning and Nutrition | 1 |
| HRM108 Computer Applications/Hospitality Industry** | 1 |
| HRM110 Introduction to Baking | 3 |
| HRM202 Quantity Food Productions & Service*** | 3 |
| HRM206 Commercial Restaurant Operation** | 3 |
| HRM212 International Cuisine** | 3 |
| HRM213 Classical Garde-Manger*** | 3 |
| HRM220 Advanced Baking Techniques** | 3 |

| | |
|---|---|
| **Program Support Requirement:** General Education Elective* | 3 |

| **TOTAL CREDITS** | 35 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| ...... | General Education Elective* | 3 |
| HRM102 | Food Protection and Safety | 3 |
| HRM103 | Professional Food Preparation Techniques | 3 |
| HRM106 | Menu Planning and Nutrition | 1 |
| HRM108 | Computer Applications/Hospitality Industry** | 1 |
| HRM110 | Introduction to Baking | 3 |
| WRT101 | English Composition I | 3 |
| | | 17 |

**Second Semester**

| | | |
|---|---|---|
| ...... | General Education Elective* | 3 |
| HRM202 | Quantity Food Productions & Service*** | 3 |
| HRM206 | Commercial Restaurant Operation** | 3 |
| HRM212 | International Cuisine** | 3 |
| HRM213 | Classical Garde-Manger*** | 3 |
| HRM220 | Advanced Baking Techniques** | 3 |
| | | 18 |

**Specific Program Notes**
*General Education Course List – see page 1.
**Class offered only during spring semester.
***Class offered only during fall semester.

Students enrolled in this program **ARE <u>NOT</u> REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Culinary Science**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.CULN.SCI**
The Culinary Science Certificate Program is designed to provide those students with the first step to gain the knowledge to work in the food processing industry, universities or the Federal Government to create and improve food products; to develop new or better ways of preserving, processing, packaging, storing and delivering foods; or to engage in basic research, discovering new food sources, analyzing food content, or developing ways to process, preserve, package, or store food according to industry and government regulations.

| GENERAL EDUCATION REQUIREMENTS | 7 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Course: BIO104 Microbiology | 4 |

| Restricted Program Requirements | 28 |
|---|---|
| CHM102 Chemistry in Context | 4 |
| CHM112 College Chemistry | 4 |
| CHM212 Organic and Biochemistry | 4 |
| HRM102 Food Protection and Safety | 3 |
| HRM103 Professional Food Preparation Techniques | 3 |
| HRM106 Menu Planning and Nutrition | 1 |
| HRM110 Introduction to Baking | 3 |
| HRM212 International Cuisine* | 3 |
| HRM213 Classical Garde-Manger** | 3 |

| TOTAL CREDITS | 35 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| Code | Course | Credits |
|---|---|---|
| BIO104 | Microbiology | 4 |
| CHM102 | Chemistry in Context | 4 |
| CHM112 | College Chemistry | 4 |
| HRM103 | Professional Food Preparation Techniques | 3 |
| WRT101 | English Composition I | 3 |
| | | 18 |

**Second Semester**

| Code | Course | Credits |
|---|---|---|
| CHM212 | Organic and Biochemistry | 4 |
| HRM102 | Food Protection and Safety | 3 |
| HRM106 | Menu Planning and Nutrition | 1 |
| HRM110 | Introduction to Baking | 3 |
| HRM212 | International Cuisine* | 3 |
| HRM213 | Classical Garde-Manger** | 3 |
| | | 17 |

**Specific Program Notes**
*Class offered only during spring semester.
**Class offered only during fall semester.

Students enrolled in this program **ARE <u>NOT</u> REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Database Programming and Administration**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.DB**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective**** | 3 |

| Restricted Program Requirements | 29 |
|---|---|
| INF101 Intro to Information Technology | 3 |
| INF114 Microsoft Office* | 3 |
| INF144 Windows Desktop Operations | |
| or | 1 |
| INF165 Introduction to Linux | |
| INF160 Networking Technologies and Data Communications | 3 |
| INF217 Database for Applications [Oracle] | 3 |
| INF218 Database Programming | 3 |
| INF219 Database Administration | 3 |
| INF228 Excel for Problem Solving | 1 |
| INF267 Network Security | 3 |
| INF... Programming Language Electives: Fundamentals** | 3 |
| INF... Programming Language Electives: Advanced*** | 3 |

**TOTAL CREDITS** 35

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| INF114 | Microsoft Office* | 3 |
|---|---|---|
| | | 3 |

**Second Semester**

| INF101 | Intro to Information Technology | 3 |
|---|---|---|
| INF144 | Windows Desktop Operations | |
| | or | 1 |
| INF165 | Introduction to Linux | |
| INF160 | Networking Technologies and Data Communications | 3 |
| INF217 | Database for Applications [Oracle] | 3 |
| INF... | Programming Language Electives: Fundamentals** | 3 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Third Semester**

| INF218 | Database Programming | 3 |
|---|---|---|
| INF219 | Database Administration | 3 |
| INF228 | Excel for Problem Solving | 1 |
| INF267 | Network Security | 3 |
| INF... | Programming Language Electives: Advanced*** | 3 |
| ...... | General Education Elective**** | 3 |
| | | 16 |

**Specific Program Notes**
*Credit –by-exam tests are available.
**Programming Language Electives: Fundamentals (Part 1 of continuing sequence)
    INF145 Visual Basic Programming
    INF152 C/C++ Programming
    INF153 Java Programming
***Programming Language Electives: Advanced (Part 2 of continuing sequence)
    INF224 Advanced C/C++ Programming
    INF246 Advanced Visual Basic Programming
    INF268 Advanced Java Programming
****General Education Course List – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in e-Commerce: Business Emphasis**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.e-COMM.BUS**

| GENERAL EDUCATION REQUIREMENTS | 6 |
| --- | --- |
| WRT101 English Composition I | 3 |
| General Education Course: ECO101 Macroeconomics | 3 |

| Restricted Program Requirements | 30 |
| --- | --- |
| BUS101 Introduction to Business | |
| or | 3 |
| BUS170 Small Business Management | |
| BUS103 Business Mathematics | 3 |
| BUS105 Business Communications | 3 |
| BUS107 e-Tailing | 3 |
| ACC101 Accounting I | |
| or | 3 |
| BUS205 Entrepreneurship | |
| BUS210 e-Marketing | 3 |
| BUS211 Internet Law | 3 |
| BUS271 e-Commerce | 3 |
| INF146 Web Development | 3 |
| INF163 Internet Concepts & Applications | 3 |

| TOTAL CREDITS | 36 |
| --- | --- |

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| BUS101 | Introduction to Business | |
| --- | --- | --- |
| | or | 3 |
| BUS170 | Small Business Management | |
| BUS103 | Business Mathematics | 3 |
| BUS105 | Business Communications | 3 |
| BUS107 | e-Tailing | 3 |
| INF146 | Web Development | 3 |
| WRT101 | English Composition I | 3 |
| | | 18 |

**Second Semester**

| ACC101 | Accounting I | |
| --- | --- | --- |
| | or | 3 |
| BUS205 | Entrepreneurship | |
| BUS210 | e-Marketing | 3 |
| BUS211 | Internet Law | 3 |
| BUS271 | e-Commerce | 3 |
| ECO101 | Macroeconomics | 3 |
| INF163 | Internet Concepts & Applications | 3 |
| | | 18 |

**Specific Program Notes**

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Event Planning and Management**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.EVENT.PLAN.MGT**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |

| Restricted Program Requirements | 30 |
|---|---|
| ACC120 Computerized Accounting | 3 |
| BUS101 Introduction to Business | 3 |
| BUS103 Business Mathematics | 3 |
| BUS105 Business Communications | 3 |
| BUS170 Small Business Management | 3 |
| HRM101 Introduction to Hospitality Management | 3 |
| HRM129/BUS129 Event Planning & Management I | 3 |
| HRM201 Food and Beverage Cost Control | 1 |
| HRM203 Beverage Management | 2 |
| HRM219/LGL219 Hospitality Law | 3 |
| HRM229/BUS229 Event Planning & Management II | 3 |

| TOTAL CREDITS | 36 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| BUS103 | Business Mathematics | 3 |
| BUS105 | Business Communications | 3 |
| HRM101 | Introduction to Hospitality Management | 3 |
| HRM/BUS129 Event Planning & Management I | | 3 |
| WRT101 | English Composition I | 3 |
| | | 18 |

**Second Semester**

| | | |
|---|---|---|
| ACC120 | Computerized Accounting | 3 |
| BUS170 | Small Business Management | 3 |
| HRN201 | Food and Beverage Cost Control | 1 |
| HRM203 | Beverage Management | 2 |
| HRM/LGL219 Hospitality Law | | 3 |
| HRM/BUS229 Event Planning & Management II | | 3 |
| ...... | General Education Elective* | 3 |
| | | 18 |

**Specific Program Notes**
*General Education Course List – see page 1.

Students enrolled in this program **ARE <u>NOT</u> REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Exercise Science**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.EXER.SCI**

| GENERAL EDUCATION REQUIREMENTS | 7 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Course: BOIO103 The Human Body | 4 |

| **Restricted Program Requirements** | **21** |
|---|---|
| BUS101 Introduction to Business | 3 |
| PSY101 General Psychology | 3 |
| WEX159 CPR and Emergency First Aid | 3 |
| WEX164 Exercise Science | 3 |
| WEX106 Nutrition for Exercise and Fitness | 3 |
| WEX182 Fitness Measurement | 3 |
| WEX184 Sports Medicine I – Theory & Practice | 3 |

| **TOTAL CREDITS** | **31** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| BIO103 | The Human Body | 4 |
| BUS101 | Introduction to Business | 3 |
| WEX159 | CPR and Emergency First Aid | 3 |
| WEX164 | Exercise Science | 3 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Second Semester**

| | | |
|---|---|---|
| PSY101 | General Psychology | 3 |
| WEX106 | Nutrition for Exercise and Fitness | 3 |
| WEX182 | Fitness Measurement | 3 |
| WEX183 | Programs &Principles of Conditioning | 3 |
| WEX184 | Sports Medicine I – Theory & Practice | 3 |
| | | 15 |

**Specific Program Notes**

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Floral Design**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.FLORAL**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |
| | |
| **Restricted Program Requirements** | **26** |
| ...... Business Elective** | 3 |
| HRT102 Plant Science | 4 |
| HRT115 Floral Design | 3 |
| HRT119 Greenhouse Operation and Production | 3 |
| HRT120 Interior Plantscaping | 3 |
| HRT232 Plant Propagation | 4 |
| HRT234 Commercial Floral Design & Management | 4 |
| HRT462 Co-op Work Experience (Horticulture) | 2 |
| | |
| **Program Support Requirement:** General Education Elective* | 3 |
| | |
| **TOTAL CREDITS** | **35** |

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| HRT102 | Plant Science | 4 |
|---|---|---|
| HRT115 | Floral Design | 3 |
| HRT232 | Plant Propagation | 4 |
| WRT101 | English Composition I | 3 |
| ...... | General Education Elective* | 3 |
| | | 17 |

**Second Semester**

| HRT119 | Greenhouse Operation and Production | 3 |
|---|---|---|
| HRT120 | Interior Plantscaping | 3 |
| HRT234 | Commercial Floral Design & Management | 4 |
| HRT462 | Co-op Work Experience (Horticulture) | 2 |
| ...... | Business Elective** | 3 |
| ...... | General Education Elective* | 3 |
| | | 18 |

**Specific Program Notes**
*General Education Course List – see page 1.
**Three credits from any course(s) in ACC, BUS, or INF.

Students enrolled in this program **ARE <u>NOT</u> REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Grounds Management**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.GRND.MGT**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |

| **Restricted Program Requirements** | **26-28** |
|---|---|
| HRT102 Plant Science | 4 |
| HRT103 Turf and Grounds Management | 3 |
| HRT104 Landscape Plants and Materials I | 2 |
| HRT112 Pests of Ornamental Plants | 4 |
| HRT124 Irrigation Technology | 2 |
| HRT125 Equipment Management | 2 |
| HRT130 Landscaping Contracting | 1 |
| HRT235 Landscape Site Analysis & Construction | 3 |
| HRT237 Arboriculture/Plant Health Care | 3 |
| ...... Restricted Elective* | 2-4 |

| **TOTAL CREDITS** | **32-34** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| HRT102 | Plant Science | 4 |
| HRT103 | Turf and Grounds Management | 3 |
| HRT104 | Landscape Plants and Materials I | 2 |
| HRT112 | Pests of Ornamental Plants | 4 |
| HRT130 | Landscaping Contracting | 1 |
| WRT101 | English Composition I | 3 |
| | | 17 |

**Second Semester**

| | | |
|---|---|---|
| HRT124 | Irrigation Technology | 2 |
| HRT125 | Equipment Management | 2 |
| HRT235 | Landscape Site Analysis & Construction | 3 |
| HRT237 | Arboriculture/Plant Health Care | 3 |
| ...... | Restricted Elective* | 2-4 |
| ...... | General Education Elective** | 3 |
| | | 15-17 |

**Specific Program Notes**
*Restricted Electives: HRT113, HRT232, HRT233
**General Education Course List – see page 1.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Hospitality Management**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.HOSP.MGMT**
The Hospitality Management Certificate Program is designed to aid those working professionals who wish to increase their job value or refresh their leadership skills. Typically, students do not complete the certificate program in two semesters. In those instances where a student MUST complete the curriculum in one year or two successive semesters, the student MUST obtain written permission from the Dean to waive or otherwise adjust prerequisites where indicated.

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |
| | |
| **Restricted Program Requirements** | **27** |
| HRM101 Introduction to Hospitality Management | 3 |
| HRM102 Food Protection and Safety | 3 |
| HRM103 Professional Food Preparation Techniques | 3 |
| HRM104 Front Office Procedures** | 2 |
| HRM108 Computer Applications/Hospitality Industry*** | 1 |
| HRM201 Food and Beverage Cost Control | 1 |
| HRM203 Beverage Management | 2 |
| HRM204 Food Purchasing | 2 |
| HRM205 Restaurant Service Management | 3 |
| HRM207 Hotel Sales & Convention Planning | 1 |
| HRM214 Banquet & Catering Management | 2 |
| HRM217 Issues in the Hospitality Industry | 2 |
| HRM462 Co-op Work Experience (H/R/H) | 2 |
| | |
| **Program Support Requirement:** General Education Elective* | **3** |
| | |
| **TOTAL CREDITS** | **36** |

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| ....... | General Education Elective* | 3 |
| HRM101 | Introduction to Hospitality Management | 3 |
| HRM102 | Food Protection and Safety | 3 |
| HRM103 | Professional Food Preparation Techniques | 3 |
| HRM104 | Front Office Procedures** | 2 |
| HRM108 | Computer Applications/ Hospitality Industry*** | 1 |
| WRT101 | English Composition I | 3 |
| | | 18 |

**Second Semester**

| | | |
|---|---|---|
| ....... | General Education Elective* | 3 |
| HRM201 | Food and Beverage Cost Control | 1 |
| HRM203 | Beverage Management | 2 |
| HRM204 | Food Purchasing | 2 |
| HRM205 | Restaurant Service Management | 3 |
| HRM207 | Hotel Sales & Convention Planning | 1 |
| HRM214 | Banquet & Catering Management | 2 |
| HRM217 | Issues in the Hospitality Industry | 2 |
| HRM462 | Co-op Work Experience (H/R/H) | 2 |
| | | 18 |

**Specific Program Notes**
*General Education Course List – see page 1.
**Class offered only during fall semester.
***Class offered only during spring semester.

Students enrolled in this program **ARE NOT** **REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Labor Studies**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.LABOR**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| Restricted Program Requirements | 26 |
|---|---|
| BUS101 Introduction to Business | |
| or | 3 |
| BUS115 Introduction to Nonprofit Organizations | |
| BUS208 Human Resources Management | 3 |
| ECO105 Labor Economimcs | 3 |
| HIS140  History of the Labor Movement | 3 |
| LGL236 Employment Law* | 2 |
| POL116 Labor Law | 3 |
| POL122 Collective Bargaining | 3 |
| ...... Restricted Humanities Elective** | 3 |
| ...... Restricted Social Science Elective*** | 3 |

| TOTAL CREDITS | 32 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| BUS101 | Introduction to Business | |
|---|---|---|
| | or | 3 |
| BUS115 | Introduction to Nonprofit Organizations | |
| ECO105 | Labor Economimcs | 3 |
| LGL236 | Employment Law* | 2 |
| POL116 | Labor Law | 3 |
| POL122 | Collective Bargaining | 3 |
| WRT101 | English Composition I | 3 |
| | | 17 |

**Second Semester**

| BUS208 | Human Resources Management | 3 |
|---|---|---|
| HIS140 | History of the Labor Movement | 3 |
| ...... | Restricted Humanities Elective** | 3 |
| ...... | Restricted Social Science Elective*** | 3 |
| WRT201 | English Composition II | 3 |
| | | 15 |

**Specific Program Notes**
*Prerequisite of LGL101 Fundamentals of Law to LGL236 Employment Law may be waived by special permission from the Academic Department Chair of Legal and Related Studies [especially for students pursuing the One-Year Certificate in Labor Studies].
**Choose one 3-credit humanities course from the following: PHR100; PHR105; PHR111; LIT202 [Prerequisite: WRT101]; LIT220 [Prerequisite: WRT101]; HIS111; HIS112; HIS113; HIS114.
***Choose one 3-credit social science course from the following: ECO101; ECO201 [Prerequisite: ECO101]; POL104; PSY109; SOC102; SOC120; SOC121; SOC222 [Prerequisite: SOC101].

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Landscaping**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.LAND**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |

| Restricted Program Requirements | 29-30 |
|---|---|
| BUS101 Introduction to Business | 3 |
| DFT107 Draafting I | 2 |
| HRT103 Turf and Ground Management | 3 |
| HRT113 Principles of Landscaping | 3 |
| HRT103 Turf and Ground Management | 3 |
| HRT204 Landscape Graphics | 2 |
| HRT233 Landscape Plants & Materials II | 4 |
| HRT235 Landscape Site Analysis and Construction | 3 |
| HRT... Restricted HRT Elective† | 3-4 |
| INF101 Intro to Information Technology | 3 |

| TOTAL CREDITS | 35-36 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| DFT107 | Draafting I | 2 |
| HRT103 | Turf and Ground Management | 3 |
| HRT130 | Landscape Contracting | 1 |
| HRT... | Restricted HRT Elective† | 3-4 |
| WRT101 | English Composition I | 3 |
| | | 17-18 |

**Second Semester**

| | | |
|---|---|---|
| HRT113 | Principles of Landscaping | 3 |
| HRT204 | Landscape Graphics | 2 |
| HRT233 | Landscape Plants & Materials II | 4 |
| HRT235 | Landscape Site Analysis and Construction | 3 |
| INF101 | Intro to Information Technology | 3 |
| ...... | General Education Elective* | 3 |
| | | 18 |

**Specific Program Notes**
*General Education Course List – see page 1.
**Restricted HRT Elective: HRT101, HRT102, HRT112, HRT120, HRT236.

Students enrolled in this program **ARE <u>NOT</u> REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Legal Nurse Consultant**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.LGN.CONS**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| WRT201 English Composition II | 3 |

| **Restricted Program Requirements** | **24** |
|---|---|
| LGL101 Fundamentals of Law | 3 |
| LGL103 Legal Research and Writing | 3 |
| LGL203 Paralegalism and Legal Procedure | 3 |
| LGL220 Computer Assisted Legal Research | 3 |
| LGL202 New Jersey and Federal Courts* | 3 |
| LGL234 Personal Injury and Product Liability* | 3 |
| LGN105 Principles of Legal Nurse Consulting* | 3 |
| LGN201 Health Law* | 3 |

| **TOTAL CREDITS** | **30** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| LGL101 | Fundamentals of Law | 3 |
|---|---|---|
| LGL103 | Legal Research and Writing | 3 |
| LGN105 | Principles of Legal Nurse Consulting* | 3 |
| WRT101 | English Composition I | 3 |
| | | 12 |

**Second Semester**

| LGL203 | Paralegalism and Legal Procedure | 3 |
|---|---|---|
| LGL220 | Computer Assisted Legal Research | 3 |
| LGN201 | Health Law* | 3 |
| WRT201 | English Composition II | 3 |
| | | 12 |

**Third Semester**

| LGL202 | New Jersey and Federal Courts* | 3 |
|---|---|---|
| LGL234 | Personal Injury and Product Liability* | 3 |
| | | 6 |

**Specific Program Notes**
*Course may be offered only in the evening and only in either the Spring or Fall semesters.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Medical Office Administrative Assistant**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.MOAA**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Course: PSY101 General Psychology | 3 |

| **Restricted Program Requirements** | **24** |
|---|---|
| MOA140 Medical Terminologyt | 3 |
| MOA141 Introductin to Medical Assisting | 3 |
| MOA201 Diagnostic and Procedural Coding | 4 |
| MOA203 Medical Assistant Administrative Procedures I | 3 |
| MOA204 Medical Assistant Administrative Procedures II | 3 |
| MOA218 Medical Economics | 2 |
| INF119  Document Processing with MS Word* | 3 |
| WEX159 CPR and Emergency First Aid | 3 |

| **TOTAL CREDITS** | **30** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| MOA140 | Medical Terminologyt | 3 |
|---|---|---|
| MOA141 | Introductin to Medical Assisting | 3 |
| MOA203 | Medical Assistant Admin Procedures I | 3 |
| MOA218 | Medical Economics | 2 |
| INF119 | Document Processing with MS Word* | 3 |
| WRT101 | English Composition I | 3 |
| | | 17 |

**Second Semester**

| MOA201 | Diagnostic and Procedural Coding | 4 |
|---|---|---|
| MOA204 | Medical Assistant Admin Procedures II | 3 |
| PSY101 | General Psychology | 3 |
| WEX159 | CPR and Emergency First Aid | 3 |
| | | 13 |

**Specific Program Notes**
*Students are expected to keyboard at 30 WPM or enroll in the INF100 Keyboarding course

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Music Business**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.MUSC.BUS**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |

| Restricted Program Requirements | 21 |
|---|---|
| BUS101 Introductin to Business | 3 |
| MUS152 Introduction to the Music Business | 3 |
| MUS163 Careers in Music | 3 |
| MUS252 Music in the Marketplace | 3 |
| MUS262 Concert Promotion and Production | 3 |
| MUS... Music Elective | 3 |

| BUS... Business Elective | |
|---|---|
| or | |
| INF... Information Technology Elective | 3 |
| or | |
| COM... Communication Elective | |

| FREE ELECTIVE | 3 |
|---|---|

| TOTAL CREDITS | 30 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| BUS101 | Introductin to Business | 3 |
|---|---|---|
| MUS152 | Introduction to the Music Business | 3 |
| MUS163 | Careers in Music | 3 |
| MUS... | Music Elective | 3 |
| WRT101 | English Composition I | 3 |
| | | 15 |

**Second Semester**

| MUS252 | Music in the Marketplace | 3 |
|---|---|---|
| MUS262 | Concert Promotion and Production | 3 |
| BUS... | Business Elective | |
| | or | |
| INF... | Information Technology Elective | 3 |
| | or | |
| COM... | Communication Elective | |
| ...... | General Education Elective* | 3 |
| ...... | Free Elective | 3 |
| | | 15 |

**Specific Program Notes**
*General Education Course List – see page 1.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Music Technology**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.MUSC.TECH**

| **GENERAL EDUCATION REQUIREMENTS** | **6** |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |

| **Restricted Program Requirements** | **22** |
|---|---|
| MUS103 Fundamentals of Music | 3 |
| MUS131 Class Piano I | 2 |
| MUS150 Intro to MIDI Sequencing & Synthesis | 3 |
| MUS151 Introduction to Digital Audio Recording | 3 |
| MUS231 Class Piano II | 2 |
| MUS250 Electronic Music Composition | 3 |
| MUS251 Studio Recording Techniques | 3 |
| MUS... Music Elective | 3 |

| **FREE ELECTIVE** | **2-3** |
|---|---|

| **TOTAL CREDITS** | **30-31** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| MUS103 | Fundamentals of Music | 3 |
| MUS131 | Class Piano I | 2 |
| MUS150 | Intro to MIDI Sequencing & Synthesis | 3 |
| MUS151 | Introduction to Digital Audio Recording | 3 |
| WRT101 | English Composition I | 3 |
| ...... | Free Elective | 2-3 |
| | | 16-17 |

**Second Semester**

| | | |
|---|---|---|
| MUS231 | Class Piano II | 2 |
| MUS250 | Electronic Music Composition | 3 |
| MUS251 | Studio Recording Techniques | 3 |
| MUS... | Music Elective | 3 |
| ...... | General Education Elective* | 3 |
| | | 14 |

**Specific Program Notes**
*General Education Course List – see page 1.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Musical Theater**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.MUSC.THR**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |

| Restricted Program Requirements | 29 |
|---|---|
| DAN102 Ballet | 1 |
| DAN104 Tap Dance | 1 |
| MUA106 Voice I | 1 |
| MUA246 Voice II | 1 |
| MUS103 Fundamentals of Music | 2 |
| MUS103 Fundamentals of Music | 2 |
| MUS109/THR109 History of Musical Theatre | 3 |
| MUS110 Music, Art, and Drama | 3 |
| MUS121 Chorus I | 1 |
| MUS103 Fundamentals of Music | 2 |
| MUS110 Music, Art, and Drama | 3 |
| MUS121 Chorus I | 1 |
| MUS131 Class Piano I | 2 |
| THR110 Basic Acting Techniques | 3 |
| THR113 Movement for the Performing Artist | 2 |
| THR114 Audition Techniques | 2 |
| ...... Restricted Elective | 3 |

| TOTAL CREDITS | 35 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| DAN102 | Ballet | 1 |
| DAN104 | Tap Dance | 1 |
| MUA106 | Voice I | 1 |
| MUS103 | Fundamentals of Music | 2 |
| MUS110 | Music, Art, and Drama | 3 |
| MUS121 | Chorus I | 1 |
| MUS131 | Class Piano I | 2 |
| THR110 | Basic Acting Techniques | 3 |
| WRT101 | English Composition I | 3 |
| | | 17 |

**Second Semester**

| | | |
|---|---|---|
| MUA246 | Voice II | 1 |
| MUS/THR109 | History of Musical Theatre | 3 |
| MUS118 | Vocal Workshop | 2 |
| MUS134 | Ear Training and Musicianship I | 2 |
| THR113 | Movement for the Performing Artist | 2 |
| THR114 | Audition Techniques | 2 |
| ...... | Restricted Elective | 3 |
| ...... | General Education Elective* | 3 |
| | | 18 |

**Specific Program Notes**
*General Education Course List – see page 1. Recommended: MUS101, MUS107, MUS108, THR101, THR140.
**Restricted Music Electives: MUS231, MUS255, MUA104, MUS120, MUS140, DAN103, DAN105, THR111, THR131, THR210.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Office Technology**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.OFF.TECH**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective** | 3 |

| Restricted Program Requirements | 28 |
|---|---|
| BUS101 Introductin to Business | 3 |
| BUS103 Business Mathematics | 3 |
| INF1001 Keyboarding I | 3 |
| INF101 Intro to Information Technology | 3 |
| INF114 Microsoft Office* | 3 |
| INF119 Document Processing with MS Word | 3 |
| INF146 Web Development<br>or<br>INF147 Web Development Using Dreamweaver | 3 |
| INF16 Internet Research and Data Handling | 1 |
| INF214 Administrative Simulation*** | 2 |
| INF228 Excel for Problem Solving | 1 |
| INF... Restricted Elective† | 3 |

| TOTAL CREDITS | 34 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| INF100 | Keyboarding I* | 3 |
|---|---|---|

**First Semester**

| BUS101 | Introductin to Business | 3 |
|---|---|---|
| INF101 | Intro to Information Technology | 3 |
| INF114 | Microsoft Office* | 3 |
| INF161 | Internet Research and Data Handling | 1 |
| ...... | General Education Elective** | 3 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Second Semester**

| BUS103 | Business Mathematics | 3 |
|---|---|---|
| INF119 | Document Processing with MS Word | 3 |
| INF146 | Web Development<br>or | 3 |
| INF147 | Web Dev Using Dreamweaver | |
| INF214 | Administrative Simulation*** | 2 |
| INF228 | Excel for Problem Solving | 1 |
| INF... | Restricted Elective† | 3 |
| | | 15 |

**Specific Program Notes**
*Credit by Exam Tests are available.
***General Education Course List – see page 1.
***Class offered only during spring semester.
†Restricted INF Electives: INF108, INF150***, INF160, INF217, INF253.

Students enrolled in this program ARE **NOT** REQUIRED to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Piano Instruction/Pedagogy**
**Certificate: One-Year [3036 credit] Academic Certificate**
**Code: CERT.PIANO**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |

| Restricted Program Requirements | 23-24 |
|---|---|
| MUA104 Piano I | 1 |
| MUA240 Piano II | 1 |
| MUS103 Fundamentals of Music | 2 |
| MUS131 Class Piano I | 2 |
| MUS231 Class Piano Ii | 2 |
| MUS132 Music Theory I | 2 |
| MUS134 Ear Training and Musicianship I | 2 |
| MUS153 Piano Pedagogy I | 3 |
| MUS253 Piano Pedagogy II | 3 |
| MUS... Performance Ensemble** | 2 |
| ...... Restricted Elective*** | 3-4 |

| Program Support Requirement: General Education Elective* | 3 |
|---|---|

| TOTAL CREDITS | 32-33 |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| MUA104 | Piano I | 1 |
|---|---|---|
| MUS103 | Fundamentals of Music | 2 |
| MUS131 | Class Piano I | 2 |
| MUS134 | Ear Training and Musicianship I | 2 |
| MUS153 | Piano Pedagogy I | 3 |
| ...... | General Education Elective* | 3 |
| WRT101 | English Composition I | 3 |
| | | 16 |

**Second Semester**

| MUA240 | Piano II | 1 |
|---|---|---|
| MUS132 | Music Theory I | 2 |
| MUS231 | Class Piano Ii | 2 |
| MUS253 | Piano Pedagogy II | 3 |
| MUS... | Performance Ensemble** | 2 |
| ...... | Restricted Elective*** | 3-4 |
| ...... | General Education Elective* | 3 |
| | | 16-17 |

**Specific Program Notes**
*General Education Course List – see page 1.
**Instrumental or vocal ensembles: MUS121, MUS125, MUS140, MUS246, MUS247, MUS248, MUS255, MUS256, MUS257, MUS258, MUS259, MUS260.
***Restricted Electives: MUA241, MUA242, MUS133, MUS134, MUS151, MUS241, MUS242.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Radiation Therapy Technology**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.RAD.THERAPY**
Program Length: 12 months.
Prerequisites for admission: (1) GPA for admissions eligibility: 2.50. (2) An applicant must be a Registered or registry eligible Radiologic Technologist. (3) Prerequisite courses: Two Biology courses with labs [BIO109 and BIO209 recommended]; MAT160 Intermediate Algebra; MAT180 Precalculus; PHY185 General Physics.
In addition above-stated requirements, candidates cannot be accepted into the program until at least two of the following four courses have been completed: MAT250, INF101, WRT201, COM100. Two of these general education courses may be taken concurrently with the program. Successful completion of all four courses is required by the American Registry of Radiologic Technologists and the NJ Department of Environmental Protection.
Application Deadline: February 1.
Program Admits: Fall semester.
Note: Students who are interested in the program should make an appointment to meet with the Department Chair regarding admissions.

### GENERAL EDUCATION REQUIREMENTS — 6

| | |
|---|---|
| WRT201 English Composition II* | 3 |
| General Education Course | 3 |

| |
|---|
| COM100 Speech Communication |
| or |
| MAT250 Statistics II** |

**Restricted Program Requirements** — 30

| | |
|---|---|
| RTT110 Introduction to Radiotherapy &Patient Care Management | 2 |
| RTT120 Radiation Therapy Practices I | 4 |
| RTT130 Radiation Biology and Safety | 3 |
| RTT150 Principles of Diagnostic Radiation Physics | 3 |
| RTT121 Radiation Therapy Clinical Practicum I | 2 |
| RTT200 Survey of Diseases | 3 |
| RTT210 Dosimetry and Treatment Practices | 3 |
| RTT220 Radiation Therapy Practices II | 4 |
| RTT230 Advanced Procedures | 2 |
| RTT221 Radiation Therapy Clinical Practicum II | 2 |
| RTT222 Radiation Therapy Clinical Practicum III | 2 |

**TOTAL CREDITS** — 36

### RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| WRT201 | English Composition II* | 3 |
| RTT 110 | Introduction to Radiotherapy and Patient Care Management | 2 |
| RTT 120 | Radiation Therapy Practices | 4 |
| RTT 130 | Radiation Biology and Safety | 3 |
| RTT 150 | Principles of Diagnostic Radiation Physics | 3 |
| RTT 121 | Radiation Therapy Clinical Practicum I | 2 |
| | | 17 |

**Second Semester**

| | | |
|---|---|---|
| COM100 | Speech Communication | |
| | or | 3 |
| MAT250 | Statistics II** | |
| RTT 200 | Survey of Diseases | 3 |
| RTT 210 | Dosimetry and Treatment Practices | 3 |
| RTT 220 | Radiation Therapy Practices II | 4 |
| RTT 230 | Advanced Procedures | 2 |
| RTT 221 | Radiation Therapy Clinical Practicum II | 2 |
| | | 17 |

**Third Semester**

| | | |
|---|---|---|
| RTT222 | Radiation Therapy Clinical Practicum III | 2 |
| | | 2 |

**Specific Program Notes**
*WRT201 has a prerequisite of WRT101 English Composition I.
**MAT250 has a prerequisite of MAT150 Statistics I.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Small Business Management**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.SM.BUS.MGMT**

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Course: ECO101 Macroeconomics | 3 |

| **Restricted Program Requirements** | **30** |
|---|---|
| ACC120 Computerized Accounting | 3 |
| BUS101 Introduction to Business | 3 |
| BUS103 Business Mathematics | 3 |
| BUS105 Business Communications | 3 |
| BUS170 Small Business Management | 3 |
| BUS201 Marketing Principles | 3 |
| BUS205 Entrepreneurship | 3 |
| BUS233 Business Law I | 3 |
| ...... Restricted Business Elective* | 3 |
| INF114 Microsoft Office | 3 |

| **TOTAL CREDITS** | **36** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| BUS101 | Introduction to Business | 3 |
|---|---|---|
| BUS103 | Business Mathematics | 3 |
| BUS105 | Business Communications | 3 |
| BUS170 | Small Business Management | 3 |
| INF114 | Microsoft Office | 3 |
| WRT101 | English Composition I | 3 |
| | | 18 |

**Second Semester**

| ACC120 | Computerized Accounting | 3 |
|---|---|---|
| BUS201 | Marketing Principles | 3 |
| BUS205 | Entrepreneurship | 3 |
| BUS233 | Business Law I | 3 |
| ...... | Restricted Business Elective* | 3 |
| ECO101 | Macroeconomics | 3 |
| | | 18 |

**Specific Program Notes**
*BUS104, BUS106, BUS110, or BUS271.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Surgical Technology**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.SURG**
Program Length: 12 months.
GPA for admissions eligibility: 2.00.
High School prerequisite courses: High school graduate or GED.
College substitutions: None.
Application Deadline: February 1 of the current year.
Program Admits: Fall semester.

## GENERAL EDUCATION REQUIREMENTS — 6

| | |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |

**Restricted Program Requirements** — 27

| | |
|---|---|
| BIO109 Anatomy & Physiology I | 4 |
| BIO209 Anatomy & Physiology II | 4 |
| SUR101 Principles of Surgical Technology I | 6 |
| SUR102 Surgical Technology Externship I [16 hrs/wk x 15 weeks] | 2 |
| SUR103 Surgical Terminology | 1 |
| SUR104 Microbiological Applications in Surgery | 2 |
| SUR201 Principles of Surgical Technology II | 5 |
| SUR202 Surgical Technology Externship II [16 hrs/wk x 15 weeks] | 2 |
| SUR203 Surgical Technology Externship III [40 hrs/wk x 4 weeks] | 1 |

**TOTAL CREDITS** — 33

## RECOMMENDED SEMESTER SEQUENCE

**First Semester**

| | | |
|---|---|---|
| BIO109 | Anatomy & Physiology I | 4 |
| SUR101 | Principles of Surgical Technology I | 6 |
| SUR102 | Surgical Technology Externship I [16 hrs/wk x 15 weeks] | 2 |
| SUR103 | Surgical Terminology | 1 |
| SUR104 | Microbiological Applications in Surgery | 2 |
| WRT101 | English Composition I | 3 |
| | | 18 |

**Second Semester**

| | | |
|---|---|---|
| BIO209 | Anatomy & Physiology II | 4 |
| SUR201 | Principles of Surgical Technology II | 5 |
| SUR202 | Surgical Technology Externship II [16 hrs/wk x 15 weeks] | 2 |
| ...... | General Education Elective* | 3 |
| | | 14 |

**Third Semester**

| | | |
|---|---|---|
| SUR203 | Surgical Technology Externship III [40 hrs/wk x 4 weeks] | 1 |
| | | 1 |

**Specific Program Notes**
*General Education Course List – see page 1.

Students enrolled in this program **ARE <u>NOT</u> REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Certificate in Vascular Technology**
**Certificate: One-Year [30-36 credit] Academic Certificate**
**Code: CERT.VAS.TECH**
Program Length: 12 months.
GPA for admissions eligibility: 2.50.
Admissions Requirement: ARDMS Registry Status; applicant must be a graduate of a CAAHEP approved sonography program.
Students with a bachelor's degree are eligible.
Application Deadline: February 1.
Program Admits: Fall semester.
Note: This regional program utilizes clinical education centers throughout the State of New Jersey. Students might be required to travel to distant sites and provide their own transportation.

| GENERAL EDUCATION REQUIREMENTS | 6 |
|---|---|
| WRT101 English Composition I | 3 |
| General Education Elective* | 3 |

| **Restricted Program Requirements** | **25** |
|---|---|
| BIO109 Anatomy & Physiology I | 4 |
| BIO209 Anatomy & Physiology II | 4 |
| DMS116 Intro to Vascular Principles & Instrumentation | 2 |
| DMS117 Introduction to Vascular Imaging | 1 |
| DMS231 Essentials in Venous Ultrasound | 2 |
| DMS232 Essentials in Arterial Ultrasound | 3 |
| DMS233 Clinical Experience I | 1 |
| DMS234 Vascular Clinical Seminar | 3 |
| MOA140 Medical Terminology | 3 |

| **Program Support Requirement:** General Education Elective* | 3 |
|---|---|

| **TOTAL CREDITS** | **32** |
|---|---|

**RECOMMENDED SEMESTER SEQUENCE**

**First Semester**

| | | |
|---|---|---|
| BIO109 | Anatomy & Physiology I | 4 |
| DMS116 | Intro to Vascular Principles & Instrumentation | 2 |
| DMS117 | Introduction to Vascular Imaging | 1 |
| MOA140 | Medical Terminology | 3 |
| WRT101 | English Composition I | 3 |
| ...... | General Education Elective* | 3 |
| | | 16 |

**Second Semester**

| | | |
|---|---|---|
| BIO209 | Anatomy & Physiology II | 4 |
| DMS231 | Essentials in Venous Ultrasound | 2 |
| DMS232 | Essentials in Arterial Ultrasound | 3 |
| DMS233 | Clinical Experience I | 1 |
| ...... | General Education Elective* | 3 |
| | | 13 |

**Summer Session**

| | | |
|---|---|---|
| DMS234 | Vascular Clinical Seminar | 3 |
| | | 3 |

**Specific Program Notes**
*General Education Course List – see page 1.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Accounting Assistant**
**Certificate of Achievement**
**Code: COA.ACCT.ASST**

**First Semester**

| | | |
|---|---|---|
| ACC101 | Accounting I | 3 |
| ACC120 | Computerized Accounting | 3 |
| ACC140 | Federal Income Tax Return Preparation | 1 |
| INF124 | Spreadsheet: Excel | 1 |
| | | 8 |

**Second Semester**

| | | |
|---|---|---|
| ACC201 | Accounting II | 3 |
| INF228 | Excel for Problem Solving | 1 |
| ACC... | Restricted Elective* | 3 |
| | | 7 |

**Third Semester**

| | | |
|---|---|---|
| ACC463 | Co-Op Work Experience (Accounting) | |
| | or | 3 |
| ACC202 | Intermediate Accounting I | |
| | | 3 |

**TOTAL CREDITS**      **18**

**Specific Program Notes**
*Restricted Electives: ACC107 Federal Taxation or ACC115 Government and Not-for-Profit Accounting.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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**Program: Baking**
**Degree: Certificate of Achievement**
**Code: COA.BAKING**

**First Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| HRM103 | Professional Food Prep Techniques | 3 |
| HRM110 | Introduction to Baking | 3 |
| | | 9 |

**Second Semester**

| | | |
|---|---|---|
| BUS205 | Entrepreneurship | 3 |
| HRM102 | Food Protection and Safety | 3 |
| HRM220 | Advanced Baking Techniques | 3 |
| | | 9 |

**TOTAL CREDITS**      **18**

**Specific Program Notes**
This program will serve as the Introduction to Baking in the various management settings available in the Hospitality Industry. Students who earn this Certificate of Achievement will be able to apply the credits earned, if they so choose, to the 36-credit Culinary Arts Certificate Program and to the proposed AAS Culinary Entrepreneurship Option or any other options available in the Hotel/Restaurant/Hospitality Department.

Since HRM103 Professional Food Preparation Techniques is a prerequisite for the 200-level HRM courses and BUS101 Introduction to Business is a prerequisite for BUS205, **students WILL NOT complete this program in one semester.**

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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**Program: Biotechnology**
**Certificate of Achievement**
**Code: COA.BIO.TECH**

**First Semester**

| | | |
|---|---|---|
| BIO101 | General Biology I | 4 |
| CHM140 | General Chemistry I | 3 |
| CHM141 | General Chemistry Laboratory I | 1 |
| | | 8 |

**Second Semester**

| | | |
|---|---|---|
| BIO210 | Introduction to Biotechnology | 4 |
| MAT150 | Statistics I | 3 |
| | | 7 |

**Third Semester**

| | | |
|---|---|---|
| BIO211 | Introduction to Bioinformatics | 3 |
| | | 3 |

**TOTAL CREDITS**      **18**

**Specific Program Notes**
Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

| Program: Business Paraprofessional Management Certificate of Achievement Code: COA.BUS.PARA.MGMT | | |
|---|---|---|
| **First Semester** | | |
| BUS101 | Introduction to Business | 3 |
| BUS207 | Principles of Management | 3 |
| COM... | COM100 Speech Communication or COM102 Public Speaking | 3 |
| INF101 | Introduction to Information Technology or | 3 |
| CIS158 | Introduction to Computer Science | |
| PSY101 | General Psychology | 3 |
| | | 15 |
| | | |
| **TOTAL CREDITS** | | **15** |

**Specific Program Notes**
*Before* entering the COA Business Paraprofessional Management program, students *must* have completed a Certificate of Competency in Educational Support Professional Services (12 credits), including:
 --Module 1: Communication
 --Module 2: Cultural Competence
 --Module 3: Child Development and Identifying Abuse and Neglect
 --Module 4: Student and Staff Safety and Health
 --56 hours of NJEA-approved ESP Career Development Training

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

| Program: Catering Certificate of Achievement Code: COA.CATER | | |
|---|---|---|
| **First Semester** | | |
| BUS101 | Introduction to Business | 3 |
| HRM102 | Food Protection and Safety | 3 |
| HRM103 | Professional Food Prep Techniques | 3 |
| | | 9 |
| | | |
| **Second Semester** | | |
| BUS205 | Entrepreneurship | 3 |
| HRM106 | Menu Planning an Nutrition | 1 |
| HRM213 | Classical Garde-Manger | 3 |
| HRM214 | Banquet & Catering Management | 2 |
| | | 9 |
| | | |
| **TOTAL CREDITS** | | **18** |

**Specific Program Notes**
This program will serve as the Introduction to Catering in the various management settings available in the Hospitality Industry. Students who oarn this Certificate of Achievement will be able to apply the credits earned, if they so choose, to the 36-credit Culinary Arts Certificate Program and to the proposed AAS Culinary Entrepreneurship Option or any other options available in the Hotel/Restaurant/Hospitality Department.

Since HRM103 Professional Food Preparation Techniques is a prerequisite for the 200-lovel HRM courses and BUS101 Introduction to Business is a prerequisite for BUS205, **students WILL NOT complete this program in one semester.**

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

| Program: CNC Programming Certificate of Achievement Code: COA.CNC.PROG | | |
|---|---|---|
| **First Semester** | | |
| MFG122 | Machine Tool Principles I | 3 |
| MFG227 | CNC Programming I | 4 |
| | | 7 |
| | | |
| **Second Semester** | | |
| MFG228 | CNC Programming II | 4 |
| DFT107 | Drafting I | 2 |
| | | 5 |
| | | |
| **TOTAL CREDITS** | | **12** |

**Specific Program Notes**
Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

| Program: Finance Certificate of Achievement Code: COA.FINANCE | | |
|---|---|---|
| **First Semester** | | |
| ACC110 | Financial Accounting | 3 |
| BNF101 | Principles of Banking* | 3 |
| BUS101 | Introduction to Business | 3 |
| | | 9 |
| | | |
| **Second Semester** | | |
| BNF201 | Principles of Finance | 3 |
| BNF202 | Asset Management** | 3 |
| ECO101 | Macroeconomics or | 3 |
| BNF102 | Personal Finance & Money Management | |
| | | 9 |
| | | |
| **TOTAL CREDITS** | | **18** |

**Specific Program Notes**
*Class offered only during fall semester.
**Class offered only during spring semester.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Fire Science**
**Certificate of Achievement**
**Code: COA.FIR.SCI**

**First Semester**

| FIR101 | Introduction to Fire Protection* | 3 |
|--------|----------------------------------|---|
| FIR102 | Fundamentals of Fire Prevention/ Fire Inspector I** | 3 |
| FIR103 | Building Codes and Standards | 3 |
| FIR104 | Fire Tactics and Strategy | 3 |
| FIR105 | Fire Administration | 3 |
| | | 15 |

**TOTAL CREDITS** 15

**Specific Program Notes**
*Students with Firefighter I certification will have this course waived and receive 3 credits. Students with Firefighter II Certification will have this course waived and receive 4 credits.
**First part of the ninety-hour course required for certification.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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**Program: Forensic Science**
**Certificate of Achievement**
**Code: COA.FORENSIC**

**First Semester**

| CHM100 | Introduction to Chemistry | 4 |
|--------|---------------------------|---|
| CRJ101 | Introduction to Criminal Justice | 3 |
| CRJ108 | Topics in Criminal Justice* | 3 |
| CRJ111 | Criminal Investigation | 3 |
| CRJ120 | Practical Criminal Evidence | 3 |
| | | 16 |

**TOTAL CREDITS** 16

**Specific Program Notes**
*Special Topics Course: Introduction to Forensics.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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**Program: Homeland Security**
**Certificate of Achievement**
**Code: COA.HOME.SEC**

**First Semester**

| CRJ108 | Topics in Criminal Justice* | 3 |
|--------|------------------------------|---|
| HSE101 | Introduction to Homeland Security | 3 |
| HSE102 | Introduction to Emergency Management | 3 |
| HSE103 | Legal Aspects of Homeland Security & Emergency Management | 3 |
| HSE104 | Disaster Management, Risk Assessment & Mitigation | 3 |
| | | 15 |

**TOTAL CREDITS** 15

**Specific Program Notes**
Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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**Program: Hospitality Operations**
**Certificate of Achievement**
**Code: COA.HOSP.OPR**

**First Semester**

| BUS101 | Introduction to Business | 3 |
|--------|--------------------------|---|
| HRM101 | Introduction to Hospitality Management | 3 |
| HRM104 | Front Office Procedures | 2 |
| HRM108 | Computer Applications for the Hospitality Industry | 1 |
| | | 9 |

**Second Semester**

| BUS205 | Entrepreneurship | 3 |
|--------|------------------|---|
| HRM203 | Beverage Management | 2 |
| HRM205 | Restaurant Service Management | 3 |
| HRM207 | Hotel Sales & Convention Planning | 1 |
| | | 9 |

**TOTAL CREDITS** 18

**Specific Program Notes**
This program will serve as the Introduction to Hospitality Operations in the various management settings available in the Hospitality Industry. Student who earn this Certificate of Achievement will be able to apply the credits, if they so choose, to the 36-credit Culinary Arts Certificate Program and To any of the degree curriculum options available in the Hotel/Restaurant/Hospitality Department.

Since HRM101 Introduction to Hospitality Management is a prerequisite for the 200-level HRM courses and BUS101 Introduction to Business is a prerequisite for BUS205, **students WILL NOT complete this program in one semester.**

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Labor Studies**
**Certificate of Achievement**
**Code: COA.LABOR**

**First Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business* | 3 |
| POL116 | Labor Law** | 3 |
| POL122 | Collective Bargaining | 3 |
| | | 9 |

**Second Semester**

| | | |
|---|---|---|
| BUS208 | Human Resources Management | 3 |
| HIS140 | History of the Labor Movement | 3 |
| LGL236 | Employment Law | 2 |
| | | 8 |

**TOTAL CREDITS** 17

**Specific Program Notes**
*BUS101 Introduction to Business or BUS115 Introduction to Nonprofit Organizations or by permission from the Academic Department Chair.
**Prerequisite of LGL101 Fundamentals of Law may be waived by special permission from the Academic Department Chair of the Legal and Related Studies Department [especially for students pursuing the Certificate of Achievement in Labor Studies.]

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Machine Tooling**
**Certificate of Achievement**
**Code: COA.MACH.TOOL**

**First Semester**

| | | |
|---|---|---|
| DFT101 | Drafting I | 2 |
| DFT210 | Computer Aided Drafting I | 3 |
| MFG122 | Machine Tool Principles I | 3 |
| | | 8 |

**Second Semester**

| | | |
|---|---|---|
| MFG119 | Pro/Engineer Design I | 3 |
| MFG222 | Machine Tool Principles II | 3 |
| | | 6 |

**TOTAL CREDITS** 14

**Specific Program Notes**
Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Manufacturing Design using Pro/Engineer®**
**Certificate of Achievement**
**Code: COA.MFG.PROENG**

**First Semester**

| | | |
|---|---|---|
| MFG119 | Pro/Engineer Design I | 3 |
| | | 3 |

**Second Semester**

| | | |
|---|---|---|
| MFG219 | Pro/Engineer Design II | 3 |
| | | 3 |

**Third Semester**

| | | |
|---|---|---|
| MFG220 | Pro/Engineer Design III | 3 |
| | | 3 |

**Fourth Semester**

| | | |
|---|---|---|
| MFG221 | Pro/Engineer Design IV | 3 |
| | | 3 |

**TOTAL CREDITS** 12

**Specific Program Notes**
Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Marketing Assistant**
**Certificate of Achievement**
**Code: COA.MKTG.ASST**

**First Semester**

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| BUS105 | Business Communications | 3 |
| PSY101 | General Psychology | 3 |
| | | 9 |

**Second Semester**

| | | |
|---|---|---|
| BUS201 | Marketing Principles | 3 |
| BUS210 | e-Marketing | 3 |
| BUS... | Restricted Elective* | 3 |
| | | 9 |

**TOTAL CREDITS** 18

**Specific Program Notes**
*Restricted Elective: BUS202 International Marketing; BUS250 Advertising; BUS463 Co-Op Work Experience [Business Administration] recommended only with a marketing Position.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Commercial Music Production**
**Certificate of Achievement**
**Code: COA.MUSC.COMM.PROD**

**First Semester**

| | | |
|---|---|---|
| MUS119 | Songwriting Workshop | 2 |
| MUS131 | Class Piano I | 2 |
| MUS151 | Introduction to Audio Recording | 3 |
| MUS152 | Introduction to the Music Business | 3 |
| | | 10 |

**Second Semester**

| | | |
|---|---|---|
| MUS150 | Introduction to MIDI Sequencing and Synthesis | 3 |
| MUS231 | Class Piano II | 2 |
| MUS251 | Studio Recording Techniques | 3 |
| | | 8 |

**TOTAL CREDITS** 18

**Specific Program Notes**
Students enrolled in this program ARE NOT REQUIRED to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Network Security**
**Certificate of Achievement**
**Code: COA.NET.SECURITY**

**First Semester**

| | | |
|---|---|---|
| INF267 | Network Security | 3 |
| INF270 | Computer Crime | 3 |
| INF271 | Ethical Hacking | 3 |
| INF272 | Windows Active Directory | 3 |
| INF273 | Intrusion Detection and Prevention | 3 |
| | | 15 |

**TOTAL CREDITS** 15

**Specific Program Notes**
*INF170 Networking Experience, 3 credits – Transfer credit awarded for extensive professional experience. INF faculty recommendation required to obtain credit.

Students enrolled in this program ARE NOT REQUIRED to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Nonprofit Management**
**Certificate of Achievement**
**Code: COA.NONPRF.MGT**

**First Semester**

| | | |
|---|---|---|
| ACC115 | Government and Not-for-Profit Accounting | 3 |
| BUS115 | Introduction to Nonprofit Organizations | 3 |
| MUS116 | Funding and Grant Management | 3 |
| | | 9 |

**Second Semester**

| | | |
|---|---|---|
| BUS201 | Marketing Principles | 3 |
| BUS207 | Principles of Management | 3 |
| LGL209 | Nonprofit Law | 3 |
| | | 9 |

**TOTAL CREDITS** 18

**Specific Program Notes**
Students enrolled in this program ARE NOT REQUIRED to successfully complete a course in basic algebra if indicated by Placement Testing.

**Program: Private Security**
**Certificate of Achievement**
**Code: COA.PRIV.SECURITY**

**First Semester**

| | | |
|---|---|---|
| CRJ101 | Introduction to Criminal Justice | 3 |
| CRJ111 | Criminal Investigation | 3 |
| CRJ112 | Crime Prevention | 3 |
| CRJ125 | Introduction to Security | 3 |
| CRJ127 | Principles of Loss Prevention | 3 |
| | | 15 |

**TOTAL CREDITS** 15

**Specific Program Notes**
Students enrolled in this program ARE NOT REQUIRED to successfully complete a course in basic algebra if indicated by Placement Testing.

| Program: Professional Cooking<br>Certificate of Achievement<br>Code: COA.PROF.COOK | | |
|---|---|---|
| **First Semester** | | |
| HRM102 | Food Protection and Safety | 3 |
| HRM103 | Professional Food Preparation Techniques | 3 |
| HRM110 | Introduction to Baking | 3 |
| | | 9 |
| **Second Semester** | | |
| HRM212 | International Quisine | 3 |
| HRM213 | Classical Garde-Manger* | 3 |
| HRM220 | Advanced Baking Techniques** | 3 |
| | | 9 |
| **TOTAL CREDITS** | | **18** |

**Specific Program Notes**
*Class offered only during fall semester.
**Class offered only during spring semester.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

| Program: Real Estate<br>Certificate of Achievement<br>Code: COA.REAL.EST | | |
|---|---|---|
| **First Semester** | | |
| BUS101 | Introduction to Business | 3 |
| REA101 | Principles of Real Estate | 3 |
| | | 6 |
| **Second Semester** | | |
| REA202 | Zoning, Planning and Land Use | 3 |
| REA203 | N.J. Environmental Regulations | 3 |
| REA204 | Real Estate Leasing* | 2 |
| REA206 | Real Estate Finance | 1 |
| | | 9 |
| **TOTAL CREDITS** | | **15** |

**Specific Program Notes**
*Holders of current N.J. Sales or Brokers License are exempt from these Courses.
**Courses in the second semester will be offered in the evening only.

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

| Program: Retailing<br>Certificate of Achievement<br>Code: COA.RETAIL | | |
|---|---|---|
| **First Semester** | | |
| BUS101 | Introduction to Business | 3 |
| BUS102 | Retailing | 3 |
| BUS105 | Business Communications | 3 |
| | | 9 |
| **Second Semester** | | |
| BUS104 | Customer Service | 3 |
| BUS106 | Effective Selling | 3 |
| BUS201 | Marketing Principles | 3 |
| | | 9 |
| **TOTAL CREDITS** | | **18** |

**Specific Program Notes**
Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

| Program: Sports Management<br>Certificate of Achievement<br>Code: COA.SPORTS.MGMT | | |
|---|---|---|
| **First Semester** | | |
| BUS101 | Introduction to Business | 3 |
| WEX101 | Dynamics of Health and Fitness | 2 |
| WEX126 | Sports Administration | 3 |
| | | 8 |
| **Second Semester** | | |
| BUS203 | Sports Marketing | 3 |
| WEX127 | Intro to Facility and Events | 3 |
| WEX473 | Co-Op Work Experience/Sports Management | 3 |
| | | 9 |
| **TOTAL CREDITS** | | **17** |

**Specific Program Notes**
Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

## Program: Special Imaging for Radiologic Technologists
## Certificate of Achievement
## Code: COA.IMAG.RAD

This program is for practicing professionals whose experience in the field has gained them the equivalent of one year of study in a two-year program. All students must be registered/licensed radiographers [RT(R)/LXT] in good standing to enroll in this program.

### First Semester

| | | |
|---|---|---|
| RAD250 | Cross-Sectional Anatomy for Specialty Imaging | 4 |
| RAD251 | Computer Tomography | 3 |
| RAD252 | Magnetic Resonance Imaging | 3 |
| | | 10 |

### Second Semester

| | | |
|---|---|---|
| RAD253 | Magnetic Resonance Imaging Clinical Practicum | 1 |
| RAD254 | Computerized Tomography Clinical Practicum | 1 |
| | | 2 |

**TOTAL CREDITS**    12

### Specific Program Notes
Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

## Program: Sports Merchandising
## Certificate of Achievement
## Code: COA.SPORT.MERCH

### First Semester

| | | |
|---|---|---|
| BUS101 | Introduction to Business | 3 |
| BNF103 | Sports Finance | 3 |
| BUS150 | Sport and Team Branding | 3 |
| | | 8 |

### Second Semester

| | | |
|---|---|---|
| BUS203 | Sports Marketing | 3 |
| BUS251 | Sports Merchandising & Promotion | 3 |
| ...... | Restricted Elective* | 3 |
| | | 9 |

**TOTAL CREDITS**    18

### Specific Program Notes
*Restricted Elective: select one of the following:
--BUS463 Co-Op Work Experience [Business Admin]
--PSY111 Sport Psychology
--WEX127 Intro to Facility and Events

Students enrolled in this program **ARE <u>NOT</u> REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

## Program: Welding Technology
## Certificate of Achievement
## Code: COA.WELD

### First Semester

| | | |
|---|---|---|
| DFT107 | Drafting I | 2 |
| MFG130 | Welding Technology I | 3 |
| | | 5 |

### Second Semester

| | | |
|---|---|---|
| MFG230 | Welding Technology I | 3 |
| MFG229 | Materials Processing & Fabrication | 4 |
| | | 7 |

**TOTAL CREDITS**    12

### Specific Program Notes
Students enrolled in this program **ARE <u>NOT</u> REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.