CATALOG | 2013-2014

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
HIS124	African American 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
LIT210	Intro to the Short Story
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
LIT229	Myth and 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 Ethics
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
LAN116	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
HIS124	African American History
HIS126	Modern African History
HIS130	Latin American History to Independence
HIS131	Latin American History since Independence
HIS132	Spanish Speaking Caribbean and Central America since 1898

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
PHR127	Buddhist 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 **Degree: Associate in Arts** **Code: AA.LA.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/LA Program and Program Support 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	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 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
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
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**

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

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 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 the following fields: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); Languages and Cultures (LAN).	3-6
• One or two courses (3-6 cr.) to be selected from the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); 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 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
COM114	Intercultural Communication (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 **9**
selected from the following: ECO103; ECO105;
ECO461-462; POL101; PSY101; SOC101.

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

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

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 POL103	International Relations or Modern Political Ideologies	3
		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	3
COM102 Public Speaking	
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	**3**
since Independence	

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

FREE ELECTIVES	**2-6**

TOTAL CREDITS	**64-66**

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.

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

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*†	3-4
……	or 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**

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		
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

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		
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

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

Third Semester		
POL..	Political Science Electives***	6
HIS…	History Elective*	3
……	Humanities Elective**	3
……	Natural Science Elective*	4
		16

Diversity Elective‡		**3**

PROGRAM REQUIREMENTS		**15**

Political Science Electives***		9

Fourth Semester		
POL..	Political Science 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.
***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
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**
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

Diversity Elective‡	**3**

PROGRAM REQUIREMENTS	**15**

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

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

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

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

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

Fourth Semester

PSY…	Psychology 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: 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

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   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

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*†	3-4
	Or	
……	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.

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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.WLAN

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

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

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

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

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

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

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

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**

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

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**

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

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.MUSC**

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.

Specific Program Notes, continued
**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 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
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
……	Humanities Elective**	3
		18-19

Second Semester

THR113	Movement for the Performing Artist	2
	or	
THR220	Scene Study	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
		14-16

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 Elective**	3
……	Natural Science Elective*	4
……	Diversity Elective*	3
		14-15

Fourth Semester

THR215	Directing for the Stage	3
	or	
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

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

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	4
or	
THR216 Theatre Production Workshop	3
THR217 Theatre Performance & Production	2
or	
THR232 Stage Management	1

FREE ELECTIVES **2-6**

TOTAL CREDITS **64-66**

RECOMMENDED SEMESTER SEQUENCE

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*†	3-4
	or	
……	Free Elective†	3
WRT201	English Composition II	3
……	Humanities Elective**	3
……	Social Science Elective*	3
		16-17

Third Semester

THR217	Theatre Performance & Production	2
	or	
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	3
	or	
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 **Degree: Associate in Arts** **Code: AS.NSM.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.)
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, 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). 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	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: 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 the following fields: Economics (ECO) Geography (GEO) Political Science (POL) Psychology (PSY) 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	
HIS102	History of Western Civ. since the Reformation	3
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	
LIT202	American Lit 1880 to the Present	3
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	
LIT204	World Literature 1650 to the Present	3
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.): WEX111, WEX114, WEX115, WEX116, or WEX118; 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.): WEX111, WEX112, WEX114, WEX115, WEX116, or WEX118.

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.): WEX111, WEX112, WEX114, WEX115, WEX116, or WEX118; 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

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
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**

RECOMMENDED SEMESTER SEQUENCE

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, MAT268, 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.): WEX111, WEX112, WEX114, WEX115, WEX116, or WEX118; or IST123 Success 101.
***CHM140/141 General Chemistry I and CHM240/241 General Chemistry II are recommended.

AS Degree Program in Engineering Science

<table>
<tr><td colspan="3" align="center">Curriculum Requirements</td></tr>
<tr><td colspan="3">Program: Engineering Science
Degree: Associate in Arts
Code: AS.ENGIN.SCI</td></tr>
<tr><th>Area of Study</th><th>Credits</th><th>Course Description</th></tr>
<tr><td>Communication</td><td>9</td><td>WRT101 English Composition I (3 cr.)
WRT201 English Composition II (3 cr.)
COM100 Speech Communication (3 cr.) or COM102 Public Speaking (3 cr.)</td></tr>
<tr><td>Humanities</td><td>6</td><td>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)</td></tr>
<tr><td>Social Sciences</td><td>3</td><td>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)</td></tr>
<tr><td>Mathematics and Natural Sciences</td><td>12*</td><td>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)</td></tr>
<tr><td>Total GE Credits:</td><td>30</td><td></td></tr>
<tr><td>Restricted Program Requirements</td><td>33</td><td></td></tr>
<tr><td>Free Electives</td><td>3</td><td>Programs can make recommendations in footnotes.</td></tr>
<tr><td>Total Credits</td><td>64-66</td><td></td></tr>
</table>

*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

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	**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**

RECOMMENDED SEMESTER SEQUENCE

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 **Degree: Associate in Science** **Code: AS.PS.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.)
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	11-12	One 3-cr. or 4-cr. general education course in Mathematics (MAT) Two general education courses (8 cr.) to be selected from the following fields: Biology (BIO) Chemistry (CHM) 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: Arts (Art [ART], Music [MUS], Theatre Arts [THR]) History (HIS) Literature (LIT) Philosophy and Religion (PHR) World Languages and Cultures (LAN) 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)
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 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	15-18
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**
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

ACC110	Financial Accounting	3
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 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
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 COM111 Video Post Production	3

FREE ELECTIVES*	**3-6**

TOTAL CREDITS	**65-66**

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
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 Directing for TV	3
COM208		
COM207	TV Production II or Video Post Production	3
COM111		
……	Free Elective**	3
		19

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

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**
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
…… 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	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.
‡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.): WEX111, WEX114, WEX115, WEX116, or WEX118.

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 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

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	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.
‡BUS207 or INF101.
‡‡Recommended: IST123 Success 101 or WEX101 (2 cr.) and a WEX experience course (1 cr.): WEX111, WEX114, WEX115, WEX116, or WEX118.

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 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
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.): WEX111, WEX114, WEX115, WEX116, or WEX118.

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 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: ECO201 Microeconomics* PSY101 General Psychology SOC101 Sociology	3

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	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.
‡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.): WEX111, WEX114, WEX115, WEX116, or WEX118.

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	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
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.): WEX111, WEX114, WEX115,
WEX116, or WEX118.

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 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
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	3
	or	
PSY101	General Psychology	3
	or	
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	3
……	Free Elective†	
……	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 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**

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

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.): WEX111, WEX112, WEX114, WEX115, WEX116, or WEX118.

Program: Professional Studies – Education Option
Degree: Associate in Science
Code: AS.PS.EARLY.CHILD

Pending State Approval

GENERAL EDUCATION REQUIREMENTS	30-32

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

EDU101	Introduction to Education	3
COM…	COM100 Speech Communication or COM102 Public Speaking	3
MAT…	Mathematics Elective*	3-4
……	Humanities Elective*	3
WRT101	English Composition I	3
		15-16

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)

Second Semester

EDU120	Child Development I	3
WRT201	English Composition II	3
……	Humanities Elective*	3
……	Social Science Elective*	3
……	General Education Elective*† or	3
……	Free Elective**	
		15

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

Third Semester

EDU1XX	Educational Technology or	3
EDU130	Infants and Toddlers	
EDU220	Child Development II	3
……	Natural Science Elective*	4
……	Humanities Elective*	3
……	Social Science Elective*	3
		16

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.

Fourth Semester

EDU102	Inclusion and the Exceptional Child	3
EDUXXX	Supervised Field Work	3
……	Natural Science Elective*	4
……	Humanities Electives*	6
……	Free Elective**	3
		19

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)

Specific Program Notes
*General Education Elective(s) – see page 1.
†Recommended: PSY101 General Psychology
**Recommended: IST123 Success 101; EDU110 Foundations of Multicultural Education

PROGRAM REQUIREMENTS **18**
EDU101 Introduction to Education 3
EDU102 Inclusion and the Exceptional Child 3
EDU1XX Educational Technology or 3
EDU130 Infants and Toddlers
EDU120 Child Development I 3
EDU220 Child Development II 3
EDUXXX Supervised Field Work Experience 3

The following courses provide strong support for **PRAXIS** exam preparation, and choosing from this list is strongly recommended: ANT100, ANT101, BIO103 or BIO107, GEO101, HIS101, HIS102, HIS111, HIS112, HIS113, HIS114, LAN I and II sequence, LIT101, LIT201, LIT203, LIT204, MAT130 or MAT150, POL101, PAY101, PSY106, SOC101, SOC103.

FREE ELECTIVES*	**3-6**
TOTAL CREDITS	**65-66**

Specific Program Notes, continued

PRAXIS is a series of exams that qualifies students for teaching in the State of New Jersey. The PRAXIS II test measures basic skills in reading, writing, mathematics, and other areas of general knowledge. In addition to licensure, these tests are often used to prepare candidates for entry into a teacher education program.

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

GENERAL EDUCATION REQUIREMENTS	30-32

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

EDU101	Introduction to Education	3
COM…	COM100 Speech Communication or COM102 Public Speaking	3
MAT…	Mathematics Elective*	3-4
……	Humanities Elective*	3
WRT101	English Composition I	3
		15-16

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)

Second Semester

EDU102	Inclusion and the Exceptional Child	3
PSY101	General Psychology	3
WRT201	English Composition II	3
……	Humanities Elective*	3
……	Social Science Elective*	3
……	General Education Elective* or	3
……	Free Elective**	
		18

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

Third Semester

EDU1XX	Educational Technology	3
SOC103	Sociology of the Family	3
……	Natural Science Elective*	4
……	Humanities Elective*	3
……	Social Science Elective*	3
		16

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.

Fourth Semester

PSY106	Developmental Psychology	3
……	Natural Science Elective*	4
……	Humanities Electives*	6
……	Free Elective**	3
		16

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**
EDU101 Introduction to Education 3
EDU102 Inclusion and the Exceptional Child 3
EDU1XX Educational Technology 3
PSY101 General Psychology 3
PSY106 Developmental Psychology 3
SOC103 Sociology of the Family 3

FREE ELECTIVES* **3-6**

TOTAL CREDITS **65-66**

Specific Program Notes
*General Education Elective(s) – see page 1.
**Recommended: IST123 Success 101; EDU110 Foundations of Multicultural Education

The following courses provide strong support for **PRAXIS** exam preparation, and choosing from this list is strongly recommended: ANT100, ANT101, BIO103 or BIO107, GEO101, HIS101, HIS102, HIS111, HIS112, HIS113, HIS114, LAN I and II sequence, LIT101, LIT201, LIT203, LIT204, MAT130 or MAT150, POL101, SOC101.

Specific Program Notes, continued

PRAXIS is a series of exams that qualifies students for teaching in the State of New Jersey. The PRAXIS II test measures basic skills in reading, writing, mathematics, and other areas of general knowledge. In addition to licensure, these tests are often used to prepare candidates for entry into a teacher education program.

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 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**

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 other WEX 100-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 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: 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 following fields, with no more than two courses in any one field: — **9**
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: SOC101 Sociology — **3**

PROGRAM REQUIREMENTS — **18**

HSC100 Cross-Cultural Healthcare	3
HSC102/LGL104 Healthcare Ethics & Law	3
HSC101/BUS111 Intro to Health Administration	3
HSC200 Community Health	3
MOA140 Medical Terminology	3
WEX106 Nutrition, Exercise, & Fitness	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
HSC100	Cross-Cultural Healthcare	3
PSY101	General Psychology	3
WRT201	English Composition II	3
……	Humanities Elective*	3
		16

Third Semester

HSC102/ LGL104	Healthcare Ethics & Law	3
HSC101/ BUS111	Intro to Health Administration	3
SOC101	Sociology	3
MAT150	Statistics I	3
……	Humanities Elective*	3
……	General Education Elective*	3
		18

Fourth Semester

HSC200	Community Health	3
WEX106	Nutrition, Exercise, & Fitness	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.

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

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**
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	3
……	Free Elective‡‡	
		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	3
……	Free Elective**	
		15

Third Semester

COM203	Print Journalism Production	3
COM2XX	Copy Editing or	3
COM/INF140	Introduction to Multimedia	
……	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 or 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* or	3
……	Free Elective‡‡‡	
		17

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 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)	9

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
Code: AFA

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.

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.) WRT201 English Composition II (3 cr.) 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: 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, Natural Sciences, and Technology	3-4	One general education course (3-4 cr.) to be selected from the following fields: Mathematics (MAT) Computer Science (CIS) Information Technology (INF) Biology (BIO) Chemistry (CHM) 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

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	**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

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 **Code: AAS** 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. Career programs leading to the AAS degree are organized according to the following categories: Art, Business Administration, Business Technologies, Human Services, and Music. 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.) WRT201 English Composition II (3 cr.) 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: 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, Natural Sciences, and Technology	3-4	One general education course (3-4 cr.) to be selected from the following fields: Mathematics (MAT) Computer Science (CIS) Information Technology (INF) Biology (BIO) Chemistry (CHM) 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 | 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**
ACC110 Financial Accounting — 3
ACC120 Computerized Accounting — 3
ACC202 Intermediate Accounting I — 3
ACC203 Intermediate Accounting II — 3
ACC210 Managerial Accounting — 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

ACC110	Financial Accounting	3
ACC120	Computerized Accounting	3
BUS101	Introduction to Business	3
INF114	Microsoft Office	3
WRT101	English Composition I	3
		15

Second Semester

ACC210	Managerial Accounting	3
BUS233	Business Law I	3
ECO101	Macroeconomics	3
COM…	COM100 Speech Communication or COM102 Public Speaking	3
WRT…	WRT201 English Composition II 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**
ACC110 Financial Accounting	3
ACC210 Managerial Accounting	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

ACC110	Financial Accounting	3
BNF101	Principles of Banking	3
BUS101	Introduction to Business	3
BUS103	Business Mathematics	3
WRT101	English Composition I	3
		15

Second Semester

ACC210	Managerial Accounting	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 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	**43**
ACC110 Financial Accounting	3
ACC210 Managerial Accounting	3
BUS101 Introduction to Business	3
BUS104 Customer Service	3
BUS105 Business Communications	3
BUS107 e-Tailing	3
BUS205 Entrepreneurship or BUS110 Transportation Logistics and Supply Chain Management	3
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

ACC110	Financial Accounting	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

ACC210	Managerial Accounting	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 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	**43**
ACC110 Financial Accounting	3
ACC210 Managerial Accounting	3
BUS101 Introduction to Business	3
BUS201 Marketing Principles	3
BUS207 Principles of Management	3
BUS271 e-Commerce or BUS210 e-Marketing	3
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 Data Communications	3
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

ACC110	Financial Accounting	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

ACC210	Managerial Accounting	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 Administration – Publishing Operations and Management
Degree: Associate in Applied Science
Code: AAS.BUS.PUB

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**
MAT150… Statistics I   3

Additional General Education Course: **3**
COM… COM100 Speech Communication or
     COM102 Public Speaking

PROGRAM REQUIREMENTS   **44**
ACC110 Financial Accounting   3
ACC210 Managerial Accounting   3
ART122 Two-Dimensional Design   3
BUS101 Introduction to Business   3
BUS1XX Principles of Publishing Operations   3
BUS105 Business Communications   3
BUS120 Social Networking in Business   3
BUS201 Marketing Principles   3
BUS… Restricted Business Elective**   3
COM110 Print Journalism Production   3
COM201 Introduction to Journalism   3
COM2XX Copy Editing   3
INF119 Document Processing with Microsoft Word   3
INF124 Microsoft Excel   1
WRT2XX Writing for Professional Purposes   3
WRT2XX Reference and Citation Integrity   1

TOTAL CREDITS   **65**

RECOMMENDED SEMESTER SEQUENCE

First Semester

ACC110	Financial Accounting	3
BUS101	Introduction to Business	3
BUS1XX	Principles of Publishing Operations	3
INF119	Document Processing with MS Word	3
INF124	Microsoft Excel	1
WRT101	English Composition I	3
		16

Second Semester

ACC210	Managerial Accounting	3
BUS105	Business Communications	3
COM201	Introduction to Journalism	3
WRT…	WRT201 English Composition II or WRT202 Technical Writing	**3**
WRT2XX	Writing for Professional Purposes	3
WRT2XX	Reference and Citation Integrity	1
		16

Third Semester

ART122	Two-Dimensional Design	3
BUS120	Social Networking in Business	3
BUS201	Marketing Principles	3
COM2XX	Copy Editing	3
MAT150	Statistics I	3
……	Humanities Elective*	3
		18

Fourth Semester

BUS…	Restricted Business Elective**	3
COM…	COM100 Speech Communication or COM102 Public Speaking	3
COM110	Print Journalism Production	3
ECO101	Macroeconomics	3
……	Humanities Elective*	3
		15

Specific Program Notes
*General Education Elective(s) – see page 1.
**Restricted Business Electives: BUS463 Co-op; BUS104 Customer Service; BUS207 Principles of Management; BUS110 Transportation;, Logistics, and Supply Chain Management; BUS210 e-Marketing; BUS250 Advertising.

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 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**
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 <u>NOT</u> 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   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
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	3-4
	Science/Technology Elective**	
……	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 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
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 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	43
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
INF253 Technical Communications	3
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

INF119	Document Processing	3
INF101	Intro to Information Technology	3
INF114	Microsoft Office	3
BUS101	Introduction to Business	3
WRT101	English Composition I	3
		15

Second Semester

……	Humanities Elective**	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
INF253	Technical Communications	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; INF230; or WEX101 <u>and</u> 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 – 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 (WEX111, 114, 115, 116, or 118)	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

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
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 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
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 (WEX111, 114, 115, 116, or 118)	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 Science/Technology Elective***	3-4
		15-16

Fourth Semester

CRJ103	Criminal Law*	3
CRJ107	Criminology**	3
COM…	COM100 Speech Communication or COM102 Public Speaking	3
PSY102	Intro to Abnormal Psychology 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 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 — **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.

Specific Program Notes, continued

Students enrolled in this program **ARE NOT REQUIRED** to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

THIS IS AN ABA APPROVED PARALEGAL PROGRAM Please note: The practice of law is limited to attorneys admitted to practice within the jurisdiction. Completion of the Paralegal Studies or Legal Nurse Consultant Programs do not authorize the graduate to practice law. Program Goal: It is the goal of the Paralegal Studies Program to provide students with knowledge in a wide range of substantive legal fields and to provide practical skills necessary for the legal workplace environment. The program shall promote adherence to ethical practice and professional responsibility as legal professionals working in cooperation with and under the supervision of attorneys. The programs shall respond to the needs of the legal community and promote the economical and efficient delivery of legal services through the use of quality instruction and modern technology. For complete Program Goals, visit the Paralegal Studies and Legal Nurse Consultant website: http://www.bergen.edu/pages1/Pages/2642.aspx

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
    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 — **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
Code: AAS

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.

The career AAS degree programs presented in this section are organized according to the following categories: Health Professions and Career Technologies.

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.) WRT201 English Composition II (3 cr.) 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: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]) 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, and Technology	7-8	Two general education courses (7-8 cr.) to be selected from the following fields: Mathematics (MAT) Computer Science (CIS) Information Technology (INF) Biology (BIO) Chemistry (CHM) 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	3
or COM102 Public Speaking	
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 or COM102 Public Speaking	3
WEX…	Dynamics of Health & Fitness Exp (WEX111, 114, 115, 116, or 118)	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.

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.

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 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).	3
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

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**

RECOMMENDED SEMESTER SEQUENCE

Communication	**6**
WRT101 English Composition I	3
WRT… WRT201 English Composition II or WRT202 Technical Writing	3

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

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).

Second Semester

WRT201…	English Composition II	**3**
……	Humanities Elective*	3
……	Social Science Elective*†	3
……	Natural Science Elective*‡	4
WEX…	Dynamics of Health & Fitness Exp (WEX111, 114, 115, 116, or 118)	1
……	Free Elective*	3
		17

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**

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**
INF114 Microsoft Office | 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
INF119	Document Processing with MW	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
INF114	Microsoft Office	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.

Program: Health Professions – Paramedic Science   *Pending CAAHEP/State Approval*
Degree: Associate in Applied Science
Code: AAS.HP.PAR
Program Length: 24 months
Preadmissions: HESI Exam, Program Admissions Exam and EMT skills screening, Active NJ EMT License
GPA for admissions eligibility: 2.50
High School prerequisite courses: 1 year science (college placement Biology with lab) and 1 year Algebra
College Substitutions: BIO109
Application Deadline: February 1
Program Admits: Fall Semester
Note: This regional program utilizes clinical education sites throughout the state of NJ. Students will be required to travel to distant sites and provide their own transportation.

GENERAL EDUCATION REQUIREMENTS	**20**
Communication	**6**
WRT101 English Composition I	3
WRT… WRT201 English Composition II or WRT202 Technical Writing	3
Humanities and Social Sciences	**6**
PSY101 General Psychology	3
SOC101 Sociology	3
Mathematics, Natural Sciences, & Technology	**8**
BIO109 Anatomy & Physiology I	4
BIO209 Anatomy & Physiology II	4
PROGRAM REQUIREMENTS	**40**
PAR101 Principles of Paramedic Science I	4
PAR102 Paramedic Patient Care Techniques I	4
PAR103 Paramedic Diagnostic Methods I	3
PAR104 Paramedic Clinical Concepts I	3
PAR200 Paramedic Cardiac & Trauma Care	2
PAR201 Principles of Paramedic Science II	4
PAR202 Paramedic Patient Care Techniques II	4
PAR203 Paramedic Diagnostic Methods II	3
PAR204 Paramedic Clinical Concepts II	3
PAR205 Paramedic Clinical Concepts III	4
PAR206 Paramedic Field Externship I	4
PAR 207 Paramedic Field Externship II	2
PROGRAM SUPPORT REQUIREMENTS	**6**
MAT… Mathematics Elective*	3
PSY201 Child Psychology	3
TOTAL CREDITS	**66**

RECOMMENDED SEMESTER SEQUENCE

First Semester

BIO109	Anatomy & Physiology I	4
MAT…	Mathematics Elective*	3
PSY101	General Psychology	3
WRT101	English Composition I	3
		13

Second Semester

BIO209	Anatomy & Physiology II	4
PSY201	Child Psychology	3
SOC101	Sociology	3
WRT…	WRT201 English Composition II or WRT202 Technical Writing	**3**
		13

Third Semester

PAR101	Principles of Paramedic Science I	4
PAR102	Paramedic Patient Care Techniques I	4
PAR103	Paramedic Diagnostic Methods I	3
PAR104	Paramedic Clinical Concepts I	3
		14

Winter Term

PAR200	Paramedic Cardiac & Trauma Care	2
		2

Fourth Semester

PAR201	Principles of Paramedic Science II	4
PAR202	Paramedic Patient Care Techniques II	4
PAR203	Paramedic Diagnostic Methods II	3
PAR204	Paramedic Clinical Concepts II	3
		14

Summer Session

PAR205	Paramedic Clinical Concepts III	4
PAR206	Paramedic Field Externship I	4
PAR207	Paramedic Field Externship II	2
		10

Specific Program Notes
*Mathematics Elective: select MAT130 Contemporary Mathematics, MAT150 Statistics I, or MAT155 Finite Mathematics.

Students enrolled in this program **ARE REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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.

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

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 – 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.

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 9 wks = 144 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

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; MAT035
Application Deadline: October 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
VET204	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 in Nursing is 66.

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 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.

Former WEX requirements: WEX101 Dynamics of Health & Fitness (2 credits) and a 200-level WEX Dynamics of Health & Fitness Experience (1 credit) were required for all nursing students admitted prior to fall 2012. The total number of credits such students must complete is 69 (36 general education, 33 nursing). Students admitted in September 2012 and thereafter are NOT required to take WEX courses. The total number of credits those students must complete is 66 (33 general education, 33 nursing).

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.
The total number of credits required for the AAS degree in Nursing is 66.

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 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).	3
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**

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

Eighth Semester
NUR290	Adult Health Nursing C	4
NUR291	Adult Health Nursing D	4
		8

Specific Program Notes
*General Education Course List – see page 1.
†Evening nursing applicants cannot be accepted until general co-requisites (7 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.

Former WEX requirements: WEX101 Dynamics of Health & Fitness (2 credits) and a 200-level WEX Dynamics of Health & Fitness Experience (1 credit) were required for all nursing students admitted prior to fall 2012. The total number of credits such students must complete is 69 (36 general education, 33 nursing). Students admitted in September 2012 and thereafter are NOT required to take WEX courses. The total number of credits those students must complete is 66 (33 general education, 33 nursing).

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 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**
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

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 DFT463 Co-Op Work Exp (Drafting)	3
DFT282 Technical Illustration or TEC180 Problem Solving Using Technology	3 4
MFG122 Machine Tool Principles I	3
HRT104 Landscape Plants & Materials I	2

FREE ELECTIVES	**5**

TOTAL CREDITS	**66**

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 or	3
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

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 or COM102 Public Speaking	3
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**

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

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 MFG463 Co-Op Work Exp (Manufacturing)	3
ELC110 Electric Power Technology or TEC180 Problem Solving Using Technology	4

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.

**Program: Career Technologies – Science Technology, Horticulture
Degree: Associate in Applied Science
Code: AAS.ST.HORT**

GENERAL EDUCATION REQUIREMENTS	20

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	**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**

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

Specific Program Notes
*General Education Elective(s) – see page 1.
†Restricted HRT Elective: HRT115, HRT119, HRT235, HRT237.

Students enrolled in this program **ARE <u>NOT</u> 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 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**
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 <u>NOT</u> 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 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**
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; 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 <u>and</u> 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 <u>and</u> 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 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**
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

RECOMMENDED SEMESTER SEQUENCE

Communication	**6**
WRT101 English Composition I	3
WRT… WRT201 English Composition II or	3
WRT202 Technical Writing	

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

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).

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

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.

Third Semester

GAM221	Game Programming 3D	3
INF130	Testing & Quality Assurance	3
INF230	Advanced Multimedia	3
INF217	Database for Applications	3
INF253	Technical Communications	3
		15

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

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

PROGRAM SUPPORT REQUIREMENTS	**3**
…… Writing/Humanities Restricted Elective*****	

TOTAL CREDITS	**64-65**

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 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**
PHY185 Introduction to Physics 4
…… Math/Computer Science/Natural Science/Technology 3-4
　　　Elective*

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 9
COM… Mass Communication Electives***

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	3
	Free Elective	
		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 EC180 Problem Solving using Technology	3-4
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.

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
ART197 Computer Imaging***	3
ART290 Computer 2D Animation I*	3
ART291 Computer 2D Animation II*	3
ART293 Computer 3D Animation II*	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
ART197	Computer Imaging***	3
ART…	Restricted Elective	3
WRT101	English Composition I	3
......	General Education Elective**	3
		15

Second Semester

ART290	Computer 2D Animation I*	3
ART291	Computer 2D Animation II*	3
ART293	Computer 3D Animation II*	3
ART…	Restricted Electives	6
......	General Education Elective**	3
		18

Specific Program Notes
*Course uses Windows OS workstations.
**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
ART197	Computer Imaging**	3
ART287	Computer Layout I*	3
ART…	Restricted Electives	3
WRT101	English Composition I	3
		15

Second Semester

ART288	Computer Layout II*	3
ART…	Restricted Electives	9
......	General Education Elective***	3
		15

Specific Program Notes
*Course uses Windows OS workstations.
**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.

Program: Certificate in Computer Science
Certificate: One-Year [30-36 credit] Academic Certificate
Code: CERT.COMP.SCI

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

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** **NOT** **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

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

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 NOT 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

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

TOTAL CREDITS	**35**

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 BUS170 Small Business Management	3
BUS103 Business Mathematics	3
BUS105 Business Communications	3
BUS107 e-Tailing	3
ACC110 Financial Accounting or BUS205 Entrepreneurship	3
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

ACC110	Financial Accounting 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** **NOT** **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** **NOT** **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 <u>NOT</u> 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 BUS115 Introduction to Nonprofit Organizations	3
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.

THIS IS AN ABA APPROVED PARALEGAL PROGRAM Please note: The practice of law is limited to attorneys admitted to practice within the jurisdiction. Completion of the Paralegal Studies or Legal Nurse Consultant Programs do not authorize the graduate to practice law. Program Goal: It is the goal of the Paralegal Studies and Legal Nurse Consultant Programs to provide students with knowledge in a wide range of substantive legal fields and to provide practical skills necessary for the legal workplace environment. The program shall promote adherence to ethical practice and professional responsibility as legal professionals working in coopera-tion with and under the supervision of attorneys. The programs shall respond to the needs of the legal community and promote the economical and efficient delivery of legal services through the use of quality instruction and modern technology. For complete Program Goals, visit the Paralegal Studies and Legal Nurse Consultant website: http://www.bergen.edu/pages1/Pages/2642.aspx

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 or COM… Communication Elective	3

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… INF… COM…	Business Elective or Information Technology Elective or Communication Elective	3
......	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
MUS109/THR109 History of Musical Theatre	3
MUS110 Music, Art, and Drama	3
MUS118 Vocal Workshop	2
MUS121 Chorus I	1
MUS131 Class Piano I	2
MUS134 Ear Training and Musicianship 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	26
BUS101 Introductin to Business	3
BUS103 Business Mathematics	3
INF101 Intro to Information Technology	3
INF114 Microsoft Office*	3
INF119 Document Processing	3
INF146 Web Development 　　　　　or INF147 Web Development Using Dreamweaver	3
INF16 Internet Research and Data Handling	1
INF253 Technical Communications	3
INF228 Excel for Problem Solving	1
INF… Restricted Elective†	3

TOTAL CREDITS	32

RECOMMENDED SEMESTER SEQUENCE

First Semester

BUS101	Introduction 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	3
INF146	Web Development 　　　　or Web Dev Using Dreamweaver	3
INF147		
INF253	Technical Communications	3
INF228	Excel for Problem Solving	1
INF…	Restricted Elective†	3
		16

Specific Program Notes
*Credit by Exam Tests may be available.
***General Education Course List – see page 1.
***Class offered only during fall semester.
†Restricted INF Electives: INF108, INF150***, INF160, INF217, INF230.

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 <u>NOT</u> 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** **NOT** **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		
ACC110	Financial Accounting	3
ACC120	Computerized Accounting	3
ACC140	Federal Income Tax Return Preparation	1
INF124	Spreadsheet: Excel	1
		8
Second Semester		
ACC210	Managerial Accounting	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.

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 <u>NOT</u> REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

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	3
	or COM102 Public Speaking	
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 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.

Program: Child Development
Certificate of Achievement
Code: COA.CHILD

First Semester

EDU1XX	Child Development I	3
EDU1XX	Practicum I	2
EDU130	Infants and Toddlers	3
		8

Second Semester

EDU2XX	Child Development II	3
EDU2XX	Practicum II	2
		5

Third Semester

EDUXXX	Child Development Externship	3
		3

TOTAL CREDITS	**16**

Specific Program Notes
Students are eligible to take the credentialing exam to qualify as a Child Development Associate (CDA) after completing successfully this Certificate of Achievement program. Please refer to the Council of Professional Recognition at **www.cdacouncil.org** for a full explanation of the credentialing process.

The Child Development Associate qualification is the most widely recognized early childhood credential in the nation. The CDA coursework prepares early childhood educators in the following areas: creating safe, healthy learning environments, promoting intellectual & physical competence, supporting social & emotional development, providing for positive guidance, and learning observation and assessment techniques to drive instruction.

Child Development Associate (CDA) candidates must begin their Certificate of Achievement coursework in the fall 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	3
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.

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.

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.

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
BUS116	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
Certificate of Achievement
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 NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.

Program: Real Estate
Certificate of Achievement
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
Certificate of Achievement
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
Certificate of Achievement
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 NOT 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 NOT REQUIRED** to successfully complete a course in basic algebra if indicated by Placement Testing.