## CATALOG 2014-2015

Academic Programs



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COURSES APPROVED FOR GENERAL EDUCATION	1
AA DEGREE PROGRAM(S) IN LIBERAL ARTS	2
Liberal Arts, General Curriculum (AA.LA.GEN)	3
Liberal Arts, Cinema Studies Option (AA.LA.INST)	4
Liberal Arts, Communication Option (AA.LA.COMM)	5
Liberal Arts, Economics Option (AA.LA.ECON)	6
Liberal Arts, Global Studies Option (AA.LA.GLOBAL.STUD)	7
Liberal Arts, History Option (AA.LA.HIST)	8
Liberal Arts, Latin American Studies (AA.LA.LAS)	9
Liberal Arts, Literature Option (AA.LA.LIT)	10
Liberal Arts, Philosophy Option (AA.LA.PHIL)	11
Liberal Arts, Political Science Option (AA.LA.POLISCI)	12
Liberal Arts, Psychology Option (AA.LA.PSY)	13
Liberal Arts, Religion Option (AA.LA.REL)	14
Liberal Arts, Social Sciences Option (AA.LA.SOC.SCI)	15
Liberal Arts, Sociology Option (AA.LA.SOC)	16
Liberal Arts, Women Studies Option (AA.LA.WMST)	17
Liberal Arts, World Languages and Cultures Option (AA.LA.WLAN)	18
AA DEGREE PROGRAM(S) IN FINE AND PERFORMING ARTS	19
Fine and Performing Arts, General Curriculum (AA.FPA.GEN)	20
Fine and Performing Arts, Art Option (AA.FPA.ART)	21
Fine and Performing Arts, Cinema Studies Option (AA.FPA.CINST)	22
Fine and Performing Arts, Music Option (AA.FPA.MUSC)	23
Fine and Performing Arts, General Theatre Arts Option (AA.FPA.THTR)	24
Fine and Performing Arts, Theatre Arts – Acting Option (AA.FPA.THTR.ACT)	25
Fine and Performing Arts, Theatre Arts – Dance Option (AA.FPA.THTR.DAN)	26
Fine and Performing Arts, Theatre Arts – Technical Theatre Production Option (AA.FPA.THTR.TECH)	27
AS DEGREE PROGRAM(S) IN NATURAL SCIENCES OR MATHEMATICS	28
General Science Curriculum (AS.NSM.GEN)	29
Aviation Operations Option (AS.NSM.AVT.OPR)	30
Biology Option (AS.NSM.BIO)	31
Biotechnology Option (AS.NSM.BIO.TECH)	32
Chemistry Option (AS.NSM.CHM)	33
Computer Science Option (AS.NSM.COMP.SCI)	34
Mathematics Option (AS.NSM.MATH)	35
Physics Option (AS.NSM.PHYSC)	36
AS DEGREE IN ENGINEERING SCIENCE	37
Engineering Science (AS.NSM.ENGIN)	38
AS DEGREE PROGRAM(S) IN PROFESSIONAL STUDIES	39
General Curriculum (AS.PS.GEN)	40
Aviation Administration Option (AS.PS.AVT.ADM)	41
Broadcasting (AS.PS.BRCAST)	42

Business Administration – General Option (AS.PS.BUS.ADM)	43
Business Administration – Accounting Option (AS.PS.BUS.ACCT)	44
Business Administration – Hospitality Option (AS.PS.BUS.HOSP)	45
Business Administration – International Trade Option (AS.PS.BUS.INTL)	46
Business Administration – Management Option (AS.PS.BUS.MGMT)	47
Business Administration – Marketing Option (AS.PS.BUS.MKTG)	48
Business Administration – Nonprofit Management Option (AS.PS.BUS.NONPRF.MGT)	49
Criminal Justice Option (AS.PS.CRIMJ)	50
Early Childhood Education (AS.PS.EARLY.CHILD)	51
Education Option (AS.PS.EDU)	52
Exercise Science Option (AS.PS.EXER)	53
Health Science Option (AS.PS.HSC)	54
Information Technology (AS.PS.INFO)	55
Journalism Option (AS.PS.JOUR)	56
Social Work Option (AS.PS.SOC.WK)	57
AFA (ASSOCIATE IN FINE ARTS) DEGREE PROGRAM(S)	58
Music – Music Business Option (AFA Degree) (AFA.MUSC.BUS)	59
Music – Music Technology Option (AFA Degree) (AFA.MUSC.TECH)	60
AAS DEGREE PROGRAMS – BASIC STRUCTURE	61
Art, Computer Animation (AAS.ART.ANIM)	62
Art, Graphic Design/Computer Graphics (AAS.ART.GRPH)	63
Business Administration, Accounting (AAS.BUS.ACCT)	64
Business Administration, Banking and Finance (AAS.BUS.BANK)	65
Business Administration, e-Business Management (AAS.BUS.e-BUS.MGMT)	66
Business Administration, Management Information Systems (AAS.BUS.INFO.SYS)	67
Business Administration, Publishing Operations and Management (AAS.BUS.PUB)	68
Hotel/Restaurant/Hospitality – General (AAS.BT.HR.GEN)	69
Hotel/Restaurant/Hospitality - Catering and Banquet Management (AAS.BT.HR.CATER)	70
Hotel/Restaurant/Hospitality - Culinary Entrepreneurship (AAS.BT.HR.CUL.EPR)	71
Hotel/Restaurant/Hospitality – Event Planning and Management (AAS.BT.HR.EVENT)	72
Hotel/Restaurant/Hospitality - Hospitality Management (AAS.BT.HR.HOSP)	73
Information Technology – Office Technology (AAS.BT.OFF.TECH)	74
Human Services, Correctional Studies (AAS.HS.CORR)	75
Human Services, Law Enforcement Studies (AAS.HS.LAWENF)	76
Human Services, Legal Studies, Paralegal (AAS.LS.PARALGL)	77
Music – Music Business Option (AAS Degree) (AAS.MUSC.MUS.BUS)	78
AAS DEGREE PROGRAMS – HEALTH PROFESSIONS AND CAREER TECHNOLOGIES	79
Health Professions – Dental Hygiene (AAS.HP.DENTL)	80
Health Professions – Diagnostic Medical Sonography (AAS.HP.DMS)	81
Health Professions – Health Science (AAS.HP.HEALTH.SCI)	82
Health Professions – Medical Office Assistant (AAS.HP.MOA)	83
Health Professions – Paramedic Science (AAS.HP.PAR)	84
Health Professions – Radiography (AAS.HP.RAD)	85

Health Professions – Respiratory Care (AAS.HP.RESP)	86
Health Professions – Veterinary Technology (AAS.HP.VET)	87
Nursing, Day Session (AAS.NURS.DAY)	88
Nursing, Evening Session (AAS.NURS.EVE)	89
Health Professions/Career Tech – Interdisciplinary Program in Medical Informatics (AAS.MED.INFO)	90
Career Technologies – General Engineering Technology/Avionics Option (AAS.IDT.AVIONICS)	91
Career Technologies – Drafting and Design Technology (AAS.IDT.DRFT)	92
Career Technologies – Electronics Technology (AAS.IDT.ELECT.TECH)	93
Career Technologies – General Engineering Technology (AAS.IDT.ENGIN.TECH)	94
Career Technologies – Manufacturing Technology (AAS.IDT.MFG.TECH)	95
Career Technologies – Science Technology, Horticulture (AAS.ST.HORT)	96
Career Technologies – Science Tech, Horticulture – Landscape/Design/Build Option (AAS.ST.LAND)	97
Information Technology – Database Programming and Administration (AAS.IT.DB)	98
Information Technology – Networking Administration (AAS.IT.NET)	99
Information Technology – Web Development and Management (AAS.IT.WEB)	100
Software Development – Game Programming (AAS.SD.GAME.PGMG)	101
Software Development – Game Testing (AAS.SD.GAME.TEST)	102
Music – Recording Technology (AAS.MUSC.REC.TECH)	103
CERTIFICATES	104
Computer Aided Drafting [CAD] (CERT.CAD)	105
Computer Animation (CERT.COMP.ANIM)	106
Computer Graphics (CERT.COMP.GRAPH)	107
Computer Science (CERT.COMP.SCI)	108
Computer Technical Support (CERT.COMP.SUPPORT)	109
Culinary Arts (CERT.CULN.ARTS)	110
Culinary Science (CERT.CULN.SCI)	111
Database Programming and Administration (CERT.DB)	112
e-Commerce: Business Emphasis (CERT.e-COMM.BUS)	113
Event Planning and Management (CERT.EVENT.PLAN.MGT)	114
Exercise Science (CERT.EXER.SCI)	115
Floral Design (CERT.FLORAL)	116
Grounds Management (CERT.GRND.MGT)	117
Hospitality Management (CERT.HOSP.MGT)	118
Landscaping (CERT.LAND)	119
Legal Nurse Consultant (CERT.LGN.CONS)	120
Medical Office Administrative Assistant (CERT.MOAA)	121
Music Business (CERT.MUSC.BUS)	122
Music Technology (CERT.MUSC.TECH)	123
Musical Theater (CERT.MUSC.THR)	124
Office Technology (CERT.OFF.TECH)	125
Radiation Therapy Technology (CERT.RAD.THERAPY)	126
Small Business Management (CERT.SM.BUS.MGMT)	127
Surgical Technology (CERT.SURG)	128

### TABLE OF CONTENTS

Transfer Studies: Liberal Arts (CERT.TRAN.LA.GEN)	129
Transfer Studies: Science, Technology, Professional Studies (CERT.TRAN.STP.GEN)	130
CERTIFICATES OF ACHIEVEMENT	131
Accounting Assistant (COA.ACCT.ASST)	131
Baking (COA.BAKING)	131
Biotechnology (COA.CIO.TECH)	132
Business Paraprofessional Management (COA.BUS.PARA.MGMT)	132
Catering (COA.CATER)	133
CNC Programming (COA.CNC.PROG)	133
Finance (COA.FINANCE)	134
Fire Science (COA.FIRE.SCI)	134
Forensic Science (COA.FORENSIC)	134
Homeland Security (COA.HOME.SEC)	134
Hospitality Operations (COA.HOSP.OPR)	135
Machine Tooling (COA.MACH.TOOL)	135
Manufacturing Design using Pro/Engineer® (COA.MFG.PROENG)	136
Marketing Assistant (COA.MKTG.ASST)	136
Commercial Music Production (COA.MUSC.COMM.PROD)	136
Network Security (COA.NET.SECURITY)	136
Nonprofit Management (COA.NONPRF.MGT)	137
Private Security (COA.PRIV.SECURITY)	137
Professional Cooking (COA.PROF.COOK)	137
Real Estate (COA.REAL.EST)	137
Sports Management (COA.SPORTS.MGMT)	138
Special Imaging for Radiologic Technologists (COA.IMAG.RAD)	138
Sports Merchandising (COA.SPORT.MERCH)	138
Welding Technology (COA.WELD)	138

### **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.

Stude	nts are advised to reviev	v tne sp	ecific general education	require	ments in their respectiv	ve prograi	ms or study.
I. COM	IMUNICATION	PHILOSO	PHY AND RELIGION	V. MA	THEMATICS	SOCIOLO	GY
COM100	Speech Communication	PHR100	Reasoning	MAT130	Contemporary Mathematics	SOC101	Sociology
COM102	Public Speaking	PHR101	Introduction to Philosophy	MAT150	Statistics I	SOC103	Soc of the Family
WRT101	English Composition I	PHR102	Contemporary Moral Issues	MAT155	Finite Mathematics	SOC113	Social Problems
WRT201	English Composition II	PHR103	Introduction to Logic	MAT180	Pre-calculus	SOC120	Soc of Gender Roles
WRT202	Technical Writing	PHR106	Eastern Philosophy	MAT223	Calculus for Managerial	SOC222	Ethnic and Minority
	(for AAS degree programs only)	PHR107	Intro to the Philosophy of Art		and Social Sciences		Group Relations
		PHR110	Intro to Ethics	MAT250	Statistics II	VIII DI	VERSITY COURSES
	APUTER SCIENCE	PHR111	Social & Political Philosophy	MAT280	Calculus I		
CIS158	Intro to Computer Science	PHR120	Introduction to Religion	MAT281	Calculus II	ANTHROP	
CIS165	Fundamentals of	PHR121	Religions of the World	MAT282	Calculus III	ANT100 ANT101	Intro to Anthropology Cultural Anthropology
	Programming	WORLDI	ANGUAGES AND	MI NIA	TURAL SCIENCES	ANTIUI	Cultural Anthropology
	MANUTIC	CULTURE				ARTS and	MEDIA
	MANITIES	LAN170	American Sign Lang I	BIOLOGY		CIN160	Women in Cinema
ART101	D MEDIA Introduction to Art and	LAN270	American Sign Lang II	BIO101 BIO103	General Biology I*	CITTOO	Women in cinema
AKITUT	Visual Culture	LAN271	Intermed Amer Sign Lang I	BIO103	The Human Body* Microbiology*	COMMUN	IICATION
ART102	History of Art and Visual	LAN272	Intermed Amer Sign Lang II	BIO104 BIO107	Intro to Human Biology*	COM114	Intercultural Communication
ANTIUZ	Culture to 1400	LAN115	Arabic I	BIO107	Intro to Fidinal Biology Intro to Environmental Bio*		
ART103	History of Art and Visual	LAN255	Arabic II	BIO100	Anat & Physio I*†	GEOGRAP	PHY
7111103	Culture, 1400 to 1900	LAN 256	Intermediate Arabic I	BIO209	Anat & Physio II*†	GEO101	World Geography
ART104	Modern Art, 1890-1940	LAN 257	Intermediate Arabic II	BIO130	People-Plant Relations	GEO102	Human Geography
ART107	History of Photography	LAN116	Chinese (Mandarin) I	BIO131	General Botany*		
ART110	Contemporary Art since 1940	LAN276	Chinese (Mandarin) II	BIO203	General Biology II*	HISTORY	
MUS101	Music Appreciation	LAN277	Intermed Chinese (Mandarin) I		3,	HIS105	Women in History
MUS107	Music History I	LAN278	Intermed Chinese (Mandarin) II	CHEMIST	rry	HIS116	Women in American
MUS108	Music History II	LAN110	French I	CHM100	Intro to Chemistry*		History
MUS/THR	109 History of Musical Theatre	LAN200	French II	CHM102	Chemistry in Context*	HIS121	Modern Asian History
MUS110	Music, Art, and Drama	LAN201	Intermediate French I	CHM112	College Chem*	HIS124	African American History
THR101	Introduction to Theatre	LAN202	Intermediate French II	CHM140	Gen Chem I*	HIS126	Modern African History
THR/CIN1	40 Introduction to Cinema	LAN203	French Conversation	CHM141	Gen Chem I-Lab*	HIS130	Latin American History
HISTORY		LAN111	German I German II	CHM240	General Chem II*	1.001.21	to Independence
HIS101	History of Western Civ to	LAN210	Intermediate German I	CHM241	General Chem II-Lab*	HIS131	Latin American History since Independence
1113101	the Reformation	LAN211 LAN212	Intermediate German II			HIS132	Spanish Speaking Caribbean
HIS102	History of Western Civ	LAN212 LAN213	German Conversation		& PHYSICAL SCIENCES	1113132	and Central America since 1898
1113102	since the Reformation	LAN180	Hebrew I	PHY100	Energy and Society	HIS146	Genocide and Holocaust
HIS105	Women in History	LAN280	Hebrew II	PHY111	Astronomy*	1115140	denociae ana molocaust
HIS106	History of Modern Europe	LAN144	Irish I	PHY112	Climatology*	LITERATU	IRE
	to the French Revolution	LAN244	Irish II	PHY113 PHY114	Geology* Meteorology	LIT203	World Lit to 1650
HIS107	History of Mod Europe since	LAN245	Intermediate Irish	PHY185	Intro to Physics*	LIT204	World Lit, 1650-Present
	the French Revolution	LAN112	Italian I	PHY186	General Physics I*	LIT215	Black Literary Voice in
HIS111	US History to Reconstruction	LAN220	Italian II	PHY280	Physics I*		America
HIS112	US History since Reconstruction	LAN221	Intermediate Italian I	PHY286	General Physics II*	LIT218	American Ethnic Lit
HIS113	History of 20th Century	LAN222	Intermediate Italian II	PHY290	Physics II*	LIT223	Contemporary Latin
	US to World War II	LAN223	Italian Conversation	PHY291	Physics III*		American Literature
HIS114	History of 20th Century	LAN120	Japanese I		,	LIT224	Topics in Internatl Lit
	US since World War II	LAN260	Japanese II	VII. SO	CIAL SCIENCES	LIT228	Women in Literature
HIS116	Women in American	LAN261	Intermediate Japanese I	ANTHRO		LIT242	Latin American Literature
1115404	History	LAN262	Intermediate Japanese II	ANT100	Intro to Anthropology	DI III OCO	DUN I DELICION
HIS121	Modern Asian History	LAN165	Korean I	ANT101	Cultural Anthropology		PHY and RELIGION
HIS124	African American History	LAN265	Korean II			PHR106 PHR121	Eastern Philosophy Religions of the World
HIS126 HIS130	Modern African History Latin American History to	LAN266	Intermediate Korean I	ECONON	IICS	PHR121	Women and Religion
1113130	Independence	LAN119	Latin I	ECO101	Macroeconomics	PHR124	Christian Scriptures
HIS131	Latin American History	LAN289	Latin II	ECO201	Microeconomics	PHR125	Hebrew Scriptures
1113131	since Independence	LAN114 LAN240	Russian I Russian II			PHR126	Islamic Scriptures
	since macpenaence	LAN240	Intermediate Russian I	GEOGRA		PHR127	Buddhist Scriptures
LITERATI	JRE	LAN241	Intermediate Russian II	GEO101	World Geography	1111(12)	badamst scriptures
LIT201	American Lit to 1880	LAN113	Spanish I	GEO102	Human Geography	POLITICA	L SCIENCE
LIT202	American Lit, 1880-Pres	LAN230	Spanish II	DOLUTIC/	AL SCIENCE	POL103	Mod Political Ideologies
LIT203	World Lit to 1650	LAN231	Intermediate Spanish I				3
LIT204	World Lit, 1650-Present	LAN232	Intermediate Spanish II	POL101 POL102	American Government International Relations	PSYCHOL	OGY
LIT205	English Lit to 1800	LAN233	Spanish Conversation	POL102	Mod Political Ideologies	PSY110	Psychology of Sexuality
LIT206	English Lit, 1800-Pres	LAN228	Elementary Spanish for	POL103	State and Local Govt.	PSY123	Cross-Cultural Psychology
LIT210 LIT215	Intro to the Short Story		Heritage Speakers	POL104 POL107	Introduction to Politics	PSY207	Psychology of Women
LIIZID	Black Literary Voice in	LAN229	Intermediate Spanish for	. 02107		PSY210	Social Psychology
LIT216	America		Heritage Speakers				
LIT216 LIT217	European Lit to 1650 European Lit, 1650-Pres	IV TEC	HNOLOGICAL	PSYCHO	LOGY	SOCIOLO	
LIT217 LIT218	American Ethnic Lit			PSY101	General Psychology	SOC120	Soc of Gender Roles
LIT216 LIT221	Shakespeare		MPETENCY	PSY106	Developmental Psych	SOC121	Changing Roles of Women
LIT226	Intro to the Novel	INF101	Intro to Information Tech	PSY201	Child Psychology	SOC222	Ethnic and Minority
		INF102	Intro to Computing				Group Relations

<sup>\*</sup> 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.

Intro to Poetry

Women in Literature

Myth and Literature

LIT227

LIT228 LIT229

<sup>†</sup> 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	

<sup>\*</sup>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 6credit 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.

Degree: Associate in Arts Code: AA.LA.GEN **GENERAL EDUCATION REQUIREMENTS** 45-47 RECOMMENDED SEMESTER SEQUENCE Communication First Semester 9 COM... COM100 Speech Communication or 3 HIS. History Elective\* 3 COM102 Public Speaking **Humanities Elective\*\*** 3 MAT.. WRT101 English Composition I 3 Mathematics Elective\*† 3-4 COM... WRT201 English Composition II 3 COM100 Speech Communication 3 or COM102 Public Speaking **History Electives\*** 6 **WRT101** English Composition I 3 15-16 **Humanities Electives\*\*** 9 Second Semester Three general education courses selected from the following fields, with no more than two courses in any one field: History Elective\* HIS. 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Humanities Elective\*\*** 3 Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); MAT/CIS/ Mathematics or Computer Science or World Languages and Cultures (LAN). INF... Information Technology Elective\*† 3-4 Social Science Electives\* Free Elective† 6 Two general education courses selected from the following WRT201 English Composition II 3 fields, with no more than one course in any one field: Social Science Elective\* 3 Economics (ECO); Geography (GEO); Political Science (POL); Diversity Elective\* 3 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). 18-19 Mathematics, Natural Sciences, & Technology 12-14 Third Semester Mathematics\* Humanities Elective\*\* 3-4 3 Mathematics or Computer Science or Information Technology\* **Humanities Elective** 0-3 3 Natural Science Electives\* 8 Natural Science Elective\* 4 . . . . . Social Science Elective\* 3 **Diversity Elective\*** 3 Social Science Elective 3 16 PROGRAM REQUIREMENTS 15 Two or three courses (6-9 cr.) to be selected from **Fourth Semester** the following fields: Arts (Art [ART], Music [MUS], **Humanities Elective** 3 Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Natural Science Elective\* 4 Literature (LIT); Philosophy and Religion (PHR); World Social Science Elective 3 Languages and Cultures (LAN). **Humanities or Social Science** 3 . . . . . . Elective Two or three courses (6-9 cr.) to be selected from Free Elective‡ the following fields: Economics (ECO); Geography (GEO); 15-17 Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). **FREE ELECTIVES**‡ 2-6 **TOTAL CREDITS** 64-66

#### Specific Program Notes

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

Program: Liberal Arts - General Curriculum

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

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

‡Recommended: IST123 Success 101.

Program: Liberal Arts - Cinema Studies Option Degree: Associate in Arts Code: AA.LA.CINST **GENERAL EDUCATION REQUIREMENTS** 45-47 RECOMMENDED SEMESTER SEQUENCE Communication 9 First Semester COM... COM100 Speech Communication or 3 COM102 Public Speaking WRT101 English Composition I 3 WRT201 English Composition II 3 **History Electives\*** 6 **Humanities Electives\*\*** 9 CIN140 Introduction to Cinema 3 General Education Humanities course (but not in 3 History [HIS]).\*\* General Education Humanities course (but not in 3 History [HIS] & not in the Arts [ART, MUS,THR, CIN)].\*\*\* 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 **Third Semester** 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

**FREE ELECTIVES**‡

Social Science Electives

2-6 64-66

3

6

**TOTAL CREDITS** 

CIN160 Women in Cinema or CIN170 American Cinema

#### **Specific Program Notes**

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

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).

\*\*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.

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

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

HIS	History Elective*	3
CIN	CIN160 Women in Cinema	3
	or CIN170 American Cinema	
	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

Code: AA.LA.COMM **GENERAL EDUCATION REQUIREMENTS** 45-47 RECOMMENDED SEMESTER SEQUENCE Communication 9 First Semester COM... COM100 Speech Communication or 3 HIS. History Elective\* 3 COM102 Public Speaking **Humanities Elective\*\*** 3 WRT101 English Composition I MAT.. 3 Mathematics Elective\*† 3-4 WRT201 English Composition II 3 COM... COM100 Speech Communication 3 or COM102 Public Speaking WRT101 **History Electives\*** 6 English Composition I 3 15-16 **Humanities Electives\*\*** 9 Three general education courses selected from the following **Second Semester** fields, with no more than two courses in any one field: History Elective\* HIS. 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Humanities Elective\* 3 Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); MAT/CIS/ Mathematics or Computer Science or World Languages and Cultures (LAN). INF... Information Technology Elective\*† 3-4 Social Science Electives\* Free Elective† 6 3 Two general education courses selected from the following WRT201 English Composition II 3 fields, with no more than one course in any one field: Social Science Elective' 3 Economics (ECO); Geography (GEO); Political Science (POL); COM114 Intercultural Communication 3 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). (General Education Diversity Course) 18-19 Mathematics, Natural Sciences, & Technology 12-14 Mathematics' 3-4 Third Semester Mathematics or Computer Science or Information Technology\* 0-3 Humanities Elective\* 3 Natural Science Electives\* **Humanities Elective** 3 8 Natural Science Elective\* 4 **Diversity Course** 3 Social Science Elective\* 3 COM114 Intercultural Communication COM. Communication Elective\* 3 3 16 **PROGRAM REQUIREMENTS** 15 • Two Communication (COM) courses (6 cr.).\*\*\* Fourth Semester 6 **Humanities Elective** • One or two courses (3-6 cr.) to be selected from 3 3-6 the following fields: Arts (Art [ART], Music [MUS], Natural Science Elective\* 4 Theatre Arts [THR], Cinema Studies [CIN]); Social Science Elective 3 History (HIS); Literature (LIT); Philosophy and Communication Elective\*\*\* COM. 3 Religion (PHR); Languages and Cultures (LAN). Free Elective‡ 2-4 • One or two courses (3-6 cr.) to be selected from 3-6 15-17 the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

#### **Specific Program Notes**

FREE ELECTIVES‡

**TOTAL CREDITS** 

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

Program: Liberal Arts - Communication Option

Degree: Associate in Arts

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

2-6

64-66

\*\*\*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.

Code: AA.LA.ECON **GENERAL EDUCATION REQUIREMENTS** 45-47 Communication 9 COM... COM100 Speech Communication or 3 COM102 Public Speaking WRT101 English Composition I 3 WRT201 English Composition II 3 **History Electives\*** 6 **Humanities Electives\*\*** 9 Three general education courses selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). **Social Sciences** 6 **ECO101 Macroeconomics ECO201 Microeconomics** 12-14 Mathematics, Natural Sciences, & Technology 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

Program: Liberal Arts - Economics Option

Degree: Associate in Arts

#### RECOMMENDED SEMESTER SEQUENCE

#### **First Semester**

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

#### **Second Semester**

ECO201	Microeconomics	3
HIS	History Elective*	3
MAT/CIS/ INF	Mathematics or Computer Science o Information Technology Elective*†	r 3-4
	or	
	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**

FREE ELECTIVES##

**TOTAL CREDITS** 

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

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).

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

2-6

64-66

\*\*\*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.

45-47

#### **GENERAL EDUCATION REQUIREMENTS**

#### Communication COM... COM100 Speech Communication or 3 COM102 Public Speaking 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 3 POL103 Modern Political Ideologies 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

T:==4	Compoter	
FIFSt	Semester	

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

RECOMMENDED SEMESTER SEQUENCE

#### **Second Semester**

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

#### **Third Semester**

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

#### Fourth Semester

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

#### **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

65-66

\*\*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.

Code: AA.LA.HIST **GENERAL EDUCATION REQUIREMENTS** 45-47 9 Communication COM... COM100 Speech Communication or 3 COM102 Public Speaking 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] 3 and not in Philosophy & Religion [PHR])\*\*\*\* 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).

Program: Liberal Arts - History Option

Degree: Associate in Arts

#### RECOMMENDED SEMESTER SEQUENCE

#### First Semester

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

#### **Second Semester**

0000	J.1.00101	
HIS,,,	History Core Survey*	3
HIS	History Elective	3
MAT/CIS/	Mathematics or Computer Science of	r
INF	Information Technology Elective**†	3-4
	or	
	Free Elective†	3
WRT201	English Composition II	3
	Humanities Elective	3
	(but not in History [HIS])***	
	Social Science Elective**‡	3
		18-19

#### **Third Semester**

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

Fourth S	Semester	
HIS	History Elective	3
	Natural Science Elective**	4
	Social Science Electives‡	6
	Free Elective‡‡	2-4
		15-17

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

#### Specific Program Notes

FREE ELECTIVES##

**TOTAL CREDITS** 

\*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.

2-6

64-66

\*\*\*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 COM COM100 Speech Communication or COM102 Public Speaking	<b>9</b> 3
WRT101 English Composition I WRT201 English Composition II	3 3
History HIS102 History of Western Civ since the Reformation HIS111 US History to Reconstruction	6 3 3
Humanities LAN231 or LAN228 LAN232 or LAN229 PHR111 Social & Political Philosophy	9 3 3 3
Social Sciences GEO101 World Geography POL102 International Relations	<b>6</b> 3 3
Mathematics, Natural Sciences, & Technology	12-14
Mathematics* Mathematics or Computer Science or Information Technology* Natural Science Electives*	3-4 0-3 8
Mathematics* Mathematics or Computer Science or Information Technology*	3-4 0-3
Mathematics* Mathematics or Computer Science or Information Technology* Natural Science Electives*  Diversity Course: HIS131 Latin American History since Independence  PROGRAM REQUIREMENTS	3-4 0-3 8 <b>3</b>
Mathematics* Mathematics or Computer Science or Information Technology* Natural Science Electives*  Diversity Course: HIS131 Latin American History since Independence  PROGRAM REQUIREMENTS ECO101 Macroeconomics	3-4 0-3 8 <b>3</b>
Mathematics* Mathematics or Computer Science or Information Technology* Natural Science Electives*  Diversity Course: HIS131 Latin American History since Independence  PROGRAM REQUIREMENTS	3-4 0-3 8 <b>3</b>
Mathematics* Mathematics or Computer Science or Information Technology* Natural Science Electives*  Diversity Course: HIS131 Latin American History since Independence  PROGRAM REQUIREMENTS ECO101 Macroeconomics  HIS130 Latin American History to Independence or HIS132 The Spanish Speaking Caribbean and Central America since 1898	3-4 0-3 8 3 15 3
Mathematics* Mathematics or Computer Science or Information Technology* Natural Science Electives*  Diversity Course: HIS131 Latin American History since Independence  PROGRAM REQUIREMENTS ECO101 Macroeconomics  HIS130 Latin American History to Independence or HIS132 The Spanish Speaking Caribbean and Central America since 1898 LAN233 Spanish Conversation	3-4 0-3 8 3 15 3
Mathematics* Mathematics or Computer Science or Information Technology* Natural Science Electives*  Diversity Course: HIS131 Latin American History since Independence  PROGRAM REQUIREMENTS ECO101 Macroeconomics  HIS130 Latin American History to Independence or HIS132 The Spanish Speaking Caribbean and Central America since 1898 LAN233 Spanish Conversation LIT223 Contemporary Latin American Literature	3-4 0-3 8 <b>3</b>
Mathematics* Mathematics or Computer Science or Information Technology* Natural Science Electives*  Diversity Course: HIS131 Latin American History since Independence  PROGRAM REQUIREMENTS ECO101 Macroeconomics  HIS130 Latin American History to Independence or HIS132 The Spanish Speaking Caribbean and Central America since 1898 LAN233 Spanish Conversation	3-4 0-3 8 3 15 3
Mathematics* Mathematics or Computer Science or Information Technology* Natural Science Electives*  Diversity Course: HIS131 Latin American History since Independence  PROGRAM REQUIREMENTS ECO101 Macroeconomics  HIS130 Latin American History to Independence or HIS132 The Spanish Speaking Caribbean and Central America since 1898 LAN233 Spanish Conversation  LIT223 Contemporary Latin American Literature or LAN236 Survey of Spanish-American Literature	3-4 0-3 8 3 15 3 3

#### **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	3
	since the Reformation	
PHR111	Social & Political Philosophy	3
MAT	Mathematics Elective*†	3-4
COM	COM100 Speech Communication	3
	or COM102 Public Speaking	
WRT101	English Composition I	3
		15-16

#### **Second Semester**

Second Se	illestel	
HIS111	US History to Reconstruction	3
POL102	International Relations	3
MAT/CIS/	Mathematics or Computer Science of	r
INF	Information Technology Elective*†	3-4
	or	
	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	3
	Independence	
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	3
	LAN236 Survey of Spanish-	
	American Literature	
		16

#### **Fourth Semester**

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

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

Program: Liberal Arts - Literature Option

Degree: Associate in Arts Code: AA.LA.LIT

#### RECOMMENDED SEMESTER SEQUENCE

#### **First Semester**

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

#### **Second Semester**

LIT	Literature Sequence Part I**	3
HIS	History Elective*	3
MAT/CIS/	Mathematics or Computer Science o	r
INF	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**

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**

FREE ELECTIVES‡‡

**TOTAL CREDITS** 

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

the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT)

\*\*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).

2-6

64-66

‡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	<b>9</b> 3
COM102 Public Speaking	
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

#### RECOMMENDED SEMESTER SEQUENCE

#### First Semester

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

#### **Second Semester**

PHR	Philosophy Elective**	3
HIS	History Elective*	3
MAT/CIS/ INF	Mathematics or Computer Science of Information Technology Elective*†	or 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	3
	Philosophy or Religion and not	
	In History)*	
	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

**TOTAL CREDITS** 

\*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).

64-66

‡General Education Diversity Course Elective – see page 1. Recommended: PHR106; PHR121; PHR122; PHR124; PHR125; or PHR126.

‡‡Recommended: IST123 Success 101 or another Philosophy course.

Code: AA.LA.POLISCI **GENERAL EDUCATION REQUIREMENTS** 45-47 Communication COM... COM100 Speech Communication or COM102 Public Speaking WRT101 English Composition I WRT201 English Composition II **History Electives\* Humanities Electives\*\*** 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** POL101 American Government POL107 Introduction to Politics 12-14 Mathematics, Natural Sciences, & Technology Mathematics\* 3-4 Mathematics or Computer Science or Information Technology\* 0 - 3Natural Science Electives\* **Diversity Elective**‡ PROGRAM REQUIREMENTS 15 Political Science Electives\*\*\* Humanities Electives - two courses to be selected from the following fields: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies

Program: Liberal Arts - Political Science Option

Degree: Associate in Arts

#### RECOMMENDED SEMESTER SEQUENCE

#### **First Semester**

9

3

3

3

6

9

6

8

3

9

6

2-6

64-66

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

#### **Second Semester**

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

#### **Third Semester**

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

#### **Fourth Semester**

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

#### **Specific Program Notes**

FREE ELECTIVES##

**TOTAL CREDITS** 

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

[CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

\*\*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.

Code: AA.LA.PSY **GENERAL EDUCATION REQUIREMENTS** 45-47 Communication 9 COM... COM100 Speech Communication or 3 COM102 Public Speaking WRT101 English Composition I 3 WRT201 English Composition II 3 **History Electives\*** 6 **Humanities Electives\*\*** 9 Three general education courses selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). **Social Sciences** 6 PSY101 General Psychology SOC101 Sociology 12-14 Mathematics, Natural Sciences, & Technology Mathematics\* 3-4 Mathematics or Computer Science or Information Technology\* 0 - 3Natural Science Electives\* 8 **Diversity Elective**‡ 3 **PROGRAM REQUIREMENTS** 15 PSY102 Introduction to Abnormal Psychology 3 Either PSY106 Developmental Psychology or 3 PSY201 Child Psychology 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

Program: Liberal Arts - Psychology Option

Degree: Associate in Arts

#### RECOMMENDED SEMESTER SEQUENCE

#### First Semester

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

#### **Second Semester**

SOC101	Sociology	3
HIS	History Elective*	3
MAT/CIS/ INF	Mathematics or Computer Science o Information Technology Elective*†	r 3-4
	or	
	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	3
	PSY201 Child Psychology	
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**

FREE ELECTIVES‡‡

**TOTAL CREDITS** 

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

[CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN).

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

2-6

64-66

\*\*\*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	3
COM102 Public Speaking	
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	3
and not in History)*	
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	3
	or COM102 Public Speaking	
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 of Information Technology Elective*†	or 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	3
	Philosophy or Religion and not	
	In History)*	
	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 Religion or Philosophy course.

Degree: Associate in Arts Code: AA.LA.SOC.SCI **GENERAL EDUCATION REQUIREMENTS** 45-47 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 Social Science Elective\* 3 COM102 Public Speaking **Humanities Elective\*\*** 3 WRT101 English Composition I MAT. 3 Mathematics Elective\*† 3-4 WRT201 English Composition II 3 COM... COM100 Speech Communication 3 or COM102 Public Speaking **History Electives\*** 6 **WRT101** English Composition I 3 15-16 **Humanities Electives\*\*** 9 Three general education courses selected from the following **Second Semester** fields, with no more than two courses in any one field: Social Science Elective\* 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema HIS History Elective\* 3 Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); MAT/CIS/ Mathematics or Computer Science or World Languages and Cultures (LAN). INF... Information Technology Elective\*† 3-4 Social Science Electives\* Free Elective† 6 3 Two general education courses selected from the following WRT201 English Composition II 3 Humanities Elective\*\* fields, with no more than one course in any one field: 3 Anthropology (ANT); Economics (ECO); Geography (GEO); Diversity Elective‡ 3 Political Science (POL); Psychology (PSY); Sociology (SOC). 18-19 Mathematics, Natural Sciences, & Technology 12-14 **Third Semester** Mathematics\* Social Science Electives\* 6 3-4 Mathematics or Computer Science or Information Technology\* 0-3 HIS. History Elective\* 3 Humanities Elective\*\* Natural Science Electives\* 3 8 Natural Science Elective\* 4 **Diversity Elective**‡ 3 16 **PROGRAM REQUIREMENTS** 15 **Fourth Semester** Social Science Elective\* 3 Natural Science Elective\* Social Science Electives - three courses, with no 9 4 More than one course in any one field: Anthropology Humanities Electives\*\*\* 6 (ANT); Economics (ECO); Geography (GEO); Political Free Electives‡‡ 2-4 15-17 Science (POL); Psychology (PSY); Sociology (SOC). 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).

#### Specific Program Notes

FREE ELECTIVES‡‡

**TOTAL CREDITS** 

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

Program: Liberal Arts - Social Sciences Option

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

2-6

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\*\*\*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.

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#### ASSOCIATE IN ARTS (A.A.) DEGREE **LIBERAL ARTS**

Code: AA.LA.SOC **GENERAL EDUCATION REQUIREMENTS** 45-47 RECOMMENDED SEMESTER SEQUENCE Communication 9 First Semester COM... COM100 Speech Communication or 3 SOC101 Sociology COM102 Public Speaking **Humanities Elective\*\*** WRT101 English Composition I 3 MAT.. Mathematics Elective\*† 3-4 WRT201 English Composition II 3 COM... COM100 Speech Communication or COM102 Public Speaking **History Electives\*** 6 **WRT101** English Composition I 15-16 **Humanities Electives\*\*** 9 Three general education courses selected from the following **Second Semester** fields, with no more than two courses in any one field: PSY101 General Psychology HIS.. Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema History Elective\* Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); MAT/CIS/ Mathematics or Computer Science or World Languages and Cultures (LAN). INF... Information Technology Elective\*† 3-4 Or **Social Sciences** 6 Free Elective† SOC101 Sociology WRT201 English Composition II Humanities Elective\*\* PSY101 General Psychology Diversity Elective‡ Mathematics, Natural Sciences, & Technology 12-14 18-19 Mathematics\* 3-4 Mathematics or Computer Science or Information Technology\* 0 - 3**Third Semester** Natural Science Electives\* Sociology Electives 8 SOC... HIS.. History Elective\* Humanities Elective\*\* **Diversity Elective**‡ 3 Natural Science Elective\* PROGRAM REQUIREMENTS 15 16 Sociology Electives 9 **Fourth Semester** SOC... Sociology Elective Humanities Electives - two courses to be 6 Natural Science Elective\* selected from the following fields: Arts (Art [ART], Humanities Electives\*\*\* Music [MUS], Theatre Arts [THR], Cinema Studies Free Electives‡‡ 2-4 15-17 [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). FREE ELECTIVES## 2-6

#### **Specific Program Notes**

**TOTAL CREDITS** 

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

Program: Liberal Arts - Sociology Option

Degree: Associate in Arts

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

64-66

\*\*\*Electives in Arts (ART, MUS,THR, CIN); History (HIS); Literature (LIT); Philosophy & Religion (PHR); or World Languages & Cultures (LAN).

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

‡General Education Diversity Course Elective - see page 1. Recommended: SOC120; SOC121; SOC122; ANT100; ANT101; PSY110; PSY207.

‡‡Recommended: IST123 Success 101 or another Sociology course.

Program: Liberal Arts – Women's Studies Option

Degree: Associate in Arts Code: AA.LA.WMST

GENERAL EDUCATION REQUIREMENTS	45-47
Communication	9
COM COM100 Speech Communication or COM102 Public Speaking	3
WRT101 English Composition I	3
WRT201 English Composition II	3
History	6
HIS105 Women in History	3
HIS116 Women in American History	3
Humanities Electives**	9
Three general education courses selected from the following	
fields, with no more than two courses in any one field:	
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema	
Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR);	
World Languages and Cultures (LAN).	
Social Sciences	6
PSY101 General Psychology	3
ANT101 Anthropology or SOC101 Sociology	3
Mathematics, Natural Sciences, & Technology	12-14
Mathematics*	3-4
Mathematics or Computer Science or Information Technology*	0-3
Natural Science Electives*	8
Diversity Course: CIN160 Women in Cinema	3
PROGRAM REQUIREMENTS	15
LIT228 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	3
	or COM102 Public Speaking	
WRT101	English Composition I	3
	ANT101 Anthropology or	3
	SOC101 Sociology	
	_	15-16

#### **Second Semester**

HIS116	Women in American History	3
PSY101	General Psychology	3
SOC120	Sociology of Gender Roles	3
MAT/CIS/	Mathematics or Computer Science of	or
INF	Information Technology Elective*†	3-4
	or	
	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	3
	(Spring offering only)	
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

6 3

#### 9 Communication COM... COM100 Speech Communication or 3 COM102 Public Speaking WRT101 English Composition I 3 WRT201 English Composition II 3 History Electives\*\* 6 Choose from HIS101, HIS102, HIS106, HIS107, HIS121, HIS 130; HIS131, HIS124, HIS126, HIS135, or HIS145.

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

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

Mathematics, Natural Science, & Technology*** Mathematics Mathematics or Computer Science or Information Technology	<b>12-14</b> 3-4 0-3
Natural Science Electives*	8
Diversity Course: ANT101 Introduction to Anthropology	3

PROGRAM REQUIREMENTS  LAN Electives*  Literature Elective (choose from  LIT203, LIT204, LIT223, or LIT224)	<b>15</b> 6 3
GEO101 World Geography SOC222 Ethnic & Minority Group Relations	3
FREE ELECTIVES‡	2-6

64-66

#### **First Semester**

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

#### **Second Semester**

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

#### **Third Semester**

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

#### **Fourth Semester**

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

#### **Specific Program Notes**

\*World Language Electives: Students must complete either four semesters of the same World Language or two semesters each of two different World Languages.

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

\*\*\*General Education Electives - see page 1

\*\*\*\*General Education Electives in Arts (ART, MUS,THR, CIN); Literature (LIT); or Philosophy & Religion (PHR) – see page 1. \*\*\*\*\*General Education Electives in Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Anthropology (ANT) - see page 1.

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

‡Recommended: IST123 Success 101

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

#### **Curriculum Requirements**

Program: Fine and Performing Arts - General Curriculum

Degree: Associate in Arts Code: AA.FPA.GEN

Area of Study	Credits	Course Description
•		WRT101 English Composition I (3 cr.)
Communication	9	WRT201 English Composition II (3 cr.)
1.0.4		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	

<sup>\*</sup>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.

15-17

Degree: Associate in Arts Code: AA.FPA.GEN **GENERAL EDUCATION REQUIREMENTS** 45-47 RECOMMENDED SEMESTER SEQUENCE Communication 9 COM... COM100 Speech Communication or 3 History Elective\* 3 HIS. COM102 Public Speaking Humanities Elective\*\* 3 WRT101 English Composition I 3 MAT... Mathematics Elective\*† 3-4 WRT201 English Composition II 3 COM... COM100 Speech Communication 3 or COM102 Public Speaking WRT101 **History Electives\*** 6 3 English Composition I 15-16 **Humanities Electives\*\*** 9 Three general education courses selected from the following **Second Semester** fields, with no more than two courses in any one field: History Elective\* 3 HIS... Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Humanities Elective\*\* 3 Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); MAT/CIS/ Mathematics or Computer Science or World Languages and Cultures (LAN). INF... Information Technology Elective\*† 3-4 or Social Science Electives\* 6 Free Elective† WRT201 English Composition II Two general education courses selected from the following 3 fields, with no more than one course in any one field: Social Science Elective\* 3 Economics (ECO); Geography (GEO); Political Science (POL); Diversity Elective\* 3 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). 18-19 Mathematics, Natural Sciences, & Technology 12-14 **Third Semester** Humanities Elective\*\* Mathematics\* 3 3-4 Mathematics or Computer Science or Information Technology\* 0-3 Natural Science Elective\* 4 Natural Science Electives\* 8 Social Science Elective\* 3 Program Requirement\*\*\* 3 Program Requirement\*\*\* **Diversity Elective\*** 3 3 . . . . . . 16 **PROGRAM REQUIREMENTS** 14-16 Courses in the Arts (Art [ART], Music [MUS], **Fourth Semester** Theatre Arts [THR], Cinema Studies [CIN]). To be Natural Science Elective\* 4 assigned in accordance with the needs of the program. Program Requirement\*\*\* 3 Program Requirement\*\*\* 3 **FREE ELECTIVES**‡ 2-6 Program Requirement\*\* 3 Free Elective‡ 2-4

#### **Specific Program Notes**

**TOTAL CREDITS** 

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

Program: Fine and Performing Arts - General Curriculum

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

64-66

\*\*\*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.

Code: AA.FPA.ART **GENERAL EDUCATION REQUIREMENTS** 45-47 Communication 9 COM... COM100 Speech Communication or 3 COM102 Public Speaking WRT101 English Composition I 3 WRT201 English Composition II 3 **History Electives\*** 6 **Humanities Electives\*\*** 9 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 0-3 Mathematics or Computer Science or Information Technology\* 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

Program: Fine and Performing Arts - Art Option

Degree: Associate in Arts

#### 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	3
	or COM102 Public Speaking	
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 o Information Technology Elective*†	r 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

**TOTAL CREDITS** 

\*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).

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‡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.

Cinema Studies Elective‡

Natural Science Elective\*

**Humanities Elective\*\*** 

Free Elective‡‡

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Program: Fine and Performing Arts - Cinema Studies Option Degree: Associate in Arts Code: AA.FPA.CINST **GENERAL EDUCATION REQUIREMENTS** 45-47 RECOMMENDED SEMESTER SEQUENCE Communication 9 introduction to Cinema COM... COM100 Speech Communication or 3 CIN140 3 COM102 Public Speaking History Elective\* HIS... 3 WRT101 English Composition I 3 MAT... Mathematics Elective\*† 3-4 WRT201 English Composition II 3 COM... COM100 Speech Communication 3 or COM102 Public Speaking **History Electives\*** 6 WRT101 3 English Composition I 15-16 **Humanities Electives\*\*** 9 **Second Semester** CIN140 Introduction to Cinema 3 Special Topics in Cinema I General Education Humanities course (but not in 3 CIN150 3 History [HIS]).\*\* Humanities Elective\*\* 3 General Education Humanities course (but not in 3 MAT/CIS/ Mathematics or Computer Science or History [HIS] & not in the Arts [ART, MUS,THR, CIN]).\*\*\* Information Technology Elective\*† INF... 3-4 or Social Science Electives\* Free Elective† 6 WRT201 English Composition II Two general education courses selected from the following 3 fields, with no more than one course in any one field: Social Science Elective\* 3 Economics (ECO); Geography (GEO); Political Science (POL); Diversity Elective\* Psychology (PSY); Sociology (SOC) and Anthropology (ANT). 18-19 Mathematics, Natural Sciences, & Technology 12-14 **Third Semester** Women in Cinema Mathematics\* C160 3 3-4 Mathematics or Computer Science or Information Technology\* 0-3 CIN170 American Cinema 3 Natural Science Electives\* 8 Natural Science Elective\* 4 Social Science Elective\* 3 **Diversity Elective\*** 3 HIS... History Elective\* 3 16 **PROGRAM REQUIREMENTS** 15 CIN150 Special Topics in Cinema I 3 **Fourth Semester** Special Topics in Cinema II CIN120 Special Topics in Cinema II 3 CIN150 3

#### **Specific Program Notes**

CIN160 Women in Cinema

CIN170 American Cinema

FREE ELECTIVES‡‡

**TOTAL CREDITS** 

CIN... Cinema Studies Elective #

\*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.

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\*\*\*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.

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Program: Fine and Performing Arts - Music Option Degree: Associate in Arts Code: AA.FPA.MUSC **GENERAL EDUCATION REQUIREMENTS** 45-47 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** Class Piano I COM... COM100 Speech Communication or 3 MUS131 COM102 Public Speaking MUA1... Applied Music I WRT101 English Composition I 3 Performance Ensembles I MUS1... WRT201 English Composition II MAT... 3 Mathematics Elective\*† COM100 Speech Communication COM... or COM102 Public Speaking **History Electives\*** 6 WRT101 English Composition I **Humanities Electives\*\*** 9 Humanities Elective\*\* 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 **Second Semester** Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); MUS231 Class Piano II World Languages and Cultures (LAN). MUA2... Applied Music II MUS2... Performance Ensembles II Social Science Electives\* 6 Humanities Elective\*\* Two general education courses selected from the following MAT/CIS/ Mathematics or Computer Science or fields, with no more than one course in any one field: INF... Information Technology Elective\*† Economics (ECO); Geography (GEO); Political Science (POL); or Psychology (PSY); Sociology (SOC) and Anthropology (ANT). Free Elective† English Composition II WRT201 Mathematics, Natural Sciences, & Technology 12-14 Diversity Elective\*

Mathematics*	3-4
Mathematics or Computer Science or Information Technology*	0-3
Natural Science Electives*	8
	_
Diversity Elective*	3
Diversity Liective	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
	_

#### **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**

**FREE ELECTIVES**‡

**TOTAL CREDITS** 

\*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.

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†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.

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

Degree: Associate in Arts Code: AA.FPA.THTR **GENERAL EDUCATION REQUIREMENTS** 45-47 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 THR110 **Basic Acting Techniques** 3 COM102 Public Speaking THR131 Intro to Stagecraft & Lighting 3 WRT101 English Composition I Mathematics Elective\*† 3 MAT... 3-4 WRT201 English Composition II COM100 Speech Communication 3 COM... 3 or COM102 Public Speaking **History Electives\*** 6 WRT101 3 English Composition I 15-16 **Humanities Electives\*\*** 9 Three general education courses selected from the following Second Semester fields, with no more than two courses in any one field: THR120 Stage Makeup Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Movement for the Performing Artist THR113 2 Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). **THR220** Scene Study 3 or Social Science Electives\* 6 DAN/THR124 Dance Appreciation 3 Two general education courses selected from the following or fields, with no more than one course in any one field: **THR231** Stage Electrics 3 Economics (ECO); Geography (GEO); Political Science (POL); MAT/CIS/ Mathematics or Computer Science or Psychology (PSY); Sociology (SOC) and Anthropology (ANT). INF... Information Technology Elective\*† 3-4 or Mathematics, Natural Sciences, & Technology 12-14 Free Elective† 3 WRT201 **English Composition II** Mathematics\* 3-4 3 Mathematics or Computer Science or Information Technology\* Humanities Elective\*\* 0-3 3 Natural Science Electives\* 8 Social Science Elective 3 15-17 **Diversity Elective\*** 3 **Third Semester** PROGRAM REQUIREMENTS THR214 **Audition Techniques** 2 14-16 THR110 Basic Acting Techniques 3 THR120 Stage Makeup **THR217** Theatre Performance & Production 2 1 THR131Intro. to Stagecraft & Lighting 3 or THR113 Movement for the Performing Artist 2 **THR232** Stage Management 1 or THR220 Scene Study 3 DAN... Dance Technique Class\*\*\* 1-2 History Elective\* HIS.. 3 DAN124/THR124 Dance Appreciation 3 Humanities Electives\*' 6 Natural Science Elective\* 4 or . . . . . . Social Science Elective\* THR231 Stage Electrics 3 3 THR214 **Audition Techniques** 2 18 THR217 Theatre Performance & Production 2 **Fourth Semester** THR215 Directing for the Stage 3 or THR232 Stage Management 1 Theatre Production Workshop **THR216** 4 DAN... Dance Technique Class\*\*\* 1-2 HIS... History Elective\* 3 THR215 Directing for the Stage Natural Science Elective\* 4 4 Diversity Elective\* 3 Free Elective± THR216 Theatre Production Workshop 3 2-4 15-18 **FREE ELECTIVES**‡ 2-6 Specific Program Notes

Program: Fine and Performing Arts – General Theatre Arts Option

#### Specific Program Notes, continued

**TOTAL CREDITS** 

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<sup>\*\*</sup>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

<sup>\*</sup>Dance Technique Classes – DAN102 Ballet; DAN103 Modern; DAN104 Tap; DAN105 Jazz; DAN108 Improvisation.

<sup>†</sup>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.

Code: AA.FPA.THTR.ACT **GENERAL EDUCATION REQUIREMENTS** 45-47 Communication 9 COM... COM100 Speech Communication or 3 COM102 Public Speaking WRT101 English Composition I 3 WRT201 English Composition II 3 **History Electives\*** 6 **Humanities Electives\*\*** 9 Three general education courses selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). Social Science Electives\* 6 Two general education courses selected from the following fields, with no more than one course in any one field: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). Mathematics, Natural Sciences, & Technology 12-14 Mathematics\* 3-4 Mathematics or Computer Science or Information Technology\* 0-3 Natural Science Electives\* 8 **Diversity Elective\*** 3 PROGRAM REQUIREMENTS 14-16 THR110 Basic Acting Techniques 3 THR120 Stage Makeup 1 THR131Intro. to Stagecraft & Lighting 3 THR113 Movement for the Performing Artist 2 THR220 Scene Study THR214 Audition Techniques 2 THR217 Theatre Performance & Production 2 or **THR232** 1 Stage Management or Dance Technique Class\*\*\* DAN. 1-2 THR215 Directing for the Stage 4 THR216 Theatre Production Workshop 3

Program: Fine and Performing Arts - Acting Option

Degree: Associate in Arts

#### 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	3
	or COM102 Public Speaking	
WRT101	English Composition I	3
	Humanities Elective**	3
		18-19

#### **Second Semester**

lei
rement for the Performing Artist 2
or
ne Study 3
hematics or Computer Science or
rmation Technology Elective*† 3-4
or
e Elective† 3
lish Composition II 3
nanities Elective** 3
ial 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

**FREE ELECTIVES**‡

**TOTAL CREDITS** 

\*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.

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\*\*\*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 3 COM102 Public Speaking WRT101 English Composition I 3 WRT201 English Composition II 3 **History Electives\*** 6 **Humanities Electives\*\*** 9 Three general education courses selected from the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). Social Science Electives\* 6 Two general education courses selected from the following fields, with no more than one course in any one field: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT).

Mathematics, Natural Sciences, & Technology Mathematics*	<b>12-14</b> 3-4
Mathematics or Computer Science or Information Technology* Natural Science Electives*	0-3 8
Diversity Floative*	2
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

#### RECOMMENDED SEMESTER SEQUENCE

#### First Semester

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

#### **Second Semester**

0000114 00		
THR113	Movement for the Performing Artist	2
THR120	Stage Makeup	1
DAN103	Modern Dance	1
MAT/CIS/	Mathematics or Computer Science of	r
INF	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**

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	1	
DAN/THR	3	
HIS History Elective*		3
	•	
	Natural Science Elective*	4
	Social Science Elective*	3
	Free Elective‡	2-4
		16-18

#### **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

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\*\*\*Offered only in spring semesters.

\*\*\*\*Offered only every other spring semester (even-numbered years).

†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.

Free Elective‡

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Program: Fine and Performing Arts – Technical Theatre Production Option Degree: Associate in Arts Code: AA.FPA.THTR.TECH **GENERAL EDUCATION REQUIREMENTS** 45-47 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 THR110 **Basic Acting Techniques** 3 COM102 Public Speaking THR131 Intro to Stagecraft & Lighting 3 WRT101 English Composition I COM100 Speech Communication 3 COM... 3 or COM102 Public Speaking WRT201 English Composition II 3 MAT Mathematics Elective\*† 3-4 **History Electives\*** 6 English Composition I **WRT101** 3 15-16 **Humanities Electives\*\*** 9 Three general education courses selected from the following Second Semester fields, with no more than two courses in any one field: THR120 Stage Makeup Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema THR231 Stage Electrics 3 Studies [CIN]); Literature (LIT); Philosophy and Religion (PHR); MAT/CIS/ Mathematics or Computer Science or World Languages and Cultures (LAN). INF... Information Technology Elective\*† 3-4 or Social Science Electives\* 6 Free Elective† WRT201 English Composition II Two general education courses selected from the following 3 fields, with no more than one course in any one field: Humanities Elective\*\* 3 Economics (ECO); Geography (GEO); Political Science (POL); Social Science Elective\* Psychology (PSY); Sociology (SOC) and Anthropology (ANT). 16-17 Mathematics, Natural Sciences, & Technology 12-14 Third Semester Mathematics\* Theatre Performance & Production 2 3-4 THR217 Mathematics or Computer Science or Information Technology's 0-3 Natural Science Electives\* Stage Management THR232 8 HIS. History Elective\* 3 **Diversity Elective\*** 3 **Humanities Electives** 6 Natural Science Elective\* 4 **PROGRAM REQUIREMENTS** Diversity Elective\* 14-16 3 THR110 Basic Acting Techniques 3 17-18 THR120 Stage Makeup 1 THR131Intro. to Stagecraft & Lighting 3 **Fourth Semester** THR231 Stage Electrics 3 Directing for the Stage\*\*\* 3 THR215 THR215 Directing for the Stage\*\*\* 4 THR216 Theatre Production Workshop\*\*\*\* 4 THR216 Theatre Production Workshop\*\*\*\* HIS. History Elective\* 3 THR217 Theatre Performance & Production Natural Science Elective\* 4 Social Science Elective' 3

#### Specific Program Notes

**FREE ELECTIVES**‡

**TOTAL CREDITS** 

THR232 Stage Management

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

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\*\*\*Offered only in spring semesters, even-numbered years.

†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.

<sup>\*\*</sup>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.

<sup>\*\*\*\*</sup>Offered only in spring semesters, odd-numbered years.

# 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 Science

Code: AS.NSM.GEN

Area of Study	Credits	Course Description
7 ii ou oi oiuuy	Oround	WRT101 English Composition I (3 cr.)
Communication	9	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])  History HIS)  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	

<sup>\*</sup>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 RECOMMENDED SEMESTER SEQUENCE Communication 9 COM... COM100 Speech Communication or 3 Mathematics Elective\*† 4 MAT. COM102 Public Speaking Natural Sciences Elective\* 4 WRT101 English Composition I COM... 3 COM100 Speech Communication 3 WRT201 English Composition II or COM102 Public Speaking 3 WRT101 English Composition I 3 **Humanities Electives\*** 6 3 **Humanities Elective\*** Two general education courses selected from the following 17 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Second Semester MAT/CIS/...Mathematics, Computer Science, Studies [CIN]); History (HIS); Literature (LIT); Philosophy and 4 Religion (PHR); World Languages and Cultures (LAN). INF.. or Information Technology Elective\*† Natural Sciences Elective\* 4 Social Science Elective\* 3 WRT201 English Composition II 3 One general education course selected from the following **Humanities Elective\*** 3 fields: Economics (ECO); Geography (GEO); Political Social Science Elective\* 3 Science (POL); Psychology (PSY); Sociology (SOC) and 17 Anthropology (ANT). **Third Semester** Mathematics, Natural Sciences, and Technology 12 Natural Science Electives Mathematics\* and/or 4 Mathematics or Computer Science or Information Technology\* 0-4 MAT... Mathematics Electives 8 Natural Science Electives\* 4-8 and/or CIS.. Computer Science Electives Humanities Elective\* PROGRAM REQUIREMENTS 22-24 3 Social Science Elective PROGRAM SUPPORT REQUIREMENTS 9 Two general education courses\* to be selected 6 from the following fields, with no more than one **Fourth Semester** In any one field: Arts (Art [ART], Music [MUS], Natural Science Electives Theatre Arts [THR], Cinema Studies [CIN]); and/or History (HIS); Literature (LIT); Philosophy and MAT... **Mathematics Electives** 10-12 Religion (PHR); World Languages and Cultures (LAN). and/or CIS. Computer Science Electives One general education course\* to be selected 3 Humanities Elective\* 3 from the following fields: Economics (ECO); Free Elective ## Geography (GEO); Political Science (POL); 16-18 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). FREE ELECTIVE‡‡ 3

#### **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

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

Free Elective‡

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Degree: Associate in Science Code: AS.NSM.AVT.OPR **GENERAL EDUCATION REQUIREMENTS** 30 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 COM... COM100 Speech Communication 3 COM102 Public Speaking or COM102 Public Speaking WRT101 English Composition I 3 HIS101 History of Western Civ. to the WRT201 English Composition II 3 Reformation 3 **Humanities** HIS102 History of Western Civ. since the 6 HIS101 History of Western Civ. to the Reformation Reformation 3 MAT150 Statistics I 3 HIS102 History of Western Civ. since the Reformation PHY186 General Physics I 4 WRT101 English Composition I 3 LIT201 American Literature to 1880 3 16 LIT202 American Literature to the Present **Second Semester** Social Science: ECO101 Macroeconomics 3 AVT100 Introduction to Aeronautics 3 ECO101 Macroeconomics 3 Mathematics Elective\* Mathematics, Natural Science, and Technology 12 MAT... 4 General Physics II MAT... Mathematics Elective\* PHY286 4 4 PHY186 General Physics I WRT201 English Composition II 4 3 PHY286 General Physics II 4 17 **PROGRAM REQUIREMENTS** 24 **Third Semester** Aviation Safety 3 **AVT100 Introduction to Aeronautics** AVT240 3 **AVT115 Aviation Meteorology** LIT201 American Literature to 1880 1 **AVT240 Aviation Safety** 3 3 MAT150 Statistics I 3 LIT202 American Lit 1880 to the Present MAT... Mathematics Elective\* 4 MAT... Mathematics Elective\* 4 PHY114 Meteorology POL101 3 4 American Government WRT202 Technical Writing 3 WRT202 **Technical Writing** 3 Approved Elective† 3 16 PROGRAM SUPPORT REQUIREMENTS 9 **Fourth Semester** LIT203 World Literature to 1650 AVT115 Aviation Meteorology 1 3 LIT203 World Literature to 1650 LIT204 World Literature 1650 to the Present 3 or POL101 American Government 3 LIT204 World Literature 1650 to the Present Meteorology ..... Humanities Elective' 3 PHY114 4 Approved Elective† 3 Humanities Elective\* 3 FREE ELECTIVE‡ 3

#### Specific Program Notes

**TOTAL CREDITS** 

\*General Education Elective(s) – see page 1. MAT180 and MAT280 are strongly recommended.

Program: Natural Sciences or Mathematics - Aircraft Operations Option

†A Humanities, Social Science, or AVT elective is strongly recommended for students planning to transfer to Vaughn College of Aeronautics and Technology.

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‡Recommended: IST123 Success 101.

Program: Natural Sciences or Mathematics – Biology Opti Degree: Associate in Science Code: AS.NSM.BIO	on	
GENERAL EDUCATION REQUIREMENTS	30	RECOMMENDED SEMESTER SEQUENCE
Communication	9	First Semester
COM COM100 Speech Communication or	3	BIO101 General Biology I 4
COM102 Public Speaking		CHM140 General Chemistry I* 3
WRT101 English Composition I	3	CHM141 General Chemistry I Laboratory 1
WRT201 English Composition II	3	MAT180 Precalculus 4
=• . =g •p	_	WRT101 English Composition I 3
Humanities Electives**	6	15
Two general education courses selected from the following	•	
fields, with no more than one course in any one field:		Second Semester
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema		BIO203 General Biology II 4
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and		CHM240 General Chemistry II 3
Religion (PHR); World Languages and Cultures (LAN).		CHM241 General Chemistry II Laboratory 1
rtongion (i rint), vvona Eangaageo ana Oataroo (Ernt).		MAT150 Statistics I 3
Social Science Elective**	3	or
One general education course selected from the following	·	MAT280 Calculus I 4
fields: Economics (ECO); Geography (GEO); Political		WRT201 English Composition II 3
Science (POL); Psychology (PSY); Sociology (SOC) and		Humanities Elective** 3
Anthropology (ANT).		17-18
Antinopology (Aivi).		17-10
Mathematics, Natural Sciences, and Technology	12	Third Semester
MAT180 Precalculus	4	BIO Biology Elective*** 4
CHM140 General Chemistry I	3	Natural Science Elective
CHM141 General Chemistry I Laboratory	1	or 4
Natural Science Elective**	<u> </u>	MAT/CIS Mathematics or Computer
or	4	Science Elective**
MAT/CIS Math or Computer Science Elective**	7	11 12 EL 2 44
WATTOIO Wattroi Computer Science Elective		0 : 10 :
		Social Science Elective <sup>^</sup> 3 Free Elective <sup>‡</sup> 3
PROGRAM REQUIREMENTS	23-24	17 1766 Elective
BIO101 General Biology I	4	17
BIO203 General Biology II	4	Fourth Semester
BIO Biology Electives†	8	BIO Biology Elective*** 4
CHM240 General Chemistry II	3	COM COM100 Speech Communication 3
CHM241 General Chemistry II Laboratory	1	or COM102 Public Speaking
MAT150 Statistics I	3	Humanities Electives** 6
Or	3	Operation Colored Florida **
MAT280 Calculus I	4	Social Science Elective 3
WAT200 Galculus I		10
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]);		Specific Program Notes
History (HIS); Literature (LIT); Philosophy and		*If a student needs to complete CHM100 Introduction
Religion (PHR); World Languages and Cultures (LAN).		to Chemistry before registering for CHM140 General
- 5 - (· · · · · ), · · · · · · · · · · · · · ·		Chemistry I, CHM100 can be used as the Natural
One general education course** to be selected	3	Science Elective in the third semester.
from the following fields: Economics (ECO);	-	**General Education Elective(s) – see page 1.
Geography (GEO); Political Science (POL);		***Students must choose among the following
Psychology (PSY); Sociology (SOC) and		courses: BIO201, BIO202, BIO225, BIO227, BIO228,
Anthropology (ANT).		or BIO229.
. 57 ( )		‡Recommended: IST123 Success 101; or WEX101
FREE ELECTIVE‡	3	(2 cr.) and a WEX experience course (1 cr.): WEX111,
•		WEX114, WEX115, WEX116, or WEX118; or a
TOTAL CREDITS	65-66	general education elective.

Code: AS.NSM.BIO.TECH **GENERAL EDUCATION REQUIREMENTS** 30 RECOMMENDED SEMESTER SEQUENCE Communication 9 COM... COM100 Speech Communication or 3 BIO101 General Biology I 4 COM102 Public Speaking CHM140 General Chemistry I 3 WRT101 English Composition I 3 General Chemistry I Laboratory CHM141 1 WRT201 English Composition II 3 WRT101 English Composition I 3 Humanities Elective\* 3 **Humanities Electives\*** 6 Social Science Elective\* 3 Two general education courses selected from the following 17 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy and BIO203 General Biology II 4 Religion (PHR); World Languages and Cultures (LAN). CHM240 General Chemistry II 3 CHM241 General Chemistry II Laboratory 1 Social Science Elective\* 3 MAT150 Statistics I 3 One general education course selected from the following WRT201 English Composition II 3 fields: Economics (ECO); Geography (GEO); Political Humanities Elective\* 3 Science (POL); Psychology (PSY); Sociology (SOC) and 17 Anthropology (ANT). Third Semester Mathematics, Natural Sciences, and Technology BIO210 Introduction to Biotechnology 12 4 MAT180 MAT180 Precalculus Precalculus 4 6 CHM140 General Chemistry I 3 **Humanities Electives\*** . . . . . . CHM141 General Chemistry I Laboratory Social Science Elective\* 3 1 CHM240 General Chemistry II 3 17 CHM241 General Chemistry II Laboratory 1 Fourth Semester Introduction to Bioinfomatics BIO211 4 PROGRAM REQUIREMENTS 23 MAT280 Calculus I 4 BIO101 General Biology I COM... COM100 Speech Communication 3 4 or COM102 Public Speaking BIO203 General Biology II 4 BIO210 Introduction to Biotechnology Free Elective\*\* 4 3 **BIO211 Introduction to Bioinfomatics** 4 14 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

Program: Natural Sciences or Mathematics - Biotechnology Option

Degree: Associate in Science

## Specific Program Notes

<sup>\*</sup>General Education Elective(s) - see page 1.

<sup>\*\*</sup>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.

Code: AS.NSM.CHM **GENERAL EDUCATION REQUIREMENTS** 30 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 CHM140 General Chemistry I† 3 COM102 Public Speaking CHM141 General Chemistry I Laboratory 1 WRT101 English Composition I Precalculus 4 3 MAT180 WRT201 English Composition II 3 COM... COM100 Speech Communication 3 or COM102 Public Speaking WRT101 3 **Humanities Electives\*** 6 English Composition I Two general education courses selected from the following Humanities Elective\* 3 fields, with no more than one course in any one field: 17 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and **Second Semester** General Chemistry II Religion (PHR); World Languages and Cultures (LAN). 3 CHM240 CHM241 General Chemistry II Laboratory 1 Social Science Elective\* MAT280 4 3 Calculus I One general education course selected from the following WRT201 English Composition II 3 fields: Economics (ECO); Geography (GEO); Political Humanities Elective\* 3 Science (POL); Psychology (PSY); Sociology (SOC) and Free Elective‡ 3 Anthropology (ANT). 17 Mathematics, Natural Sciences, and Technology 12 Third Semester MAT180 Precalculus Organic Chemistry I 4 CHM260 4 MAT280 Calculus I 4 MAT281 Calculus II 4 CHM140 General Chemistry I† 3 PHY280 Physics I 4 Social Science Elective\* 3 CHM141 General Chemistry I Laboratory 1 15 PROGRAM REQUIREMENTS 24 CHM240 General Chemistry II 3 **Fourth Semester** Organic Chemistry II CHM241 General Chemistry II Laboratory 1 CHM262 4 CHM260 Organic Chemistry I 4 PHY290 Physics II 4 CHM262 Organic Chemistry II Humanities Electives' 4 6 MAT281 Calculus II Social Science Elective\* 4 3 PHY280 Physics I 4 17 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

## **Specific Program Notes**

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

Program: Natural Sciences or Mathematics - Chemistry Option

Degree: Associate in Science

†CHM140 has a pre-requisite of CHM100 Introduction to Chemistry. The Testing Center offers a Proficiency Exam to bypass this pre-requisite. The exam is administered by appointment.

‡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.

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**GENERAL EDUCATION REQUIREMENTS** 30 RECOMMENDED SEMESTER SEQUENCE Communication 9 Fundamentals of Programming COM... COM100 Speech Communication or 3 **CIS165** COM102 Public Speaking MAT280 Calculus I WRT101 English Composition I COM100 Speech Communication 3 COM... WRT201 English Composition II 3 or COM102 Public Speaking **WRT101** English Composition I **Humanities Electives\*** 6 PHR103 Basic Logic 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 Second Semester Advanced Programming Concepts Studies [CIN]); History (HIS); Literature (LIT); Philosophy and CIS265 Religion (PHR); World Languages and Cultures (LAN). CIS271 Computer Org. & Assembly Lang MAT281 Calculus II Social Science Elective\* WRT201 3 **English Composition II** One general education course selected from the following Humanities Elective\*† fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). Third Semester CIS277 Data Structures & Algorithms Mathematics, Natural Sciences, and Technology 12 CIS288 Discrete Math for Computer Science MAT280 Calculus I PHY280 Physics I\*\* 4 Humanities Elective\*† Natural Science Electives\* 8 Social Science Elective\*‡ **PROGRAM REQUIREMENTS** 22-24 CIS165 Fundamentals of Programming 3 CIS265 Advanced Programming Concepts 3 **Fourth Semester** CIS271 Computer Org. & Assembly Lang. CIS/MAT Computer Sci or Math Elective\*\*\* 3 CIS277 Data Structures & Algorithms 3 PHY290 Physics II\*\* CIS288 Discrete Math for Comp. Sci. Social Science Elective\*‡ 4 Humanities Elective\*† MAT281 Calculus II 4 CIS/MAT Computer Sci. or Math Elective 3-4 Free Elective ‡‡ PROGRAM SUPPORT REQUIREMENTS 9 PHR103 Basic Logic 3 One general education course to be selected from 3 the following fields: Arts (Art[ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); 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

## **Specific Program Notes**

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

‡Recommended: ECO101 Macroeconomics or PSY101 General Psychology.

Program: Natural Sciences or Mathematics - Computer Science Option

Degree: Associate in Science Code: AS.NSM.COMP.SCI

<sup>\*\*</sup>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.

<sup>\*\*\*</sup>Choose one of the following: CIS289, CIS287, C1S278, C1S266, MAT282, MAT283, MAT286; PHY291.

<sup>†</sup>Recommended: PHR203 Intermediate Logic.

<sup>‡‡</sup>One of the following is recommended: IST123 Success 101, CIS289, CIS256, CIS278, CIS287, MAT282, MAT286, PHY291.

Degree: Associate in Science Code: AS.NSM.MATH **GENERAL EDUCATION REQUIREMENTS** 30 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 MAT280 Calculus I 4 COM102 Public Speaking PHR103 Basic Logic 3 WRT101 English Composition I 3 COM... COM100 Speech Communication 3 WRT201 English Composition II or COM102 Public Speaking 3 WRT101 English Composition I 3 **Humanities Electives\*** 6 Natural Science Elective\*† 4 Two general education courses selected from the following 17 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy and MAT281 Calculus II 4 Religion (PHR); World Languages and Cultures (LAN). WRT201 English Composition II 3 ECO101 3 Macroeconomics Social Science Elective\* 3 **Humanities Elective\*** 3 One general education course selected from the following Natural Science Elective\*† 4 fields: Economics (ECO); Geography (GEO); Political 17 Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). Third Semester MAT282 Calculus III 4 Mathematics, Natural Science, and Technology 12 MAT286 Linear Algebra 4 MAT280 Calculus I 4 **Humanities Elective\*** 3 MAT281 Calculus II 4 Mathematics or Natural Science 3-4 Natural Science Elective\* 4 Elective‡ 14-15 **PROGRAM REQUIREMENTS** 22-24 MAT282 Calculus III **Fourth Semester** Differential Equations MAT283 Differential Equations 4 MAT283 4 MAT286 Linear Algebra Mathematics or Natural 3-4 4 Mathematics or Natural Science Electives\*\*\* 6-8 Science Elective‡ Social Science Elective\* Natural Science Elective\* 3 4 Humanities Elective‡‡ 3 PROGRAM SUPPORT REQUIREMENTS 9 Free Elective ### 3 16-17 PHR103 Basic Logic 3 **ECO101 Macroeconomics** 3 One general education course to be selected from 3 the following fields: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); World languages and Cultures (LAN). FREE ELECTIVE ### 3 **TOTAL CREDITS** 64-66

## **Specific Program Notes**

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

Program: Natural Sciences or Mathematics - Mathematics Option

†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, 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.

Degree: Associate in Science Code: AS.NSM.PHYSC **GENERAL EDUCATION REQUIREMENTS** 30 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 MAT280 Calculus I 4 COM102 Public Speaking PHY280 4 Physics I WRT101 English Composition I COM100 Speech Communication 3 COM... 3 or COM102 Public Speaking WRT201 English Composition II 3 WRT101 English Composition I 3 3 **Humanities Electives\*** 6 Social Science Elective' Two general education courses selected from the following 17 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy and MAT281 Calculus II 4 Religion (PHR); World Languages and Cultures (LAN). PHY290 Physics II 4 WRT201 English Composition II 3 Social Science Elective\* Humanities Elective\* 3 3 One general education course selected from the following Free Elective\*\* 3 fields: Economics (ECO); Geography (GEO); Political 17 Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). Third Semester MAT282 Calculus III 4 Mathematics, Natural Science, and Technology PHY291 Physics III† 4 12 MAT280 Calculus I Humanities Elective 3 4 MAT281 Calculus II 4 Natural Science Elective\*\*\* 4 PHY280 Physics I 4 15 **PROGRAM REQUIREMENTS** 24 **Fourth Semester** PHY290 Physics II 4 PHY294 **Engineering Mechanics**‡ 4 PHY291 Physics III† Natural Science Elective\*\* 4 4 PHY294 Engineering Mechanics‡ 4 Humanities Elective\* 6 MAT282 Calculus III 4 Social Science Elective\* Natural Science Elective\*\*\* 4 17 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

## **Specific Program Notes**

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

Program: Natural Sciences or Mathematics - Physics Option

<sup>\*\*</sup>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.

<sup>†</sup>Offered only in fall semesters.

<sup>‡</sup>Offered only in spring semesters.

# **AS Degree Program in Engineering Science**

## **Curriculum Requirements**

Program: Engineering Science Degree: Associate in Science

Code: AS.ENGIN.SCI

Area of Study	Credits	Course Description
Alea of Study	Credits	WRT101 English Composition I (3 cr.)
Communication	9	WRT201 English Composition II (3 cr.)
Communication	9	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]) History (HIS) Literature (LIT) Philosophy and Religion (PHR) World Languages and Cultures (LAN)
Social Sciences	3	One general education course (3 cr.) to be selected from the following fields: Economics (ECO) Geography (GEO) Political Science (POL) Psychology (PSY) Sociology (SOC) and Anthropology (ANT)
Mathematics and Natural Sciences	12*	One or two 4-cr. general education courses (4-8 cr.) in Mathematics (MAT)  One or two 4-cr. general education courses (4-8 cr.) to be selected from the following fields: Biology (BIO) Chemistry (CHM) Physics (PHY)
Total GE Credits:	30	
Restricted Program Requirements	33	
Free Electives	3	Programs can make recommendations in footnotes.
Total Credits	64-66	

<sup>\*</sup>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.

Code: AS.ENGIN.SCI **GENERAL EDUCATION REQUIREMENTS** 30 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 MAT280 Calculus I 4 COM102 Public Speaking PHY280 Physics I 4 WRT101 English Composition I 3 General Chemistry I 3 CHM140 WRT201 English Composition II 3 CHM141 General Chemistry I Lab 1 DFT107 Drafting I 2 English Composition I **Humanities Electives\*** 6 WRT101 3 Two general education courses selected from the following 17 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy and PHY290 Physics II 4 Religion (PHR); World Languages and Cultures (LAN) MAT281 Calculus II 4 CIS270 Programming for Scientific 4 Social Science Elective\* 3 **Applications** One general education course selected from the following CHM240 General Chemistry II 3 fields: Economics (ECO); Geography (GEO); Political CHM241 General Chemistry II Lab 1 Science (POL); Psychology (PSY); Sociology (SOC) and WRT201 **English Composition II** 3 Anthropology (ANT) 18 **Mathematics and Natural Sciences** 12 **Third Semester** Physics III‡‡‡ MAT280 Calculus I PHY291 4 4 MAT281 Calculus II 4 MAT282 Calculus III 4 PHY280 Physics I 4 COM... COM100 Speech Communication 3 or COM102 Public Speaking **PROGRAM REQUIREMENTS** 33 Humanities Elective\*† 3 PHY290 Physics II 4 Social Science Elective\*‡ 3 PHY291 Physics III‡‡‡ 4 17 PHY294 Engineering Mechanics‡‡‡‡ 4 CHM140 General Chemistry I 3 **Fourth Semester** CHM141 General Chemistry I Lab PHY294 Engineering Mechanics‡‡‡‡ 4 1 CHM240 General Chemistry II 3 MAT283 **Differential Equations** 4 CHM241 General Chemistry II Lab 1 Humanities Elective\*† 3 . . . . . . CIS270 Programming for Scientific Applications 3 Free Elective‡‡ 3 DFT107 Drafting I 2 14 MAT282 Calculus III 4 MAT283 Differential Equations 4 FREE ELECTIVE ## 3

### Specific Program Notes

**TOTAL CREDITS** 

Program: Engineering Science Degree: Associate in Science

\*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

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‡Recommended: ECO101 Macro Economics

‡‡ Recommended: ECO201 Micro Economics

‡‡‡Offered only in fall semesters.

####Offered only in spring semesters.

# 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.)
Humanities	6	COM100 Speech Communication (3 cr.) or COM102 Public Speaking (3 cr.)  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)
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	57 ( )
Free Electives	3-6	
Total Credits	64-66	

Degree: Associate in Science Code: AS.PS.GEN **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 COM... COM100 Speech Communication or 3 MAT. Mathematics Elective\* 3-4 COM102 Public Speaking COM... COM100 Speech Communication WRT101 English Composition I 3 or COM102 Public Speaking WRT201 English Composition II 3 WRT101 English Composition I 3 Humanities Elective\* 3 **Humanities Electives\*** 6 **Program Requirements** 3 15-16 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 **Second Semester** English Composition II Studies [CIN]); History (HIS); Literature (LIT); Philosophy and WRT201 3 Religion (PHR); World Languages and Cultures (LAN) Humanities Elective\* 3 Social Science Elective\* 3 Social Science Elective\* 3 General Education Elective\* . . . . . . One general education course selected from the following 3 fields: Economics (ECO); Geography (GEO); Political Free Elective\*\* Science (POL); Psychology (PSY); Sociology (SOC) and **Program Requirements** 3 Anthropology (ANT) 15 **Mathematics and Natural Sciences** 11-12 **Third Semester** Natural Science Elective\* Mathematics\* 4 3-4 Natural Science Electives\* Humanities Elective\* 3 Social Science Elective' 3 **Additional General Education Elective** 6 0-3 **Program Requirements** If needed to reach the Foundation minimum of 30-32 16 credits, take one course from the BCC General Education course list. If an additional course is not needed for that **Fourth Semester** purpose, then the student may take a 3-credit free Natural Science Elective\* 4 elective or no additional credit in this category. **Humanities Electives**<sup>\*</sup> 6 **Program Requirements** 3-6 PROGRAM SUPPORT REQUIREMENTS Free Elective\*\* 12 3-6 Three general education courses (9 cr.) selected from the 9 16-19 following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN) One general education course (3 cr.) to be selected from 3 the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT) PROGRAM REQUIREMENTS 15-18 FREE ELECTIVES\*\* 3-6 **TOTAL CREDITS** 64-66

## **Specific Program Notes**

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

Program: Professional Studies - General Curriculum

<sup>\*\*</sup>Recommended: IST123 Success 101.

Code: AS.PS.AVT.ADM **GENERAL EDUCATION REQUIREMENTS** 30 Communication 9 COM... COM100 Speech Communication or 3 COM102 Public Speaking WRT101 English Composition I 3 WRT201 English Composition II 3 6 **Humanities** HIS101 History of Western Civ. to the Reformation 3 HIS102 History of Western Civ. since the Reformation LIT201 American Literature to 1880 3 LIT202 American Literature to the Present 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 3 **AVT240 Aviation Safety BUS101 Introduction to Business** BUS110 Transportation Logistics & Supply Chain Management 3 **BUS207 Principles of Management** 3 WRT202 Technical Writing PROGRAM SUPPORT REQUIREMENTS 12 LIT203 World Literature to 1650 3 LIT204 World Literature 1650 to the Present LAN110 French I 3 LAN113 Spanish I LAN200 French II 3 or LAN130 Spanish II POL101 American Government 3 FREE ELECTIVE or MAT280 Calculus I\* **TOTAL CREDITS** 

Program: Professional Studies - Aviation Administration Option

Degree: Associate in Science

### RECOMMENDED SEMESTER SEQUENCE

#### **First Semester**

ACC110	Financial Accounting	3
BUS101	Introduction to Business	3
COM	COM100 Speech Communication	3
	or COM102 Public Speaking	
MAT180	Precalculus	4
WRT101	English Composition I	3
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#### **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
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### **Third Semester**

Tima ocn	100101	
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
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## **Specific Program Notes**

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

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Degree: Associate in Science Code: AS.PS.BRCAST **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 MAT. Mathematics Elective\* COM102 Public Speaking COM... COM100 Speech Communication WRT101 English Composition I or COM102 Public Speaking 3 WRT201 English Composition II 3 WRT101 English Composition I Humanities Elective\* **Humanities Electives\*** 6 COM101 Mass Media of Communication 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 **Second Semester** English Composition II Studies [CIN]); History (HIS); Literature (LIT); Philosophy and WRT201 Religion (PHR); World Languages and Cultures (LAN) Humanities Elective\* Social Science Elective\* Social Science Elective\* 3 General Education Elective\* One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political Free Elective\*\* Science (POL); Psychology (PSY); Sociology (SOC) and COM103 Intro to Radio/TV Production Anthropology (ANT) **Mathematics and Natural Sciences** 11-12 **Third Semester** Natural Science Elective\* Mathematics\* 3-4 Natural Science Electives\* Humanities Elective\* Social Science Elective' Additional General Education Elective\* COM105 Radio Production 0-3 If needed to reach the Foundation minimum of 30-32 COM106 TV Production I 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. **Fourth Semester** Natural Science Elective\* **Humanities Electives\*** PROGRAM SUPPORT REQUIREMENTS COM205 Advanced Radio Production 12 Three general education courses (9 cr.) selected from the 9 or following fields, with no more than two courses in any one field: COM208 Directing for TV Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema COM207 TV Production II Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN) Video Post Production COM111 Free Elective\*\* One general education course (3 cr.) to be selected from 3 the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT) PROGRAM REQUIREMENTS 18 COM101 Mass Media of Communication 3 COM103 Intro to Radio/TV Production 3 COM105 Radio Production 3 COM106 TV Production I 3 COM205 Advanced Radio Production 3 or COM208 Directing for TV COM207 TV Production II 3 COM111 Video Post Production FREE ELECTIVES\*\* 3-6

65-66

### **Specific Program Notes**

**TOTAL CREDITS** 

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

Program: Professional Studies - Broadcasting Option

\*\*Recommended: IST123 Success 101.

Code: AS.PS.BUS.ADM **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 COM... COM100 Speech Communication or Financial Accounting 3 ACC110 3 COM102 Public Speaking BUS101 Intro to Business Administration 3 WRT101 English Composition I Mathematics Elective\*† 3 MAT... 3-4 WRT201 English Composition II COM100 Speech Communication 3 COM... 3 or COM102 Public Speaking **Humanities Electives\*** 6 WRT101 English Composition I 3 Two general education courses selected from the following 15-16 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy and ACC210 Managerial Accounting 3 Religion (PHR); World Languages and Cultures (LAN). **Business Elective**‡ 3 WRT201 English Composition II 3 Social Science Course: ECO101 Macroeconomics 3 **Humanities Electives\*** 6 ECO101 Macroeconomics 3 18 **Mathematics and Natural Sciences** 11-12 Mathematics\*† 3-4 Natural Science Electives\* **Third Semester** 8 **Business Elective**‡ 3 **Additional General Education Elective** Microeconomics 0-3 ECO201 3 If needed to reach the Foundation minimum of 30-32 or credits, take one course from the BCC General Education **PSY101** General Psychology 3 course list. If an additional course is not needed for that or purpose, then the student must take a 3-credit free elective. SOC101 Sociology 3 **Humanities Electives** 6 PROGRAM SUPPORT REQUIREMENTS 12 Natural Science Elective\* 4 Three general education courses (9 cr.) selected from 16 the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre **Fourth Semester** Arts [THR], Cinema Studies [CIN]); History (HIS); **Business Elective**‡ 3 Literature (LIT); Philosophy and Religion (PHR); Humanities Elective\* 3 World Languages and Cultures (LAN). Natural Science Elective\* 4 General Education Elective\* One of the following Social Science courses: 3 3 or ECO201 Microeconomics\* Free Elective‡‡ PSY101 General Psychology Free Elective ### 3 SOC101 Sociology 16 PROGRAM REQUIREMENTS 18 **ACC110 Financial Accounting** 3 ACC210 Managerial Accounting 3 **BUS101 Intro to Business Administration** 3 ..... Business Electives ± 9 **FREE ELECTIVES** 3-6

## **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

64-66

‡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.)

Program: Professional Studies - Business Administration - General Option

Degree: Associate in Science

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

Code: AS.PS.BUS.ACCT **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 BUS101 Intro to Business Administration 3 COM102 Public Speaking ECO101 Macroeconomics 3 WRT101 English Composition I Mathematics Elective\* 3 MAT... 3-4 COM100 Speech Communication WRT201 English Composition II 3 COM... 3 or COM102 Public Speaking WRT101 **Humanities Electives\*** 6 English Composition I 3 Two general education courses selected from the following 15-16 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy and ACC110 Financial Accounting 3 Religion (PHR); World Languages and Cultures (LAN). BUS201 Marketing Principles 3 ECO201 Microeconomics 3 Social Science Course: ECO101 Macroeconomics WRT201 **English Composition II** 3 3 **Humanities Electives\*** 6 **Mathematics and Natural Sciences** 11-12 18 Mathematics\*† 3-4 Natural Science Electives\* Third Semester 8 ACC210 Managerial Accounting 3 **Additional General Education Elective** Business Elective‡ 3 0-3 If needed to reach the Foundation minimum of 30-32 Humanities Electives 6 credits, take one course from the BCC General Education Natural Science Elective\* 4 course list. If an additional course is not needed for that 16 purpose, then the student must take a 3-credit free elective. **Fourth Semester** PROGRAM SUPPORT REQUIREMENTS 12 ACC202 Intermediate Accounting I 3 Three general education courses (9 cr.) selected from **Humanities Elective\*** 9 3 the following fields, with no more than two courses in Natural Science Elective\* 4 any one field: Arts (Art [ART], Music [MUS], Theatre General Education Elective\* . . . . . . Arts [THR], Cinema Studies [CIN]); History (HIS); 3 or Free Elective‡‡ Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). Free Elective‡‡ 3 . . . . . . 16 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

Program: Professional Studies - Business Administration - Accounting Option

Degree: Associate in Science

## **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

64-66

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

Code: AS.PS.BUS.HOSP **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 ACC110 Financial Accounting 3 COM102 Public Speaking BUS101 Intro to Business Administration 3 WRT101 English Composition I Intro to Hospitality Management 3 HRM101 3 MAT... Mathematics Elective\* WRT201 English Composition II 3 3-4 **English Composition I WRT101** 3 **Humanities Electives\*\*** 6 15-16 Two general education courses selected from the following fields, with no more than one course in any one field: **Second Semester** Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Managerial Accounting ACC210 3 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and COM... COM100 Speech Communication 3 Religion (PHR); World Languages and Cultures (LAN). or COM102 Public Speaking WRT201 **English Composition II** 3 Social Science Course: ECO101 Macroeconomics Humanities Electives\*\* 3 6 ECO101 Macroeconomics 3 18 **Mathematics and Natural Sciences** 11-12 Mathematics\* 3-4 Natural Science Electives\*\* **Third Semester** 8 Hotel/Restaurant/Hospitality 3 . . . . . . **Additional General Education Elective** 0-3 Elective\*\*\* Microeconomics If needed to reach the Foundation minimum of 30-32 ECO201 3 credits, take one course from the BCC General Education or course list. If an additional course is not needed for that **PSY101** General Psychology 3 purpose, then the student must take a 3-credit free elective. or Sociology SOC101 3 PROGRAM SUPPORT REQUIREMENTS 12 Humanities Electives 6 Natural Science Elective Three general education courses (9 cr.) selected from 9 4 the following fields, with no more than two courses in 16 any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); **Fourth Semester** Literature (LIT); Philosophy and Religion (PHR); Business Elective\*\*\*\* 3 World Languages and Cultures (LAN). **Humanities Elective\*\*** 3 Natural Science Elective\* 4 One of the following Social Science courses: 3 General Education Elective . . . . . . ECO201 Microeconomics\* 3 PSY101 General Psychology Free Elective† SOC101 Sociology Free Elective† 3 16 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

## **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.

Program: Professional Studies - Hospitality Option

Degree: Associate in Science

†Recommended: IST123 Success 101 or INF101 Introduction to Information Technology.

Code: AS.PS.BUS.INTL **GENERAL EDUCATION REQUIREMENTS** RECOMMENDED SEMESTER SEQUENCE 30-32 Communication 9 COM... COM100 Speech Communication or Financial Accounting 3 ACC110 3 COM102 Public Speaking BUS101 Intro to Business Administration 3 WRT101 English Composition I Mathematics Elective\*† 3 MAT... 3-4 COM100 Speech Communication WRT201 English Composition II 3 COM... 3 or COM102 Public Speaking **Humanities Electives\*** 6 WRT101 English Composition I 3 Two general education courses selected from the following 15-16 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy and ACC210 Managerial Accounting 3 Religion (PHR); World Languages and Cultures (LAN). **BUS262** Fundamentals of Internat'l Business 3 WRT201 English Composition II 3 Social Science Course: ECO101 Macroeconomics 3 **Humanities Electives\*** 6 ECO101 Macroeconomics 3 18 **Mathematics and Natural Sciences** 11-12 Mathematics\*† 3-4 Natural Science Electives\* Third Semester 8 Business International Trade Elective‡ 3 **Additional General Education Elective** ECO201 0-3 Microeconomics 3 If needed to reach the Foundation minimum of 30-32 or credits, take one course from the BCC General Education **PSY101** General Psychology 3 course list. If an additional course is not needed for that or purpose, then the student must take a 3-credit free elective. SOC101 Sociology 3 Humanities Electives 6 PROGRAM SUPPORT REQUIREMENTS 12 Natural Science Elective\* 4 Three general education courses (9 cr.) selected from 16 the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre **Fourth Semester** Arts [THR], Cinema Studies [CIN]); History (HIS); **Business Elective**‡‡ 3 Literature (LIT); Philosophy and Religion (PHR); Humanities Elective\* 3 World Languages and Cultures (LAN). Natural Science Elective\* 4 General Education Elective\* One of the following Social Science courses: 3 3 or ECO201 Microeconomics\* Free Elective ### PSY101 General Psychology Free Elective #### 3 SOC101 Sociology 16 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

Program: Professional Studies - Business Administration - International Trade Option

Degree: Associate in Science

## **Specific Program Notes**

..... Business Elective ##

**FREE ELECTIVES** 

**TOTAL CREDITS** 

\*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, BNF208.

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±±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.

Code: AS.PS.BUS.MGMT **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 COM... COM100 Speech Communication or 3 ACC110 Financial Accounting 3 COM102 Public Speaking BUS101 Intro to Business Administration 3 WRT101 English Composition I Mathematics Elective\*† 3 MAT... 3-4 COM100 Speech Communication WRT201 English Composition II 3 COM... 3 or COM102 Public Speaking **Humanities Electives\*** 6 WRT101 English Composition I 3 Two general education courses selected from the following 15-16 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy and ACC210 Managerial Accounting 3 Religion (PHR); World Languages and Cultures (LAN). **BUS207** Principles of Management 3 WRT201 English Composition II 3 Social Science Course: ECO101 Macroeconomics 3 **Humanities Electives\*** 6 ECO101 Macroeconomics 3 18 **Mathematics and Natural Sciences** 11-12 Mathematics\*† 3-4 Natural Science Electives\* Third Semester 8 Business Elective‡ 3 **Additional General Education Elective** ECO201 Microeconomics 0-3 3 If needed to reach the Foundation minimum of 30-32 or credits, take one course from the BCC General Education **PSY101** General Psychology 3 course list. If an additional course is not needed for that or purpose, then the student must take a 3-credit free elective. SOC101 Sociology 3 **Humanities Electives** 6 PROGRAM SUPPORT REQUIREMENTS 12 Natural Science Elective\* 4 Three general education courses (9 cr.) selected from 16 the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre **Fourth Semester** Arts [THR], Cinema Studies [CIN]); History (HIS); **Business Elective**‡ 3 Literature (LIT); Philosophy and Religion (PHR); Humanities Elective\* 3 World Languages and Cultures (LAN). Natural Science Elective\* 4 General Education Elective\* One of the following Social Science courses: 3 3 or ECO201 Microeconomics\* Free Elective‡‡ PSY101 General Psychology Free Elective ### 3 SOC101 Sociology 16 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

## **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

64-66

‡BUS170, BUS201, BUS205, BUS208, BUS209, BUS223, BUS224, INF101.

‡‡Recommended: BUS463 Co-op Work Experience with a managerial position.

Program: Professional Studies - Business Administration - Management Option

Degree: Associate in Science

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

Code: AS.PS.BUS.MKTG **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 COM... COM100 Speech Communication or 3 ACC110 Financial Accounting 3 COM102 Public Speaking BUS101 Intro to Business Administration 3 WRT101 English Composition I Mathematics Elective\*† 3 MAT... 3-4 COM100 Speech Communication WRT201 English Composition II 3 COM... 3 or COM102 Public Speaking **Humanities Electives\*** 6 WRT101 English Composition I 3 Two general education courses selected from the following 15-16 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy and ACC210 Managerial Accounting 3 Religion (PHR); World Languages and Cultures (LAN). BUS201 Marketing Principles 3 WRT201 English Composition II 3 Social Science Course: ECO101 Macroeconomics **Humanities Electives\*** 3 6 ECO101 Macroeconomics 3 18 **Mathematics and Natural Sciences** 11-12 Mathematics\*† 3-4 Natural Science Electives\* **Third Semester** 8 BUS.. **Business Marketing Elective**‡ 3 **Additional General Education Elective** ECO201 Microeconomics 0-3 3 If needed to reach the Foundation minimum of 30-32 or credits, take one course from the BCC General Education **PSY101** General Psychology 3 course list. If an additional course is not needed for that or purpose, then the student must take a 3-credit free elective. SOC101 Sociology 3 Humanities Electives 6 PROGRAM SUPPORT REQUIREMENTS 12 Natural Science Elective\* 4 Three general education courses (9 cr.) selected from 16 the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre **Fourth Semester** Arts [THR], Cinema Studies [CIN]); History (HIS); **Business Elective**‡‡ 3 Literature (LIT); Philosophy and Religion (PHR); Humanities Elective\* 3 World Languages and Cultures (LAN). Natural Science Elective\* 4 General Education Elective\* One of the following Social Science courses: 3 3 or ECO201 Microeconomics\* Free Elective‡‡‡ PSY101 General Psychology Free Elective #### 3 SOC101 Sociology 16 PROGRAM REQUIREMENTS 18 **ACC110 Financial Accounting** 3 ACC210 Managerial Accounting 3 BUS101 Intro to Business Administration 3

## Specific Program Notes

**BUS201 Marketing Principles** 

..... Business Elective ##

**FREE ELECTIVES** 

**TOTAL CREDITS** 

BUS... Business Marketing Elective‡

\*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.

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‡‡BUS207, BUS223, BUS271, INF101.

###Recommended: BUS463 Co-op Work Experience with a marketing position.

Program: Professional Studies - Business Administration - Marketing Option

Degree: Associate in Science

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

Degree: Associate in Science Code: AS.PS.BUS.NONPRF.MGT **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 ACC110 Financial Accounting 3 Intro to Nonprofit Organizations COM102 Public Speaking BUS115 3 WRT101 English Composition I COM100 Speech Communication 3 COM... 3 WRT201 English Composition II 3 or COM102 Public Speaking ECO101 Macroeconomics 3 WRT101 **Humanities Electives\*\*** 6 English Composition I 3 Two general education courses selected from the following 15 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Second Semester Studies [CIN]); History (HIS); Literature (LIT); Philosophy and ACC210 Managerial Accounting 3 Religion (PHR); World Languages and Cultures (LAN). ECO201 Microeconomics 3 or Social Science Course: ECO101 Macroeconomics **PSY101** General Psychology 3 3 or **Mathematics and Natural Sciences** 11-12 SOC101 Sociology 3 Mathematics\* MAT... Mathematics Elective\* 3-4 3-4 Natural Science Electives\*\* Humanities Elective\*\* 3 8 WRT201 English Composition II 3 **Additional General Education Elective** 0-3 Nonprofit Course Elective\*\* 3 If needed to reach the Foundation minimum of 30-32 18-19 credits, take one course from the BCC general education course list. If an additional course is not needed for that Third Semester purpose, then the student must take a 3-credit free elective. **Business Administration Elective\*\*\*\*** 3 **Humanities Electives**<sup>\*</sup> 9 PROGRAM SUPPORT REQUIREMENTS Natural Science Elective\*\* 4 12 Three general education courses (9 cr.) selected from 16 the following fields, with no more than two courses in any one field: Arts (Art [ART], Music [MUS], Theatre **Fourth Semester** Arts [THR], Cinema Studies [CIN]); History (HIS); **Business Administration Elective\*\*\*\*** 3 Literature (LIT); Philosophy and Religion (PHR); Humanities Elective\*\* 3 World Languages and Cultures (LAN). Natural Science Elective\*\* 4 General Education Elective\*\* One of the following Social Science courses: 3 3 or **ECO201 Microeconomics** Free Elective† PSY101 General Psychology Free Elective‡ 3 SOC101 Sociology 16 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** 

## 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.

65-66

\*\*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.

Program: Professional Studies - Nonprofit Management Option

†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.

Degree: Associate in Science Code: AS.PS.CRIMJ **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 COM... COM100 Speech Communication or 3 CRJ101 Introduction to Criminal Justice 3 CRJ113 COM102 Public Speaking The Juvenile Justice Process 3 WRT101 English Composition I English Composition I 3 3 **WRT101** WRT201 English Composition II 3 Humanities Elective\*† 3 Social Science Elective' 3 **Humanities Electives\*** 6 15 Two general education courses selected from the following fields, with no more than one course in any one field: **Second Semester** Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Contemporary Issues in Policing CRJ109 3 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and WRT201 English Composition II 3 Religion (PHR); World Languages and Cultures (LAN). Humanities Electives\* 6 Social Science Elective\* 3 Social Science Elective\* 3 Free Elective\*\* 3 One general education course selected from the following 18 fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and **Third Semester** Police Administration Anthropology (ANT). CRJ105 3 COM100 Speech Communication COM... 3 **Mathematics and Natural Sciences** 11-12 or COM102 Public Speaking Mathematics\* MAT... Mathematics Elective\* 3-4 3-4 Natural Science Electives\* Natural Science Elective\* 8 4 Humanities Elective\* 3 **Additional General Education Course** 16-17 3 MAT/CIS... Math/Computer Science Elective (3 cr.)\* **Fourth Semester** PROGRAM SUPPORT REQUIREMENTS 12 CRJ103 Criminal Law 3 Three general education courses (9 cr.) selected from the CRJ107 Criminology 3 9 following fields, with no more than two courses in any one field: MAT/CIS. Math/Computer Science Elective\* 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Natural Science Elective\* 4 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Humanities Elective\* 3 Religion (PHR); World Languages and Cultures (LAN). 16 One general education course (3 cr.) to be selected from 3 the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). PROGRAM REQUIREMENTS 18 CRJ101 Introduction to Criminal Justice 3 CRJ103 Criminal Law 3 CRJ105 Police Administration 3 **CRJ107 Criminology** 3 CRJ109 Contemporary Issues in Policing 3 CRJ113 The Juvenile Justice Process 3 FREE ELECTIVE\*\* 3

### **Specific Program Notes**

**TOTAL CREDITS** 

Program: Professional Studies - Criminal Justice Option

\*General Education Elective(s) – see page 1. Recommended Humanities electives: HIS111, HIS112, PHR103. Recommended Social Science electives: SOC101, PSY101.

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<sup>\*\*</sup>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.

Degree: Associate in Science Code: AS.PS.EARLY.CHILD **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 EDU101 Introduction to Education 3 COM102 Public Speaking COM100 Speech Communication COM... 3 WRT101 English Composition I or COM102 Public Speaking 3 WRT201 English Composition II 3 MAT... Mathematics Elective\* 3-4 Humanities Elective\* 3 **Humanities Electives\*** 6 WRT101 **English Composition I** 3 Two general education courses selected from the following 15-16 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy and EDU120 Child Development I 3 Religion (PHR); World Languages and Cultures (LAN) WRT201 English Composition II 3 Humanities Elective\* 3 Social Science Elective\* 3 Social Science Elective\* 3 One general education course selected from the following General Education Elective\*† . . . . . . fields: Economics (ECO); Geography (GEO); Political 3 Science (POL); Psychology (PSY); Sociology (SOC) and Free Elective\*\* Anthropology (ANT) 15 **Mathematics and Natural Sciences** 11-12 Third Semester Mathematics\* EDU140 **Educational Technology** 3-4 Natural Science Electives\* 3 8 EDU130 Infants and Toddlers **Additional General Education Elective** 0-3 EDU220 Child Development II 3 If needed to reach the Foundation minimum of 30-32 Natural Science Elective\* 4 credits, take one course from the BCC General Education Humanities Elective\* 3 . . . . . . course list. If an additional course is not needed for that Social Science Elective\* 3 purpose, then the student may take a 3-credit free 16 elective or no additional credit in this category. Fourth Semester PROGRAM SUPPORT REQUIREMENTS 12 EDU102 Inclusion and the Exceptional Child 3 Three general education courses (9 cr.) selected from the EDU226 Supervised Field Work 3 following fields, with no more than two courses in any one field: Natural Science Elective\* 4 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Humanities Electives\*** 6 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Free Elective\*\* 3 Religion (PHR); World Languages and Cultures (LAN) 19 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 **PROGRAM REQUIREMENTS** 18 \*General Education Elective(s) - see page 1. †Recommended: PSY101 General Psychology
\*\*Recommended: IST123 Success 101; EDU110 **EDU101 Introduction to Education** 3 EDU102 Inclusion and the Exceptional Child 3 EDU1XX Educational Technology Foundations of Multicultural Education 3 EDU130 Infants and Toddlers The following courses provide strong support for EDU120 Child Development I 3 PRAXIS exam preparation, and choosing from this EDU220Child Development II list is strongly recommended: ANT100, ANT101, 3 **EDUXXX Supervised Field Work Experience** 3 BIO103 or BIO107, GEO101, HIS101, HIS102, HIS111, HIS112, HIS113, HIS114, LAN I and II

### Specific Program Notes, continued

FREE ELECTIVES\*\*

**TOTAL CREDITS** 

Program: Professional Studies - Education Option

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.

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SOC103

sequence, LIT101, LIT201, LIT203, LIT204, MAT130 or MAT150, POL101, PAY101, PSY106, SOC101,

Degree: Associate in Science Code: AS.PS.EDU **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 EDU101 Introduction to Education 3 COM102 Public Speaking COM100 Speech Communication COM... 3 WRT101 English Composition I or COM102 Public Speaking 3 WRT201 English Composition II 3 MAT... Mathematics Elective\* 3-4 Humanities Elective\* 3 **Humanities Electives\*** 6 WRT101 **English Composition I** 3 15-16 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 **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy and EDU102 Inclusion and the Exceptional Child 3 Religion (PHR); World Languages and Cultures (LAN) PSY101 General Psychology 3 English Composition II WRT201 3 Social Science Elective\* 3 Humanities Elective\* 3 One general education course selected from the following Social Science Elective\* 3 fields: Economics (ECO); Geography (GEO); Political General Education Elective\* . . . . . . Science (POL); Psychology (PSY); Sociology (SOC) and 3 Free Elective\*\* Anthropology (ANT) 18 **Mathematics and Natural Sciences** 11-12 Mathematics\* **Third Semester** 3-4 Natural Science Electives\* **Educational Technology** 3 8 EDU140 SOC103 Sociology of the Family 3 **Additional General Education Elective** 4 Natural Science Elective\* 0 - 3If needed to reach the Foundation minimum of 30-32 Humanities Elective\* 3 credits, take one course from the BCC General Education Social Science Elective\* 3 course list. If an additional course is not needed for that 16 purpose, then the student may take a 3-credit free elective or no additional credit in this category. **Fourth Semester** PSY106 Developmental Psychology 3 PROGRAM SUPPORT REQUIREMENTS Natural Science Elective\* 12 4 Three general education courses (9 cr.) selected from the 9 Humanities Electives\* 6 following fields, with no more than two courses in any one field: Free Elective\*\* 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema 16 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 **PROGRAM REQUIREMENTS** 18 \*General Education Elective(s) - see page 1. **EDU101 Introduction to Education** 3 \*\*Recommended: IST123 Success 101; EDU110 EDU102 Inclusion and the Exceptional Child 3 Foundations of Multicultural Education EDU1XX Educational Technology 3 PSY101 General Psychology 3 The following courses provide strong support for PRAXIS exam preparation, and choosing from this PSY106 Developmental Psychology 3 SOC103 Sociology of the Family list is strongly recommended: ANT100, ANT101, 3 BIO103 or BIO107, GEO101, HIS101, HIS102, FREE ELECTIVES\*\* 3-6 HIS111, HIS112, HIS113, HIS114, LAN I and II sequence, LIT101, LIT201, LIT203, LIT204, MAT130 or MAT150, POL101, SOC101. **TOTAL CREDITS** 65-66

### Specific Program Notes, continued

Program: Professional Studies - Education Option

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.

Code: AS.PS.EXER **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** Cardiopulmonary Resuscitation & COM... COM100 Speech Communication or 3 WEX159 3 COM102 Public Speaking **Emergency First Aid** WRT101 English Composition I 3 WEX164 Exercise Science 3 English Composition I WRT201 English Composition II 3 **WRT101** 3 MAT. Mathematics Elective\* 3-4 **Humanities Electives\*** 6 Humanities Elective\* 3 Two general education courses selected from the following 15-16 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Second Semester Studies [CIN]); History (HIS); Literature (LIT); Philosophy and WEX182 Fitness Measurement 3 Religion (PHR); World Languages and Cultures (LAN). **WEX184** Sports Medicine I - Theory 3 and Practice Social Science Elective\* 3 COM... COM100 Speech Communication 3 or COM102 Public Speaking One general education course selected from the following fields: Economics (ECO); Geography (GEO); Political WRT201 English Composition II 3 Science (POL); Psychology (PSY); Sociology (SOC) and Social Science Elective\* 3 General Education Elective\* Anthropology (ANT). 3 **Mathematics and Natural Sciences** 11-12 Free Elective\*\* Mathematics\* 18 3-4 Natural Science Electives\* 8 **Third Semester** Additional General Education Elective\* 0-3 WEX106 Nutrition for Exercise & Fitness 3 If needed to reach the Foundation minimum of 30-32 Natural Science Elective\* 4 credits, take one course from the BCC General Education Humanities Elective\* 6 course list. If an additional course is not needed for that Social Science Elective\* 3 purpose, then the student must take a 3-credit free elective. 16 PROGRAM SUPPORT REQUIREMENTS 12 **Fourth Semester** Three general education courses (9 cr.) selected from the Programs & Principles of WEX183 3 following fields, with no more than two courses in any one field: Conditioning Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Natural Science Elective\* 4 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Humanities Electives' 6 Religion (PHR); World Languages and Cultures (LAN). Free Elective\*\* 3 16 One general education course (3 cr.) to be selected from 3 the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). **PROGRAM REQUIREMENTS** 18 WEX159 Cardiopulmonary Resuscitation & Emergency First Aid 3 WEX164 Exercise Science 3 WEX182 Fitness Measurement 3 WEX184 Sports Medicine I - Theory and Practice 3 WEX106 Nutrition for Exercise & Fitness 3 WEX183 Programs & Principles of Conditioning 3 FREE ELECTIVES\*\* 3-6 **TOTAL CREDITS** 65-66

### Specific Program Notes

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

Program: Professional Studies - Exercise Science Option

Degree: Associate in Science

<sup>\*\*</sup>Recommended: IST123 Success 101 or another course recommended by the program concentration (may include WEX101 and other WEX 100-level courses).

Code: AS.PS.HSC **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 COM... COM100 Speech Communication or 3 BIO109 Anatomy & Physiology I 4 Medical Terminology COM102 Public Speaking MOA140 3 WRT101 English Composition I WRT101 English Composition I 3 3 WRT201 English Composition II 3 Humanities Electives' 6 16 **Humanities Electives\*** 6 Two general education courses selected from the following **Second Semester** fields, with no more than one course in any one field: BIO209 Anatomy & Physiology II 4 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema HSC100 Cross-Cultural Healthcare 3 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and PSY101 General Psychology 3 Religion (PHR); World Languages and Cultures (LAN). WRT201 **English Composition II** 3 Humanities Elective\* 3 Social Science Course: PSY101 General Psychology 3 16 **Mathematics and Natural Sciences** 11-12 **Third Semester** MAT150 Statistics I HSC102/ Healthcare Ethics & Law 3 3 BIO109 Anatomy & Physiology I LGL104 4 HSC101/ BIO209 Anatomy & Physiology II 4 Intro to Health Administration 3 BUS111 Additional General Education Elective\* 3 SOC101 Sociology 3 MAT150 Statistics I 3 PROGRAM SUPPORT REQUIREMENTS 12 Humanities Elective' 3 3 Three general education courses (9 cr.) selected from the General Education Elective\* 9 following fields, with no more than two courses in any one field: 18 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and **Fourth Semester** Religion (PHR); World Languages and Cultures (LAN). HSC200 Community Health 3 WEX106 Nutrition, Exercise, & Fitness 3 One general education course (3 cr.) in the Social Sciences: COM... COM100 Speech Communication 3 3 SOC101 Sociology or COM102 Public Speaking Humanities Elective\* 3 ..... Free Elective\*\* 3 **PROGRAM REQUIREMENTS** 18 15 HSC100 Cross-Cultural Healthcare 3 HSC102/LGL104 Healthcare Ethics & Law 3 3 HSC101/BUS111 Intro to Health Administration HSC200 Community Health 3 MOA140 Medical Terminology 3 WEX106 Nutrition, Exercise, & Fitness 3 FREE ELECTIVE\*\* 3 **TOTAL CREDITS** 65

## **Specific Program Notes**

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

Program: Professional Studies - Health Science Option

Degree: Associate in Science

<sup>\*\*</sup>Recommended: IST123 Success 101 or another course recommended by the program director.

Electives] - Select one: INF145, INF152, INF153.

INF160, or INF217.

Degree: Associate in Science Code: AS.PS.INFO **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** Intro to Information Technology COM... COM100 Speech Communication or 3 INF101 3 COM102 Public Speaking INF... Programming Language 3 WRT101 English Composition I Fundamentals Elective\* 3 MAT... WRT201 English Composition II 3 Mathematics Elective\*\*\*† 3-4 COM100 Speech Communication COM... 3 **Humanities Electives\*\*\*** or COM102 Public Speaking 6 Two general education courses selected from the following WRT101 **English Composition I** 3 fields, with no more than one course in any one field: 15-16 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Second Semester Introduction to Business Religion (PHR); World Languages and Cultures (LAN). BUS101 3 INF... Advanced Programming Language 3 Social Science Elective\*\*\* 3 Elective\*\* WRT201 English Composition II One general education course selected from the following 3 fields: Economics (ECO); Geography (GEO); Political Humanities Elective\* 6 Science (POL); Psychology (PSY); Sociology (SOC) and General Education Elective\*\*\*‡ . . . . . . Anthropology (ANT). 3 Free Elective‡‡ **Mathematics and Natural Sciences** 11-12 18 Mathematics\*\*\*† 3-4 Natural Science Electives\*\*\* 8 Third Semester Restricted INF Elective< INF... 3 Additional General Education Elective\*\*\* 0-3 Natural Science Elective\*\*\* 4 If needed to reach the Foundation minimum of 30-32 Humanities Electives\*\*\* 6 credits, take one course from the BCC General Education Social Science Elective\*\*\*### 3 course list. If an additional course is not needed for that 16 purpose, then the student must take a 3-credit free elective. **Fourth Semester** PROGRAM SUPPORT REQUIREMENTS Systems Analysis & Design 12 INF108 3 Three general education courses (9 cr.) selected from the Natural Science Elective\*\* 4 following fields, with no more than two courses in any one field: Humanities Electives\*\*\* 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Social Science Elective\*\*\* 3 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Free Elective‡‡ 3 Religion (PHR); World Languages and Cultures (LAN). 16 One general education course (3 cr.) to be selected from 3 the following fields: Economics (ECO); Geography (GEO); Specific Program Notes Political Science (POL); Psychology (PSY); Sociology (SOC) \*Programming Language Fundamentals Elective and Anthropology (ANT). Select one: INF145, INF152, INF153. \*\*Advanced Programming Language Elective -PROGRAM REQUIREMENTS 18 Select one: INF224, INF246, INF268. INF101 Intro to Information Technology 3 \*\*\*General Education Elective(s) - see page 1. †Recommended Mathematics Elective - Select one of INF108 Systems Analysis & Design 3 INF... Programming Language Fundamentals Elective\* the following: MAT180, MAT223, or MAT280. 3 INF... Advanced Programming Language Elective\*\* 3 ‡Recommended: MAT150 or MAT223. INF... Restricted INF Elective ‡‡Recommended: IST123 Success 101 or WEX101 3 **BUS101 Introduction to Business** 3 Dynamics of Health and Fitness (2 credits) and a WEX Dynamics of Health and Fitness Experience FREE ELECTIVES±± 3-6 course (1 credits). ‡‡‡Recommended: ECO101 Macroeconomics. **TOTAL CREDITS** 65-66 <INF Restricted Elective [courses cannot duplicate as</p> Restricted Electives when selected as Programming

Program: Professional Studies - Information Technology Option

Degree: Associate in Science Code: AS.PS.JOUR **GENERAL EDUCATION REQUIREMENTS** 30-32 RECOMMENDED SEMESTER SEQUENCE Communication 9 **First Semester** COM... COM100 Speech Communication or 3 COM... COM100 Speech Communication 3 COM102 Public Speaking or COM102 Public Speaking WRT101 English Composition I 3 COM101 Mass Media of Communication 3 WRT201 English Composition II MAT... 3 Mathematics Elective\* 3-4 WRT101 English Composition I 3 **Humanities Electives\*** 6 3 **Humanities Elective\*** Two general education courses selected from the following 15-16 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Second Semester Studies [CIN]); History (HIS); Literature (LIT); Philosophy and COM201 Introduction to Journalism 3 English Composition II Religion (PHR); World Languages and Cultures (LAN) **WRT201** 3 Humanities Elective\* 3 Social Science Elective\* Social Science Elective\* 3 3 One general education course selected from the following General Education Elective\* . . . . . . fields: Economics (ECO); Geography (GEO); Political 3 Free Elective\*\* Science (POL); Psychology (PSY); Sociology (SOC) and 15 Anthropology (ANT) **Mathematics and Natural Sciences** 11-12 **Third Semester** COM110 Print Journalism Production Mathematics\* 3 3-4 Natural Science Electives\* 8 COM212 Copy Editing 3 or **Additional General Education Elective\*** 0-3 COM/INF140 Introduction to Multimedia If needed to reach the Foundation minimum of 30-32 Natural Science Elective\* 4 credits, take one course from the BCC General Education Humanities Elective\* 3 course list. If an additional course is not needed for that Social Science Elective\* purpose, then the student must take a 3-credit free elective. 16 PROGRAM SUPPORT REQUIREMENTS 12 **Fourth Semester** Writing for the Mass Media COM206 Three general education courses (9 cr.) selected from the 3 following fields, with no more than two courses in any one field: COM210 **Public Relations** 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Natural Science Elective\* 4 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and **Humanities Electives\*** 6 Religion (PHR); World Languages and Cultures (LAN) Free Elective\*\* 3 19 One general education course (3 cr.) to be selected from 3 the following fields: Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT) **PROGRAM REQUIREMENTS** 18 COM101 Mass Media of Communication 3 COM201 Introduction to Journalism 3 COM110 Print Journalism Production 3 COM206 Writing for the Mass Media 3 COM210 Public Relations 3 COM212 Copy Editing 3 COM140/INF140 Introduction to Multimedia FREE ELECTIVES\*\* 3-6 **TOTAL CREDITS** 65-66

#### **Specific Program Notes**

Program: Professional Studies - Journalism Option

<sup>\*</sup>General Education Elective(s) – see page 1.
\*\*Recommended: IST123 Success 101; ART184 Digital Photography; or ART197 Computer Imaging.

Code: AS.PS.SOC.WK **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: SOC101 Sociology 3 **Mathematics and Natural Sciences** 11-12 Mathematics\* 3-4 Natural Science Electives\* 8 **Additional General Education Elective\*** 0-3 If needed to reach the Foundation minimum of 30-32 credits, one of the general education courses listed below under "Program Requirements" can be applied here. PROGRAM SUPPORT REQUIREMENTS 12 Humanities Electives - three general education 9 courses to be selected from the following fields: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN) Social Science: PSY101 General Psychology 3 **PROGRAM REQUIREMENTS** 15-18 PSY102 Intro to Abnormal Psychology 3 SOC102 Introduction to Human Services 3 SOC103 Sociology of the Family 3 SOC113 Social Problems 3 SOC222 Ethnic & Minority Group Relations 3 SOC121 Changing Roles if Women SOC463 Co-op Work Experience (Sociology) 3 FREE ELECTIVES\*\* 3-6 **TOTAL CREDITS** 64-66

Program: Professional Studies - Social Work Option

Degree: Associate in Science

#### RECOMMENDED SEMESTER SEQUENCE

### **First Semester**

MAT	Mathematics Elective*	3-4
COM	COM100 Speech Communication	3
	or COM102 Public Speaking	
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**

i oui tii oci	ilicatoi	
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.

<sup>\*\*</sup>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]) History (HIS) 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	

16

Degree: Associate in Fine Arts Code: AFA.MUSC.BUS **GENERAL EDUCATION REQUIREMENTS** 21-22 RECOMMENDED SEMESTER SEQUENCE Communication 6 **First Semester** Class Piano I WRT101 English Composition I MUS131 2 3 WRT... WRT201 English Composition II or 3 MUS152 Introduction to the Music Business 3 WRT202 Technical Writing 3 MUS163 Careers in Music MUA1.. Applied Music I\* 1 **Humanities Electives\*** Performance Ensemble I\*\* 6 MUS1. 1 Two general education courses selected from the following Humanities Elective\*\*\*† 3 WRT101 fields, with no more than one course in any one field: English Composition I 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema 16 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). Second Semester Class Piano II MUS231 2 **Social Science Course** MUA2.. Applied Music II\* 3 1 ECO101 Macroeconomics 3 MUS2. Performance Ensemble II\*\* 1 BUS101 Introduction to Business 3 Mathematics Elective\*\* Mathematics, Natural Science, & Technology MAT... 3-4 3-4 MAT... Mathematics Elective\*\* WRT... WRT 201 English Composition II or 3-4 3 WRT 202 Technical Writing Humanities Elective\*\*\* Additional General Education Elective:\*\*\* 3 3 16-17 **PROGRAM REQUIREMENTS** 41 MUA1... Applied Music I\* **Third Semester** MUA2... Applied Music II, III, & IV (1, 1, 1 cr.)\* 3 MUS132 Music Theory I 2 MUS1... Performance Ensemble I\*\* MUS134 Ear Training & Musicianship I 2 MUS2... Performance Ensemble II, III, & IV (1, 1, 1 cr.)\*\* 3 MUS241 Class Piano III 2 MUS131 Class Piano I 2 MUS252 Music in the Marketplace 3 MUS231 241, 242 Class Piano II, III, & IV (2, 2, 2 cr.) MUA2.. 6 Applied Music III\* 1 MUS132 Music Theory I 2 MUS2.. Performance Ensemble III\*\* 1 MUS232 Music Theory II 2 Macroeconomics 3 ECO101 MUS134 Ear Training & Musicianship I 2 General Education Elective\*\*\* 3 MUS234 Ear Training & Musicianship II 2 17 MUS152 Introduction to the Music Business 3 MUS163 Careers in Music 3 **Fourth Semester** Music Theory II MUS252 Music in the Marketplace 3 MUS232 2 MUS262 Concert Promotion & Production 3 MUS234 Ear Training & Musicianship II MUS242 Class Piano IV 2 MUS/MUA... Music or Applied Music Electives‡ 5 Concert Promotion & Production MUS262 3 PROGRAM SUPPORT REQUIREMENTS 3 MUA2. Applied Music IV\* 1 Performance Ensemble IV\*\* **BUS101 Introduction to Business** MUS2. 3 1 Music (MUS) or Applied Music 5 (MUA) Electives‡

### Specific Program Notes

**TOTAL CREDITS** 

Program: Music - Music Business Option

\*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).

65-66

\*\*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.

16

Degree: Associate in Fine Arts Code: AFA.MUSC.TECH				
GENERAL EDUCATION REQUIREMENTS	22	RECOMM	ENDED SEMESTER SEQUENCE	
Communication		First Semester		
WRT101 English Composition I	3	MUS131	Class Piano I	2
WRT WRT201 English Composition II or	3	MUS132	Music Theory I	2
WRT202 Technical Writing		MUS134	Ear Training & Musicianship I	2
		MUS151	Intro to Digital Audio Recording	3
Humanities Electives**	6	MUA1	Applied Music I*	1
Two general education courses selected from the following		PHY185	Introduction to Physics	4
fields, with no more than one course in any one field:		WRT101	English Composition I	3
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema				17
Studies [CIN]); History (HIS); Literature (LIT); Philosophy				
and Religion (PHR); World Languages and Cultures (LAN).		Second Se		
		MUS231	Class Piano II	2
Social Science Elective**	3	MUS232	Music Theory II	2
One general education course selected from the following		MUS234	Ear Training & Musicianship II	2
fields: Economics (ECO); Geography (GEO); Political		MUS251	Studio Recording Techniques	3
Science (POL); Psychology (PSY); Sociology (SOC) and		MUA2	Applied Music II*	1
Anthropology (ANT).		WRT	WRT 201 English Composition II or WRT 202 Technical Writing	3
Mathematics, Natural Science, & Technology	4		Humanities Elective**†	3
PHY185 Introduction to Physics	4			16
	_			
Additional General Education Elective:*	3	Third Sem		
PROGRAM REQUIREMENTS	36-37	MUS150	Intro to MIDI Sequencing & Synthesis	3
MUA1 Applied Music I*	3 <b>0-37</b> 1	MUS261	Advanced Studio Recording	3
MUA2 Applied Music II*	1	10103201	(fall semesters only)	3
MUS131, 231 Class Piano I and II	2, 2	MUS1	Performance Ensemble I***	1
MUS132, 232 Music Theory I and II	2, 2		Music (MUS) or Applied Music	2-3
MUS134 Ear Training & Musicianship I	2		(MUA) Electives‡	20
MUS150 Intro to MIDI Sequencing & Synthesis	3		Humanities Elective**	3
MUS151 Intro to Digital Audio Recording	3		Free Elective±‡	3
MUS234 Ear Training & Musicianship II	2			15-16
MUS250 Electronic Music Composition (spring semesters only)	3			
MUS251 Studio Recording Techniques	3	Fourth Se	mester	
MUS261 Advanced Studio Recording (fall semesters only)	3	MUS250	Electronic Music Composition	3
MUS262 Concert Promotion & Production	3		(spring semesters only)	
MUS1 Performance Ensemble I***	1	MUS262	Concert Promotion & Production	3
MUS2 Performance Ensemble II***	1	MUS2	Performance Ensemble II***	1
MUS/MUA Music or Applied Music Elective‡	2-3		Social Science Elective**	3
• •			General Education Elective**	3
FREE ELECTIVES‡‡	6		Free Elective‡‡	3

### **Specific Program Notes**

**TOTAL CREDITS** 

\*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).

64-65

\*\*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]) History (HIS) 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 64-6		Note: Some AAS programs require more than 66 credits for licensing/accreditation purposes.			

<sup>\*</sup>AAS degree programs in Health Professions and Career Technologies have a different requirement structure than do "Basic Structure" AAS programs. See page 79, below.

Code: AAS.ART.ANIM **GENERAL EDUCATION REQUIREMENTS** 21-22 Communication 6 WRT101 English Composition I 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\*\* 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 3 or ART124 Drawing Fundamentals 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 3 ART463 Co-Op Work Experience [ART] CIN150 Special Topics in Cinema I 3

Program: Art – Computer Animation Degree: Associate in Applied Science

### 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**

, 6	
re Drawing i	
or	3
awing Fundamentals	
omputer 3D Animation I	3
troduction to Audio Recording	3
RT201 English Composition II	3
WRT202 Technical Writing	
ath/Computer Science/Natural	3-4
cience/Technology Elective**	
	15-16
	fe Drawing I or rawing Fundamentals computer 3D Animation I troduction to Audio Recording RT201 English Composition II WRT202 Technical Writing ath/Computer Science/Natural cience/Technology Elective**

### **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	ART271 Portfolio Presentation		
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**

**TOTAL CREDITS** 

\*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.

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65-66

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

MUS151 Introduction to Audio Recording

\*\*\*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.

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 ART106 History of Graphic Design 3 ART122 Two-Dimensional Design 3 ART123 Life Drawing I 3 or **ART124 Drawing Fundamentals** ART189 Computer 2D Illustration 3 3 **ART197 Computer Imaging** ART226 Letterform and Type 3 ART259 Computer Graphics for the Web Developer 3 ART260 Graphic Design I 3 ART261 Graphic Design II 3 ART2xx Computer Layout 3 ART271 Portfolio Presentation 2 ART... Studio Art Electives\*\* 9

Program: Art - Graphic Design/Computer Graphics

### 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** 

occoria c	CITICOLCI	
ART226	Letterform and Type	3
ART259	Computer Graphics for the Web	3
	Developer	
ART2xx	Computer Layout	3
ART106	History of Graphic Design	3
	Math/Computer Science/Natural	3-4
	Science/Technology Elective**	
		15-16

#### **Third Semester**

ART260	Graphic Design I	3
ART	Studio Art Electives***	6
	Humanities Elective**	3
	Social Science Elective**	3
WRT	WRT201 English Composition II	3
	or WRT202 Technical Writing	
		18

### **Fourth Semester**

ART261	Graphic Design II	3
ART271	Portfolio Presentation	2
ART	Studio Art Elective***	3
ART	Studio Art Elective***	
	or	3
ART463	Co-Op Work Experience [ART]	
ART	Art History Elective*	3
	Humanities Elective**	3
	·	17

TOTAL CREDITS 65-66

## Specific Program Notes

ART... Studio Art Elective\*\*\*

\*General Education Humanities Electives in Art History: ART102, ART103, ART104, ART107, ART110.

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

ART463 Co-Op Work Experience [ART]

\*\*\*Studio Art Electives: ART123, ART124, ART125, ART126, ART127, ART128, ART129, ART181, ART184, ART192, ART189, ART197, ART23, ART224, ART226, ART228, ART229, ART259, ART260, ART281, ART287, ART288, ART290, ART291, ART292, ART298.

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

GENERAL EDUCATION REQUIREMENTS	21-22	RECOMM	ENDED SEMESTER SEQUENCE	
Communication	6	First Sem	ester	
WRT101 English Composition I	3	ACC110	Financial Accounting	3
WRT WRT201 English Composition II or	3	ACC120	Computerized Accounting	3
WRT202 Technical Writing		BUS101	Introduction to Business	3
		INF114	Microsoft Office	3
Humanities Electives*	6	WRT101	English Composition I	3
Two general education courses selected from the following				15
ields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema		Second S	emester	
Studies [CIN]); History (HIS); Literature (LIT); Philosophy		ACC210	Managerial Accounting	3
and Religion (PHR); World Languages and Cultures (LAN).		BUS233	Business Law I	3
		ECO101	Macroeconomics	3
Social Science Course: ECO101 Macroeconomics	3	COM	COM100 Speech Communication	3
			or COM102 Public Speaking	
Mathematics, Natural Science, & Technology	3-4	WRT	WRT201 English Composition II	3
MAT Mathematics Elective†			or WRT202 Technical Writing	
			Humanities Elective*	3
Additional General Education Course:	3			18
COM COM100 Speech Communication or				
COM102 Public Speaking		Third Sen	nester	
		ACC202	Intermediate Accounting I	3
PROGRAM REQUIREMENTS	43	ACC	Restricted Accounting Elective**	3
ACC110 Financial Accounting	3		Restricted Business Elective***	3
ACC120 Computerized Accounting	3	BNF201	Principles of Finance	3
ACC202 Intermediate Accounting I	3	MAT	Mathematics Elective*†	3-4
ACC203 Intermediate Accounting II	3			15-16
ACC210 Managerial Accounting	3			
ACC215 Special Topics in Accounting	3	Fourth Se		
ACC Restricted Accounting Electives‡	6	ACC203	Intermediate Accounting II	3
BNF201 Principles of Finance	3	ACC215	Special Topics in Accounting	3
BUS101 Introduction to Business	3	ACC	Restricted Accounting Elective**	3
BUS233 Business Law I	3		Restricted Business Elective***	3
Restricted Business Electives‡	6	INF228	Excel for Problem Solving	1
NIE44A NE GOCC	3		Humanities Elective*	3
NF114 Microsoft Office NF228 Excel for Problem Solving	3		Trumamiles Elective	16

## **Specific Program Notes**

**TOTAL CREDITS** 

\*General Education Course List – see page 1.

 $\textbf{Note:} \ \textbf{Students interested in transferring to a four-year institution should refer to AS.PS.BUS.ACCT.}$ 

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

65-66

<sup>\*\*</sup>Select ACC107, ACC115, or ACC463.

<sup>\*\*\*</sup>Select from BNF102, BNF202, BNF203, BUS234, BUS207, BUS170, BUS201, BUS205, BUS116, BUS262. †Select MAT150, MAT155, MAT180, or MAT223.

Degree: Associate in Applied Science Code: AAS.BUS.BANK **GENERAL EDUCATION REQUIREMENTS** 21-22 RECOMMENDED SEMESTER SEQUENCE Communication 6 WRT101 English Composition I ACC110 Financial Accounting 3 3 WRT... WRT201 English Composition II or 3 BNF101 Principles of Banking 3 WRT202 Technical Writing 3 BUS101 Introduction to Business BUS103 **Business Mathematics** 3 **English Composition I Humanities Electives\*** 6 **WRT101** 3 Two general education courses selected from the following 15 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy Managerial Accounting ACC210 3 and Religion (PHR); World Languages and Cultures (LAN). INF101 Intro to Information Technology 3 ECO101 Macroeconomics 3 COM100 Speech Communication Social Science Course: ECO101 Macroeconomics 3 COM... 3 or COM102 Public Speaking WRT... Mathematics, Natural Science, & Technology 3-4 WRT201 English Composition II 3 MAT... Mathematics Elective\*† or WRT202 Technical Writing 15 **Additional General Education Course:** 3 COM... COM100 Speech Communication or **Third Semester** COM102 Public Speaking BNF201 Principles of Finance 3 BNF203 Cash Management 3 **PROGRAM REQUIREMENTS** 39 **BUS233** Business Law I 3 **ACC110 Financial Accounting** 3 Humanities Elective\* 3 ACC210 Managerial Accounting 3 MAT... Mathematics Elective† 3-4 BNF101 Principles of Banking 3 15-16 BNF201 Principles of Finance 3 BNF202 Asset Management 3 **Fourth Semester** BNF203 Cash Management 3 BNF202 Asset Management 3 **BNF208 International Finance** 3 **BNF208** International Finance 3 3 Restricted Business Elective I\*\* **BUS101 Introduction to Business** 3 **BUS103 Business Mathematics** Restricted Business Elective II\*\*\* 3 3 BUS233 Business Law I 3 Humanities Elective\* 3 ..... Restricted Business Elective I\*\* Free Elective(s) 4 3 ..... Restricted Business Elective II\*\*\* 3 19 INF101 Intro to Information Technology 3 FREE ELECTIVE(s) 4 **TOTAL CREDITS** 64-65

## **Specific Program Notes**

\*General Education Course List – see page 1.

Program: Business Administration - Banking and Finance

†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.

<sup>\*\*</sup>Select BNF102, BUS201, or BUS207.

<sup>\*\*\*</sup>Select fBNF463, BNF207, BUS234, or BUS262.

Program: Business Administration - e-Business Management Degree: Associate in Applied Science Code: AAS.BUS.e-BUS.MGMT **GENERAL EDUCATION REQUIREMENTS** 21-22 RECOMMENDED SEMESTER SEQUENCE Communication 6 **First Semester** WRT101 English Composition I BUS101 Introduction to Business 3 3 WRT... WRT201 English Composition II or 3 INF114 Microsoft Office 3 WRT202 Technical Writing Internet Concepts & Applications INF163 3 MAT... Mathematics Elective\* 3-4 **Humanities Electives\*\* English Composition I** 6 **WRT101** 3 Two general education courses selected from the following 15-16 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy Financial Accounting ACC110 3 e-Tailing and Religion (PHR); World Languages and Cultures (LAN). BUS107 3 BUS104 **Customer Service** 3 BUS105 Social Science Course: ECO101 Macroeconomics **Business Communications** 3 3 INF146 Web Development 3 Mathematics, Natural Science, & Technology 3-4 WRT... WRT201 English Composition II 3 or WRT202 Technical Writing MAT... Mathematics Elective\* 18 **Additional General Education Course:** COM... COM100 Speech Communication or Third Semester COM102 Public Speaking Managerial Accounting ACC210 3 BUS210 e-Marketing 3 **BUS205** Entrepreneurship **PROGRAM REQUIREMENTS** 43 3 **BUS110** Transportation Logistics and **ACC110 Financial Accounting** 3 ACC210 Managerial Accounting 3 Supply Chain Management BUS101 Introduction to Business COM... COM100 Speech Communication 3 3 or COM102 Public Speaking **BUS104 Customer Service** 3 **BUS105 Business Communications** 3 Humanities Elective\*\* 3 BUS107 e-Tailing 15 3 **BUS205** Entrepreneurship 3 **Fourth Semester** or **BUS110 Transportation Logistics and Supply Chain Management** BUS207 Principles of Management 3 **BUS207 Principles of Management** 3 **BUS211** Internet Law 3 BUS210 e-Marketing 3 **BUS271** e-Commerce 3 **BUS211 Internet Law** 3 INF228 **Excel for Problem Solving** 1 BUS271 e-Commerce 3 ECO101 Macroeconomics 3 **INF114 Microsoft Office** 3 **Humanities Elective\*\*** 3 INF146 Web Development 3 16 **INF163 Internet Concepts & Applications** 3

## Specific Program Notes

**TOTAL CREDITS** 

INF228 Excel for Problem Solving

\*Select one of the following: MAT150, MAT155, MAT180, 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.

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<sup>\*\*</sup>General Education Elective(s) - see page 1.

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Program: Business Administration – Management Information Systems Degree: Associate in Applied Science Code: AAS.BUS.INFO.SYS **GENERAL EDUCATION REQUIREMENTS** 21-22 RECOMMENDED SEMESTER SEQUENCE Communication 6 **First Semester** Introduction to Business WRT101 English Composition I BUS101 3 WRT... WRT201 English Composition II or 3 INF101 Intro to Information Technology WRT202 Technical Writing INF... Programming Language Fundamentals Elective\* **Humanities Electives\*\*\*** MAT. Mathematics Elective† 6 Two general education courses selected from the following WRT101 **English Composition I** 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 **Second Semester** and Religion (PHR); World Languages and Cultures (LAN). ACC110 Financial Accounting **BUS207** Principles of Management ĪNF... Social Science Course: ECO101 Macroeconomics 3 Advanced Programming Language Elective\*\* INF114 Microsoft Office Mathematics, Natural Science, & Technology\* 3-4 WRT201 English Composition II MAT... Mathematics Elective† WRT... or WRT202 Technical Writing **Additional General Education Course:** ECO101 Macroeconomics 3 COM... COM100 Speech Communication or COM102 Public Speaking **Third Semester** ACC210 Managerial Accounting **PROGRAM REQUIREMENTS** 43 BUS201 Marketing Principles INF217 Database for Applications [Oracle] **ACC110 Financial Accounting** 3 ACC210 Managerial Accounting 3 COM... COM100 Speech Communication **BUS101 Introduction to Business** 3 or COM102 Public Speaking **BUS201 Marketing Principles** Humanities Elective\*\* 3 **BUS207 Principles of Management** 3 BUS271 e-Commerce 3 **Fourth Semester** BUS210 e-Marketing Restricted Elective‡ INF... Programming Language Fundamentals Elective 3 **BUS271** e-Commerce INF... Advanced Programming Language Elective 3 INF101 Intro to Information Technology 3 BUS210 e-Marketing INF114 Microsoft Office 3 INF160 Networking Technologies and INF160 Networking Technologies and 3 **Data Communications** 

TOTAL CREDITS 64-65

# **Specific Program Notes**

..... Restricted Elective‡

- \*Programming Language Fundamentals Elective INF145, INF152, INF153.
- \*\*Advanced Programming Language Elective INF224, INF246, INF268.
- \*\*\*General Education Elective(s) see page 1.

**Data Communications** 

INF228 Excel for Problem Solving

INF208 Systems Analysis and Design‡‡

INF217 Database for Applications [Oracle]

- †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.

**INF208** 

INF228

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Systems Analysis and Design‡‡

Excel for Problem Solving Humanities Elective\*\*\*

Program: Business Administration - Publishing Operations and Management Degree: Associate in Applied Science Code: AAS.BUS.PUB **GENERAL EDUCATION REQUIREMENTS** 21-22 RECOMMENDED SEMESTER SEQUENCE Communication 6 WRT101 English Composition I ACC110 Financial Accounting 3 3 WRT... WRT201 English Composition II or 3 BUS101 Introduction to Business 3 WRT202 Technical Writing Principles of Publishing Operations 3 **BUS1XX** INF119 Document Processing with MS Word 3 Microsoft Excel **Humanities Electives\*** 6 **INF124** 1 Two general education courses selected from the following WRT101 **English Composition I** 3 fields, with no more than one course in any one field: 16 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy **Second Semester** and Religion (PHR); World Languages and Cultures (LAN). ACC210 Managerial Accounting 3 BUS105 **Business Communications** 3 Social Science Course: ECO101 Macroeconomics COM201 3 3 Introduction to Journalism WRT... WRT201 English Composition II 3 Mathematics, Natural Science, & Technology\* 3-4 or WRT202 Technical Writing WRT2XX Writing for Professional Purposes MAT150... Statistics I 3 3 WRT2XX Reference and Citation Integrity **Additional General Education Course:** 3 16 COM... COM100 Speech Communication or COM102 Public Speaking Third Semester Two-Dimensional Design ART122 3 PROGRAM REQUIREMENTS Social Networking in Business 44 BUS120 3 **ACC110 Financial Accounting** 3 BUS201 Marketing Principles 3 ACC210 Managerial Accounting Copy Editing 3 3 COM2XX ART122 Two-Dimensional Design 3 MAT150 Statistics I 3 **BUS101 Introduction to Business** 3 **Humanities Elective\*** 3 **BUS1XX** Principles of Publishing Operations 3 18 **BUS105 Business Communications** 3 **BUS120 Social Networking in Business** 3 **Fourth Semester** BUS... **BUS201 Marketing Principles** 3 Restricted Business Elective\*\* 3 BUS... Restricted Business Elective\*\* 3 COM... COM100 Speech Communication 3 COM110 Print Journalism Production 3 or COM102 Public Speaking COM201 Introduction to Journalism 3 COM110 Print Journalism Production 3 COM2XX Copy Editing 3 ECO101 Macroeconomics 3 INF119 Document Processing with Microsoft Word Humanities Elective\* 3 3 15 INF124 Microsoft Excel 1

# **Specific Program Notes**

**TOTAL CREDITS** 

WRT2XX Writing for Professional Purposes

WRT2XX Reference and Citation Integrity

\*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.

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# ASSOCIATE IN APPLIED SCIENCE (A.A.S.) DEGREE **BUSINESS TECHNOLOGIES PROGRAMS IN HOTEL/RESTAURANT/HOSPITALITY**

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	RECOMMENDED SEMESTER SEQUENCE		
Communication	6	First Sem	ester	
WRT101 English Composition I	3	BUS101	Introduction to Business	3
WRT WRT201 English Composition II or	3	HRM101	Intro to Hospitality Management	3
WRT202 Technical Writing		HRM102	Food Protection and Safety	3
-		HRM103	Professional Food Preparation	3
Humanities Electives***	6		Techniques	
Two general education courses selected from the following		HRM106	Menu Planning and Nutrition	1
fields, with no more than one course in any one field:		WEX163	Nutrition Today	3
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema				16
Studies [CIN]); History (HIS); Literature (LIT); Philosophy				
and Religion (PHR); World Languages and Cultures (LAN).		Second S	emester	
		BUS103	Business Mathematics	3
Social Science Elective***	3		Hotel/Restaurant/Hospitality	5
One general education course selected from the following			Electives*	
fields: Economics (ECO); Geography (GEO); Political			Restricted Electives**	6
Science (POL); Psychology (PSY); Sociology (SOC) and		WRT101	English Composition I	3
Anthropology (ANT).				17
Mathematics, Natural Science, & Technology***	3-4	Third Sen	nester	
One general education course to be selected from the	3-4		Hotel/Restaurant/Hospitality	6
following fields: Mathematics (MAT); Computer Science (CIS)			Electives*	U
Information Technology (INF); Biology (BIO); Chemistry (CHM);			Humanities Elective***	3
Physics (PHY).			Math/Computer Science/Natural	3-4
111/3/03 (1111).			Science/Technology Elective***	0 4
Additional General Education Elective***	3	WRT201	English Composition II	3
	-		g	15-16
PROGRAM REQUIREMENTS	44			
BUS101 Introduction to Business	3	Fourth Se	mester	
BUS103 Business Mathematics	3	HRM217	Issues in the Hospitality Industry	2
HRM101 Intro to Hospitality Management	3		Hotel/Restaurant/Hospitality	3
HRM102 Food Protection and Safety	3		Elective*	

# **TOTAL CREDITS**

..... Restricted Electives\*\*

WEX163 Nutrition Today

**Specific Program Notes** 

HRM106 Menu Planning and Nutrition

HRM217 Issues in the Hospitality Industry

..... Hotel/Restaurant/Hospitality Electives\*

\*Hotel/Restaurant/Hospitality Electives may be satisfied by courses in Accounting, Business Administration, and

HRM103 Professional Food Preparation Techniques

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

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Restricted Elective\*\*

Humanities Elective\*\*\*

Social Science Elective\*\*\*

General Education Elective\*\*\*

3

Hotel/Restaurant/Hospitality.

\*\*The Restricted Elective requirements may be satisfied by course in Accounting, Business Administration, and Hotel/Restaurant/Hospitality.

<sup>\*\*\*</sup>General Education Elective(s) - see page 1.

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.

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# 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:

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\*

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\*

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\*

PROGRAM REQUIREMENTS  ACC206 Hospitality Accounting BUS101 Introduction to Business BUS103 Business Mathematics HRM101 Intro to Hospitality Management HRM102 Food Protection and Safety HRM103 Professional Food Preparation Techniques HRM106 Menu Planning and Nutrition HRM108 Computer Applications for the Hospitality Industry HRM201 Food and Beverage Cost Control HRM202 Quantity Food Production & Service** HRM203 Beverage Management HRM204 Food Purchasing HRM205 Restaurant Service Management HRM206 Commercial Restaurant Operation*** HRM207 Hotel Sales & Convention Planning HRM213 Classical Garde-Manger** HRM214 Banquet & Catering Management HRM217 Issues in the Hospitality Industry	44 3 3 3 3 3 1 1 1 3 2 2 3 3 1 3 3 2 2 2 2
HRM462 Co-Op Work Experience (H/R/H)  TOTAL CREDITS	2 <b>65-66</b>
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	3
	Techniques	
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	1
	Hospitality Industry	
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	3
	Service**	
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	3
	Operation***	
HRM207	Hotel Sales & Convention Planning	1
HRM213	Classical Garde-Manger**	3
HRM217	Issues in Hospitality Industry	2
	Humanities Elective*	3
	Math/Computer Science/Natural	3-4
	Science/Technology Elective*	
		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.

Program: Business Technologies – Hotel/Restaurant/Hospitality – Culinary Entrepreneurship

Degree: Associate in Applied Science

Code: AAS.BT.HR.CUL.EPR

Business Technologies, Hotel/Restaurant/Hospitality - Culinary Entrepreneurship This program option consists of foundation classes for culinary students or professionals who are looking for alternative ways to earn income in the culinary industry. This program is geared to professionals who want to break out of a particular niche or specialty within the culinary industry or to students enrolled in traditional cooking and hospitality programs who want broader exposure to the industry than is provided in the typical culinary arts curriculum.

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# GENERAL EDUCATION REQUIREMENTS 21-22 Communication 6 WRT101 English Composition I 3 WRT... WRT201 English Composition II or WRT202 Technical Writing 3

# **Humanities Electives\***

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\*

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\*

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\*

PROGRAM REQUIREMENTS	43
ACC206 Hospitality Accounting	3
BUS101 Introduction to Business	3
BUS205 Entrepreneurship	3
HRM101 Intro to Hospitality Management	3
HRM102 Food Protection	3
HRM103 Professional Food Preparation Techniques	3
HRM106 Menu Planning and Nutrition	1
HRM108 Computer Applications/Hospitality Industry	1
HRM110 Introduction to Baking	3
HRM129/BUS129 Event Planning & Management I	3
HRM201 Food and Beverage Cost Control	1
HRM205 Restaurant Service Management	3
HRM213 Classical Garde-Manger**	3
HRM214 Banquet and Catering Management	3
HRM219/LGL219 Hospitality Law	3
HRM462 Co-Op Work Experience (H/R/H)	2
HRT115 Floral Design	3

#### RECOMMENDED SEMESTER SEQUENCE

#### **First Semester**

BUS101	Introduction to Business	3
HRM101	Intro to Hospitality Management	3
HRM102	Food Protection and Safety	3
HRM103	Professional Food Preparation Techniques	3
HRM106	Menu Planning and Nutrition	1
HRM110	Introduction to Baking	3
		16

#### Second Semester

0000a 0	000.0.	
HRM108	Computer Applications/	1
	Hospitality Industry	
HRM201	Food and Beverage Cost Control	1
HRM214	Banquet & Catering Management	2
HRM/LGL2	219 Hospitality Law	3
WRT101	English Composition I	3
	Humanities Elective*	3
	Social Science Elective*	3
		16

# **Third Semester**

ACC206	Hospitality Accounting	3
HRM205	Restaurant Service Management	3
WRT201	English Composition II	3
	Math/Computer Science/Natural	3-4
	Science/Technology Elective*	
	General Education Elective*	3
		15-16

# **Fourth Semester**

BUS205	Entrepreneurship	3
HRM/BUS	129 Event Planning & Management I	3
HRM213	Classical Garde-Manger**	3
HRM462	Co-Op Work Experience (H/R/H)	2
HRT115	Floral Design	3
	Humanities Elective*	3
		17

# TOTAL CREDITS 64-65

# Specific Program Notes

- \*General Education Course List see page 1.
- \*\*Class offered only during fall semester.

Students enrolled in this program ARE <u>NOT</u> REQUIRED to successfully complete a course in basic algebra if indicated by Placement Testing.

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.

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# GENERAL EDUCATION REQUIREMENTS 21-22 Communication 6 WRT101 English Composition I 3 WRT... WRT201 English Composition II or WRT202 Technical Writing 3

#### **Humanities Electives\*\***

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\*\*

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\*\*

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\*\*

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

#### 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/BUS	129 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 Plannin	<del>g</del> 1
HRM/BUS2	229 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

**TOTAL CREDITS** 

\*\*Class offered only during fall semester.

Students enrolled in this program ARE <u>NOT</u> REQUIRED to successfully complete a course in basic algebra if indicated by Placement Testing.

<sup>\*\*</sup>General Education Course List – see page 1.

# ASSOCIATE IN APPLIED SCIENCE (A.A.S.) DEGREE BUSINESS TECHNOLOGIES PROGRAMS IN HOTEL/RESTAURANT/HOSPITALITY

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 RECOMMENDED SEMESTER SEQUENCE 6 Communication First Semester WRT101 English Composition I Introduction to Business 3 BUS101 3 WRT... WRT201 English Composition II or 3 HRM101 Intro to Hospitality Management 3 WRT202 Technical Writing Food Protection and Safety HRM102 3 HRM103 **Professional Food Preparation** 3 **Humanities Electives\*\*** 6 Techniques Two general education courses selected from the following HRM106 Menu Planning and Nutrition 1 WRT101 fields, with no more than one course in any one field: English Composition I 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema 16 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). **Second Semester** Hospitality Accounting ACC206 3 Social Science Elective\*\* 3 BUS103 **Business Mathematics** 3 One general education course selected from the following HRM217 Issues in the Hospitality Industry 2 fields: Economics (ECO); Geography (GEO); Political Co-Op Work Experience (H/R/H) HRM462 2 Science (POL); Psychology (PSY); Sociology (SOC) and WRT201 English Composition II 3 Humanities Elective\*\* 3 Anthropology (ANT). 16 Mathematics, Natural Science, & Technology\*\* 3-4 One general education course to be selected from the **Third Semester** following fields: Mathematics (MAT); Computer Science (CIS) HRM104 Front Office Procedures Information Technology (INF); Biology (BIO); Chemistry (CHM); HRM108 Computer Applications/ Physics (PHY). Hospitality Industry HRM202 Quantity Food Production/Service\* 3 Food Purchasing Additional General Education Elective\*\* HRM204 2 3 HRM205 Restaurant Service Management 3 **PROGRAM REQUIREMENTS** 44 HRM/LGL219 Hospitality Law 3 ACC206 Hospitality Accounting 3 Social Science Elective\*\* 3 **BUS101 Introduction to Business** 3 17 **BUS103 Business Mathematics** 3 HRM101 Intro to Hospitality Management 3 **Fourth Semester** HRM102 Food Protection 3 HRM201 Food and Beverage Cost Control HRM103 Professional Food Preparation Techniques 3 HRM203 2 Beverage Management HRM104 Front Office Procedures 2 HRM206 Commercial Restaurant Operation\*\* 3 HRM106 Menu Planning and Nutrition 1 HRM207 Hotel Sales & Convention Planning 1 HRM108 Computer Applications/ 1 Math/Computer Science/Natural 3-4 . . . . . . HRM201 Food and Beverage Cost Control Science/Technology Elective\* 1 HRM202 Quantity Food Production and Service \* 3 Humanities Elective\*\* 3 HRM203 Beverage Management General Education Elective\*\* 2 3 2 HRM204 Food Purchasing 16-17 HRM205 Restaurant Service Management 3 HRM206 Commercial Restaurant Operation\*\*\* 3 HRM207 Hotel Sales & Convention Planning 1

### Specific Program Notes, continued

HRM217 Issues in the Hospitality Industry

HRM462 Co-Op Work Experience (H/R/H)

HRM219/LGL219 Hospitality Law

**TOTAL CREDITS** 

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 <u>NOT</u> REQUIRED to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

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Specific Program Notes

\*Class offered only during fall semester.

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

\*\*\*Class offered only during spring semester.

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Program: Business Technologies – Information Technology – Office Technology Degree: Associate in Applied Science

Code: AAS.BT.OFF.TECH

GENERAL EDUCATION REQUIREMENTS	21-22
Communication	6
WRT101 English Composition I	3
WRT WRT201 English Composition II or	3
WRT202 Technical Writing	

# **Humanities Electives\*\***

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\*\*

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\*\* One general education course to be selected from the following fields: Mathematics (MAT); Computer Science (CIS)

following fields: Mathematics (MAT); Computer Science (CIS) Information Technology (INF); Biology (BIO); Chemistry (CHM); Physics (PHY).

### Additional General Education Elective\*\*

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

#### 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	3
	or WRT202 Technical Writing	
		18

## Third Semester

INF217	Database for Applications [Oracle]	3
ACC120	Computerized Accounting	3
INF253	Technical Communications	3
	Math/Computer Science/Natural	3-4
	Science/Technology Elective**	
	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**

**TOTAL CREDITS** 

\*Credit by Exam may be available.

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

<sup>\*\*</sup>General Education Elective(s) - see page 1.

<sup>\*\*\*</sup>Restricted Electives – Select two: INF108; INF150; INF160; INF230; or WEX101 and INF165.

\*\*\*Highly recommended: take SOC101 before taking

‡‡Highly recommended: CRJ463 Coo-Op Education

†Highly recommended: PSY101.

‡Highly recommended: PHR102.

Program: Human Services - Correctional Studies Degree: Associate in Applied Science Code: AAS.HS.CORR **GENERAL EDUCATION REQUIREMENTS** 21-22 RECOMMENDED SEMESTER SEQUENCE Communication 6 Introduction to Criminal Justice\* WRT101 English Composition I CRJ101 3 3 WRT... WRT201 English Composition II or 3 CRJ102 Introduction to Corrections\* 3 WRT202 Technical Writing English Composition I 3 **WRT101** Humanities Elective\* 3 **Humanities Electives\*\*** Social Science Elective\*\*† 6 3 Two general education courses selected from the following WEX101 Dynamics of Health & Fitness 2 17 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 **Second Semester** and Religion (PHR); World Languages and Cultures (LAN). CRJ108 Topics in Criminal Justice 3 CRJ113 The Juvenile Justice Process 3 Social Science Elective\*\* POL104 State & Local Government 3 3 One general education course selected from the following SOC101 Sociology\*\*\* 3 **English Composition II** fields: Economics (ECO); Geography (GEO); Political WRT201 3 Science (POL); Psychology (PSY); Sociology (SOC) and WEX... Dynamics of Health & Fitness Exp 1 Anthropology (ANT). (WEX201, 204, 205, 206, or 208) 16 Mathematics, Natural Science, & Technology\*\* 3-4 One general education course to be selected from the Third Semester following fields: Mathematics (MAT); Computer Science (CIS) CRJ107 Criminology\*\* 3 Correctional Administration\* Information Technology (INF); Biology (BIO); Chemistry (CHM); CRJ114 3 Physics (PHY). LIT220 Social Aspects of Literature 3 SOC103 Sociology of the Family 3 **Additional General Education Course:** 3 Math/Computer Science/Natural 3-4 COM... COM100 Speech Communication or Science/Technology Elective\*\* COM102 Public Speaking 15-16 **PROGRAM REQUIREMENTS** 39 **Fourth Semester** CRJ101 Introduction to Criminal Justice\* Correctional Law\* CRJ115 3 3 PSY102 Intro to Abnormal Psychology CRJ102 Introduction to Corrections\* 3 CRJ103 Criminal Law 3 3 CRJ107 Criminology\*\*\* Psychology of Human Relations 3 **PSY104** CRJ108 Topics in Criminal Justice 3 SOC113 Social Problems 3 CRJ113 The Juvenile Justice Process COM100 Speech Communication COM... 3 3 CRJ114 Correctional Administration\* 3 or COM102 Public Speaking CRJ115 Correctional Law\* 3 Humanities Elective\*\*‡ 3 . . . . . . POL104 State & Local Government 3 Free Elective ## 2 . . . . . . PSY102 Intro to Abnormal Psychology 3 PSY104 Psychology of Human Relations 3 SOC101 Sociology\*\* Specific Program Notes SOC103 Sociology of the Family 3 SOC113 Social Problems 3 \*Highly recommended: take CRJ102 before taking CRJ114 and CRJ115. PROGRAM SUPPORT REQUIREMENTS 3 \*\*General Education Elective(s) - see page 1.

### Specific Program Notes, continued

WEX101 Dynamics of Health & Fitness

**FREE ELECTIVE** 

**TOTAL CREDITS** 

WEX... Dynamics of Health & Fitness Exp

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

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CRJ107.

[Corrections]

Program: Human Services - Law Enforcement Studies Degree: Associate in Applied Science Code: AAS.HS.LAWENF **GENERAL EDUCATION REQUIREMENTS** 21-22 RECOMMENDED SEMESTER SEQUENCE Communication 6 WRT101 English Composition I CRJ101 Introduction to Criminal Justice\* 3 3 WRT... WRT201 English Composition II or SOC101 3 Sociology\*\* 3 WRT202 Technical Writing English Composition I 3 **WRT101** Humanities Elective\*\*\*† 3 **Humanities Electives\*\*\*** 6 Social Science Elective\*\*\*‡ 3 Two general education courses selected from the following WEX101 **Dynamics of Health & Fitness** 2 17 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 **Second Semester** and Religion (PHR); World Languages and Cultures (LAN). CRJ109 Contemporary Issues in Policing 3 CRJ113 The Juvenile Justice Process 3 Social Science Elective\*\*\* POL104 3 3 State & Local Government Sociology of the Family One general education course selected from the following SOC103 3 fields: Economics (ECO); Geography (GEO); Political WRT201 English Composition II 3 Science (POL); Psychology (PSY); Sociology (SOC) and WEX... Dynamics of Health & Fitness Exp 1 Anthropology (ANT). (WEX201, 204, 205, 206, or 208) 16 Mathematics, Natural Science, & Technology\*\*\* 3-4 One general education course to be selected from the Third Semester following fields: Mathematics (MAT); Computer Science (CIS) Police Administration\* CRJ105 3 Information Technology (INF); Biology (BIO); Chemistry (CHM); CRJ111 Criminal Investigation 3 Physics (PHY). LIT220 Social Aspects of Literature 3 SOC113 Social Problems 3 **Additional General Education Course:** 3 Math/Computer Science/Natural 3-4 COM... COM100 Speech Communication or Science/Technology Elective\*\*\* COM102 Public Speaking 15-16 **PROGRAM REQUIREMENTS** 39 **Fourth Semester** CRJ103 Criminal Law\* CRJ101 Introduction to Criminal Justice\* 3 3 CRJ107 CRJ103 Criminal Law\* 3 Criminology\*\* 3 CRJ105 Police Administration\* 3 COM... COM100 Speech Communication 3 or COM102 Public Speaking CRJ107 Criminology\*\* 3 CRJ109 Contemporary Issues in Policing 3 PSY102 Intro to Abnormal Psychology **CRJ111 Criminal Investigation** 3 3 Psychology of Human Relations CRJ113 The Juvenile Justice Process 3 **PSY104** Humanities Elective\*\*\*‡‡ POL104 State & Local Government 3 3 PSY102 Intro to Abnormal Psychology Free Elective 2 3 PSY104 Psychology of Human Relations 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

# **Specific Program Notes**

**FREE ELECTIVE** 

**TOTAL CREDITS** 

\*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.

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Program: Human Services – Legal Studies – Paralegal

Degree: Associate in Applied Science

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Code: AAS.LS.PARALGL

GENERAL EDUCATION REQUIREMENTS	21-22
Communication	6
WRT101 English Composition I	3
WRT WRT201 English Composition II or	3
WRT202 Technical Writing	

#### **Humanities Electives\***

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\*

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\*

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:**

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**

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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	3
	Paralegals**	
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	3-4
	Science/Technology Elective*	
	Humanities Elective*†	3
		18-19

# Fourth Semester

LGL206	Mechanics of Commercial	3
	Transactions**	
LGL210	Legal Accounting I**	3
LGL234	Personal Injury and Product	3
	Liability**	
LGL462	Co-Op Work Exp [Paralegal]	2
COM	COM100 Speech Communication	3
	or COM102 Public Speaking	
		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 <u>NOT</u> 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.

Program: Music - Music Business Option Degree: Associate in Applied Science Code: AAS.MUSC.MUS.BUS **GENERAL EDUCATION REQUIREMENTS** Communication WRT101 English Composition I WRT... WRT201 English Composition II or WRT202 Technical Writing **Humanities Electives\*** 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** Mathematics, Natural Science, & Technology\* 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:\* **PROGRAM REQUIREMENTS** ACC110 Financial Accounting **BUS101 Introduction to Business BUS105 Business Communications** COM101 Mass Media of Communication MUS152 Introduction to the Music Business MUS163 Careers in Music MUS252 Music in the Marketplace MUS262 Concert Promotion & Production MUS462 Co-Op Work Exp [Music]

RECOMMENDED	SEMESTER	SEQUENCE

#### First Semester

21-22

3

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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	3
	or WRT202 Technical Writing	
		15

# **Third Semester**

MUS262	Concert Promotion & Production	3
MUS	Music Elective	3
BUS105	Business Communications	3
ECO101	Macroeconomics	3
	Math/Computer Science/Natural	3-4
	Science/Technology Elective*	
		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

**TOTAL CREDITS** 

MUS... Music Electives

BUS... Business Elective

INF... Information Technology Elective

COM... Communication Elective

\*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]) 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, 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, CHM112, and MAT040 (if indicated by Placement Testing). Application Deadline: February 1; Program Admits: Fall semester Eligible candidates are invited to sit for the Dental Hygiene Admissions Examination.

GENERAL EDUCATION REQUIREMENTS	20	RECOMM	ENDED SEMESTER SEQUENCE	
Communication	6	First Sem	ester	
WRT101 English Composition I	3	BIO104	Microbiology	4
WRT201 English Composition II	3	BIO109	Anatomy & Physiology I	4
THE STATE OF THE S	ŭ	DHY101	Oral Hygiene I	3
Humanities* and Social Sciences	6	DHY108	Dental & Oral Anatomy &	2
One general education course selected from the	3	2	Physiology	_
Following fields: Arts (Art [ART], Music [MUS],	-	DHY109	Oral Embryology & Histology	2
Theatre Arts [THR], Cinema Studies [CIN]), History (HIS),		2111100	c.a. zz.yo.ogy a.r.noto.ogy	15
Literature (LIT); Philosophy and Religion (PHR),				
World Languages and Cultures (LAN), Economics (ECO), . Geography (GEO), Political Science (POL), Sociology (SOC), Anthropology (ANT)		Second S		
		BIO209	Anatomy & Physiology II	4
PSY101 General Psychology	3	DHY201	Oral Hygiene II	3
		DHY205	Dental Radiology	3
Mathematics, Natural Sciences, & Technology	8	DHY209	Periodontology I	1
BIO109 Anatomy & Physiology I	4	WRT101	English Composition I	3
BIO209 Anatomy & Physiology II	4	Huma	anities Elective	3
				17
PROGRAM REQUIREMENTS	36	Summer S	Session	
DHY101 Oral Hygiene I	3	DHY200	Pharmacology for Dental Hygiene	2
DHY201 Oral Hygiene II	3	DHY220	Local Anesthesia	1
DHY202 Oral Hygiene III	4	WRT201	English Composition II	3
DHY203 Oral Hygiene IV	4		z.i.g.icii Goilipooliicii ii	6
DHY108 Dental & Oral Anatomy & Physiology	2			
DHY109 Oral Embryology & Histology	2	Third Sen	nester	
DHY200 Pharmacology for Dental Hygiene	2	DHY202	Oral Hygiene III	4
DHY204 Dental Materials	2	DHY204	Dental Materials	2
DHY205 Dental Radiology	3	DHY206	Community Oral Health I	2
DHY206 Community Oral Health I	2	DHY207	General & Oral Pathology	3
DHY216 Community Oral Health II	1	DHY219	Periodontology II	1
DHY207 General & Oral Pathology	3	COM100	Speech	3
DHY209 Periodontology I	1		-1	_
DHY219 Periodontology II	1			15
DHY214 Nutrition in Dental Health	2			
DHY220 Local Anesthesia	1	Fourth Se	emester	
		DHY203	Oral Hygiene IV	4
PROGRAM SUPPORT REQUIREMENTS	10	DHY214	Nutrition in Dental Health	2
BIO104 Microbiology	4	DHY216	Community Oral Health II	1
SOC101 Sociology	3	PSY101	General Psychology	3
COM100 Speech Communication	3	SOC101	Sociology	3
TOTAL CREDITS	66			13
		<u> </u>		
		<u> </u>		

# **Specific Program Notes**

\*General Education Course List - see page 1.

The Basic Skills test must be taken and all Basic Skills English and Remedial Math courses must be completed PRIOR to the application deadline, February 1.

Program: Health Professions - Diagnostic Medical Sonography

Degree: Associate in Applied Science

‡Offered only in spring semesters.

All DMS courses must be taken in the specified sequence.
Students enrolled in this program ARE REQUIRED to successfully

complete a course in basic algebra if indicated by Placement Testing.

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 MAT040 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		RECOMM	ENDED SEMESTER SEQUENCE	
Communication	6	First Sem	ester	
WRT101 English Composition I	3	BIO109	Anatomy & Physiology I	4
WRT WRT201 English Composition II or	3	DMS101	Ultrasound Physics and	2
WRT202 Technical Writing			Instrumentation I†	
		DMS102	Clinical Medicine & Patient Care†	2
Humanities* and Social Sciences	6	DMS113	Abdominal Sonography I†	3
One 3-credit general education Humanities elective to be	3	DMS115	Cross-Sectional Anatomy†	4
selected from the following fields: Arts (Art [ART],		WRT101	English Composition I	3
Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]);				18
History (HIS); Literature (LIT); Philosophy and Religion (PHR);				
World Languages and Cultures (LAN).		Second S		
		BIO209	Anatomy & Physiology II	4
Social Science Course: PSY101 General Psychology	3	DMS201	Ultrasound Physics and	2
			Instrumentation II‡	
Mathematics, Natural Sciences, & Technology	8	DMS204	Introduction to Medical Imaging‡	1
BIO109 Anatomy & Physiology I	4	DMS205	Obstetric and Gynecological	3
BIO209 Anatomy & Physiology II	4		Sonography‡	
		DMS213	Abdominal Sonography II‡	3
PROGRAM REQUIREMENTS	43	DMS218	Ultrasound Clinic I‡	1
DMS101 Ultrasound Physics and Instrumentation I†	2	WRT201	. English Composition II	3
DMS201 Ultrasound Physics and Instrumentation II‡	2			17
DMS102 Clinical Medicine & Patient Care†	2			
DMS113 Abdominal Sonography I†	3	Summer S		
DMS213 Abdominal Sonography II‡	3	DMS219	Ultrasound Clinic II-Abdomen	2
DMS115 Cross-Sectional Anatomy†	4			2
DMS204 Introduction to Medical Imaging‡	1	Thind Com		
DMS205 Obstetric and Gynecological Sonography‡	3	Third Sen		
DMS214 Echocardiography I† DMS227 Echocardiography II‡	3 3	DMS214 DMS220	Echocardiography I†	3
	_		Ultrasound Clinic III-OB/GYN† OB Sonography II†	2
DMS218 Ultrasound Clinic I‡ DMS219 Ultrasound Clinic II-Abdomen	1 2	DMS226 DMS229	Vascular Imaging†	3
DMS220 Ultrasound Clinic III-Abdomen  DMS220 Ultrasound Clinic III-OB/GYN†	2	-	Humanities Elective*	3
	2		Humanities Elective	13
DMS221 Ultrasound Clinic IV-Echocardiography‡ DMS222 Ultrasound Clinic V-Vascular	1			13
DMS226 OB Sonography II†	3	Fourth Se	montor	
DMS228 Advanced Ultrasound Practices‡	3 1	DMS221	Ultrasound Clinic IV-	2
DMS229 Vascular Imaging†	2	DIVIGEZI	Echocardiography‡	2
DMS230 Comprehensive Review	3	DMS227	Echocardiography II‡	3
Divid230 Comprehensive Review	3	DMS228	Advanced Ultrasound Practices‡	1
FREE ELECTIVE	3	PSY101	General Psychology	3
TREE ELECTIVE	3		Free Elective	3
			1 TOO ETOORIVE	12
TOTAL CREDITS	66			12
TOTAL SILESTIC	00	Summer S	Semester	
		DMS222	Ultrasound Clinic V-Vascular	1
Specific Program Notes		DMS230	Comprehensive Review	3
*General Education Course List – see page 1.			Fremenia	4
†Offered only in fall semesters.				
+O((				

See the Course Descriptions section in the BCC

for course pre- and co-requisites.

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Program: Health Professions - Health Science

Degree: Associate in Applied Science

Code: AAS.HP.HEALTH.SCI
GPA for admissions eligibility: 2.50
Application Deadline: February 1
Program Admits: Fall and Spring semester

Note: Qualified students will be awarded 30 transfer credits. The credits will be applied to the degree in Health Science upon the completion of the curriculum. It is essential to understand that this program does not entitle the graduate eligibility to advanced

certification or licensure within the Health Professions discipline.

Students who enter into this program must be aware of the Bergen Community College policy on the number of credits that must be taken at the College. Students enrolled in the AAS degree in Health Sciences must satisfy the English, Mathematics, and Algebra basic skills requirements.

Applicant must have graduated from a program that has acceptable accreditation agencies that is comparable to our Health Professions disciplines. Transcripts and credentials will be evaluated by an appointed admissions committee.

#### **GENERAL EDUCATION REQUIREMENTS** 20-22 Communication 6 WRT101 English Composition I 3 WRT... WRT201 English Composition II or 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 Sciences, & Technology\*8Natural 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

# WEX101 Dynamics of Health & Fitness

**First Semester** 

WRT101

. . . . . .

Second Se	mester	
WRT201	English Composition II	3
	Humanities Elective*	3
	Social Science Elective*†	3
	Natural Science Elective*‡	4
WEX	Dynamics of Health & Fitness Exp	1
	(WEX201, 204, 205, 206, or 208)	
	Free Elective*	3
		17

RECOMMENDED SEMESTER SEQUENCE

English Composition I

Humanities Elective\*

Elective\*

Social Science Elective\*†

Natural Science Elective\*‡

Mathematics/Computer Science

# **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

35

‡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.

Code: AAS.HP.MOA **GENERAL EDUCATION REQUIREMENTS** 20-22 RECOMMENDED SEMESTER SEQUENCE Communication 6 **First Semester** English Composition I WRT101 English Composition I WRT101 3 3 Anatomy & Physiology I WRT... WRT201 English Composition II or 3 BIO109 4 WRT202 Technical Writing Document Processing with MW 3 INF119 Medical Terminology MOA140 3 **Humanities\* and Social Sciences** Intro to Medical Assisting 6 **MOA141** 3 One general education course selected from the 3 16 Following fields: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); Second Semester History (HIS); Literature (LIT); Philosophy and WRT201 English Composition II WRT... 3 Religion (PHR); World Languages and Cultures (LAN). or WRT202 Technical Writing WEX101 2 Dynamics of Health & Fitness PSY101 General Psychology 3 BIO209 Anatomy & Physiology II 4 INF114 Microsoft Office 3 Mathematics, Natural Sciences, & Technology 8 MOA240 Clinical Office Practice 4 16 BIO109 Anatomy & Physiology I 4 BIO209 Anatomy & Physiology II 4 Third Semester **PROGRAM REQUIREMENTS** 33 WEX159 CPR & Emergency 3 MOA140 Medical Terminology MOA218 Medical Economics 2 3 MOA141 Intro to Medical Assisting 3 MOA241 4 Clinical Lab Technology MOA145 Med Office Assisting Overview 3 MOA243 Med Office Asst Externship I 1 MOA200 Pharmacology for MOA 2 MOA203 Med Asst Admin Procedures I 3 MOA201 Diagnostic & Procedural Coding 3 4 **Humanities Elective\*** MOA203 Med Asst Admin Procedures I 3 16 MOA204 Med Asst Admin Procedures II 3 MOA218 Medical Economics 2 **Fourth Semester** General Psychology MOA240 Clinical Office Practice 4 PSY101 3 MOA241 Clinical Lab Technology 4 MOA200 Pharmacology for MOAs 2 MOA145 3 MOA243 Med Office Asst Externship I 1 Med Office Assisting Overview MOA244 Med Office Asst Externship II MOA201 Diagnostic & Procedural Coding 1 4 MOA244 Med Office Asst Externship II 1 PROGRAM SUPPORT REQUIREMENTS MOA204 Med Asst Admin Procedures II 3 11 **INF114 Microsoft Office** 3 16

# Specific Program Notes

**TOTAL CREDITS** 

WEX159 CPR & Emergency

\*General Education Course List - see page 1.

INF119 Document Processing with MW

WEX101 Dynamics of Health & Fitness

Program: Health Professions - Medical Office Assistant

Degree: Associate in Applied Science

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

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Program: Health Professions - Paramedic Science

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

Required General Education prerequisite courses: BIO109, BIO209, MAT-100 elective, PSY101, PSY201, SOC101, WRT101,

WRT201 or WRT202.

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 RECOMMENDED SEMESTER SEQUENCE 6 Communication First Semester WRT101 English Composition I Anatomy & Physiology I 3 BIO109 4 WRT... WRT201 English Composition II or 3 Mathematics Elective\* 3 MAT... WRT202 Technical Writing PSY101 General Psychology 3 WRT101 English Composition I 3 **Humanities and Social Sciences** 6 13 PSY101 General Psychology 3 SOC101 Sociology **Second Semester** 3 BIO209 Anatomy & Physiology II 4 Mathematics, Natural Sciences, & Technology 8 PSY201 Child Psychology 3 BIO109 Anatomy & Physiology I SOC101 3 4 Sociology WRT... BIO209 Anatomy & Physiology II 4 WRT201 English Composition II 3 or WRT202 Technical Writing 13 **PROGRAM REQUIREMENTS** 40 PAR101 Principles of Paramedic Science I 4 Third Semester PAR101 Principles of Paramedic Science I PAR102 Paramedic Patient Care Techniques I 4 4 PAR103 Paramedic Diagnostic Methods I 3 PAR102 Paramedic Patient Care Techniques I 4 PAR103 PAR104 Paramedic Clinical Concepts I 3 Paramedic Diagnostic Methods I 3 PAR200 Paramedic Cardiac & Trauma Care 2 PAR104 Paramedic Clinical Concepts I 3 PAR201 Principles of Paramedic Science II 4 14 PAR202 Paramedic Patient Care Techniques II 4 PAR203 Paramedic Diagnostic Methods II 3 Winter Term PAR204 Paramedic Clinical Concepts II 3 PAR200 Paramedic Cardiac & Trauma Care 2 PAR205 Paramedic Clinical Concepts III 4 2 PAR206 Paramedic Field Externship I 4 PAR207 Paramedic Field Externship II **Fourth Semester** 2 PAR201 Principles of Paramedic Science II 4 PAR202 Paramedic Patient Care Techniques II 4 PROGRAM SUPPORT REQUIREMENTS Paramedic Diagnostic Methods II 6 PAR203 3 MAT... Mathematics Elective\* PAR204 Paramedic Clinical Concepts II 3 3 PSY201 Child Psychology 3 14 **Summer Session** PAR205 4 Paramedic Clinical Concepts III PAR206 Paramedic Field Externship I 4 Paramedic Field Externship II PAR207 2 **TOTAL CREDITS** 66 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 [I].

College substitutions: BIO109; MAT040. 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 RECOMMENDED SEMESTER SEQUENCE Communication 6 **First Semester** WRT101 English Composition I BIO109 Anatomy & Physiology 4 3 WRT... WRT201 English Composition II or 3 RAD180 Introduction to Radiography 3 WRT202 Technical Writing **RAD181** Radiography I 5 RAD182 Radiography Clinical I 1 English Composition I **Humanities and Social Sciences\*** 6 WRT101 3 Two general education courses selected from the following 16 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **Second Semester** Studies [CIN]); History (HIS); Literature (LIT); Philosophy BIO209 Anatomy & Physiology II 4 Principles of Imaging Equipment and Religion (PHR); World Languages and Cultures (LAN); RAD276 3 Economics (ECO); Geography (GEO); Political Science (POL); RAD281 Radiography II 4 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). Radiography Clinical II 2 RAD282 WRT... WRT201 English Composition II 3 Mathematics, Natural Sciences, & Technology 8 or WRT202 Technical Writing BIO109 Anatomy & Physiology I 4 16 BIO209 Anatomy & Physiology II 4 **Summer Semester** Intermediate Radiography Clinical RAD283 3 **PROGRAM REQUIREMENTS** 44 RAD280 Principles of Image Production 3 RAD180 Introduction to Radiography 6 3 RAD181 Radiography I 5 RAD182 Radiography Clinical I 1 Third Semester RAD281 Radiography II 4 RAD183 Radiographic Pathology 2 RAD282 Radiography Clinical II 2 RAD184 Advanced Imaging Equipment & 2 RAD285 Radiography III 4 Patient Care Practices RAD286 Radiography Clinical III 2 RAD285 Radiography III 4 RAD288 Radiography IV 4 RAD286 Radiography Clinical III 2 3 RAD289 Radiography Clinical IV MAT150 3 Statistics I RAD183 Radiographic Pathology 2 13 RAD184 Advanced Imaging Equipment & Patient Care Practices 2 RAD275 Therapeutic & Imaging Modalities 1 **Fourth Semester** Therapeutic & Imaging Modalities RAD276 Principles of Imaging Equipment 3 RAD275 RAD283 Intermediate Radiography Clinical RAD288 4 3 Radiography IV RAD280 Principles of Image Production 3 RAD289 Radiography Clinical IV 3 RAD290 Senior Student Seminar 3 Humanities Elective\* 3 Social Science Elective\* 3 PROGRAM SUPPORT REQUIREMENTS 14 6 MAT150 Statistics I 3 **Summer Semester** RAD290 Senior Student Seminar 3 **TOTAL CREDITS** 68 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.

14

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; MAT040.

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 completed successfully.

#### **GENERAL EDUCATION REQUIREMENTS** 20 RECOMMENDED SEMESTER SEQUENCE 6 Communication **First Semester** WRT101 English Composition I Anatomy & Physiology I 3 BIO109 4 WRT201 English Composition II 3 RSP110 Respiratory Care Pharmacology 2 RSP119 Introduction to Respiratory Care 4 **Humanities and Social Sciences\*** 6 RSP121 Respiratory Care Clinical Two general education courses selected from the following Externship I (16 hrs/wk x 9 wks = fields, with no more than one course in any one field: 144 hrs) Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema **WRT101** English Composition I Studies [CIN]); History (HIS); Literature (LIT); Philosophy 14 and Religion (PHR); World Languages and Cultures (LAN); Economics (ECO); Geography (GEO); Political Science (POL); Second Semester Psychology (PSY); Sociology (SOC) and Anthropology (ANT). BIO209 Anatomy & Physiology II 4 College Chemistry CHM112 4 Mathematics, Natural Sciences, & Technology Cardiopulmonary Diseases and 8 **RSP210** 3 BIO109 Anatomy & Physiology I 4 Disorders BIO209 Anatomy & Physiology II 4 RSP220 Fundamentals of Respiratory 3 Critical Care RSP222 Cardiopulmonary Anatomy and 2 PROGRAM REQUIREMENTS 45 Physiology **BIO104 Microbiology** Respiratory Care Clinical 4 RSP225 2 CHM112 College Biochemistry Externship II (16 hrs/wk = 240 hrs) 4 RSP110 Respiratory Care Pharmacology 2 18 RSP119 Introduction to Respiratory Care 4 RSP210 Cardiopulmonary Diseases and Disorders 3 **Summer Session** RSP220 Fundamentals of Respiratory Critical Care 3 Respiratory Care Clinical RSP226 2 RSP222 Cardiopulmonary Anatomy and Physiology 2 Externship III (40 hrs/wk = 240 hrs -RSP240 Diagnostic Monitoring & Patient Assessment Based on 6 weeks) 4 RSP241 Neonatal and Pediatric Respiratory Care 3 2 RSP250 Respiratory Critical Care 4 RSP260 Special Topics in Respiratory Care 3 **Third Semester** Microbiology BIO104 4 Respiratory Care Clinical **Clinical Externship Courses** RSP231 2 RSP121 Respiratory Care Clinical Externship I 1 Externship IV (16 hrs/wk = 240 hrs) RSP125 Respiratory Care Clinical Externship II RSP240 Diagnostic Monitoring and 4 2 RSP226 Respiratory Care Clinical Externship III 2 Patient Assessment RSP231 Respiratory Care Clinical Externship IV 2 Respiratory Critical Care RSP250 4 RSP235 Respiratory Care Clinical Externship V 2 WRT201.. English Composition II 3 17 **TOTAL CREDITS** 65 **Fourth Semester** RSP235 Respiratory Care Clinical 2 Externship V (16 hrs/wk = 240 hrs) RSP241 Neonatal and Pediatric 3 Respiratory Care Special Topics in Respiratory Care RSP260 3 Humanities Elective\* 3 Social Science Elective 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.

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: VET115; VET102; VET103; CHM112; WRT101; MAT040. 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 RECOMMENDED SEMESTER SEQUENCE Communication 6 First Semester WRT101 English Composition I 3 VET102 Intro to Veterinary Technology WRT201 English Composition II 3 VFT103 Veterinary Medical Terminology 1 Vertebrate Anatomy & Physiology I VET115 4 **Humanities and Social Sciences\*** 6 CHM112 College Chemistry 4 Two general education courses selected from the following WRT101 English Composition I 3 fields, with no more than one course in any one field: 13 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy **Second Semester** and Religion (PHR); World Languages and Cultures (LAN); VET104 Research Animal Technology\*\* 3 Economics (ECO); Geography (GEO); Political Science (POL); VET110 Nutrition & Principles of Feeding\* 2 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). VET112 Veterinary Pharmacology\*\*\* 3 VET215 Vertebrate Anatomy & Physiology II 4 Mathematics, Natural Science, & Technology 8 WRT201 **English Composition II** 3 **BIO104 Microbiology** 4 15 CHM112 College Chemistry 4 **Summer Session** PROGRAM REQUIREMENTS 38 BIO104 Microbiology 4 VET102 Introduction to Veterinary Technology VET220 Veterinary Tech Externship I† 1 1 VET103 Veterinary Medical Terminology 1 **Humanities Elective\*** 3 VET104 Research Animal Technology\*\* 3 8 VET110 Nutrition and Principles of Feeding\*\*\* 2 VET112 Veterinary Pharmacology\*\*\* 3 Third Semester VET203 Veterinary Nursing I\*\* 3 Veterinary Nursing I\*\* VET203 3 VET204 Veterinary Dental Techniques\*\* 3 VET204 Veterinary Dental Techniques\*\* 3 VET205 Clinical Laboratory Procedures I\*\* 3 VET205 Clinical Laboratory Procedures I \*\* 3 VET207 Diagnostic Imaging\* 3 VET207 Diagnostic Imaging\*\* 3 VET214 Veterinary Nursing II\*\*\* 3 12 VET216 Veterinary Office Management\*\*\* 2 VET217 Clinical laboratory Procedures II\*\*\* 3 **Fourth Semester** VET219 Surgical Assistance and Anesthesia\*\*\* 3 VET214 Veterinary Nursing II\*\*\* 3 Clinical Laboratory Procedures II\*\*\* VET218 Farm Animal Nursing 3 VET217 3 VET220 Veterinary Technology Externship I VET216 Veterinary Office Management\*\* 2 1 VET221 Veterinary Technology Externship II VET219 Surgical Assistance & Anesthesia\*\* 3 1 Social Science Elective\* 3 PROGRAM SUPPORT REQUIREMENTS 8 14 BIO115 Vertebrate Anatomy and Physiology I 4 BIO215 Vertebrate Anatomy and Physiology II **Summer Session** 4 Farm Animal Nursing†† VET218 3 VET221 Veterinary Tech Externship II† **TOTAL CREDITS** 66 4

# **Specific Program Notes**

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

- \*\*Offered only in fall semesters.
- \*\*\*Offered only in spring semesters.
- †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.

**PROGRAMS** 

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 and Algebra. College substitutions: CHM100; BIO109; MAT040. 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.

Exit Examination: A nationally standardized examination will be given. Only those students who achieve a passing score and have met all other degree requirements will be certified by the Director to take the NCLEX-RN.

#### **GENERAL EDUCATION REQUIREMENTS** 20 RECOMMENDED SEMESTER SEQUENCE Communication 6 First Semester WRT101 English Composition I 3 BIO109 Anatomy & Physiology I 4 WRT201 English Composition II 3 **NUR181** Physical Assessment 1 NUR182 Pharmacology for Nurses 1 **Humanities\* and Social Sciences** 6 NUR183 Basic Concepts & Skills of Nursing 6 One general education course selected from the 3 PSY101 General Psychology 3 Following fields: Arts (Art [ART], Music [MUS], WRT101 English Composition I 3 Theatre Arts [THR], Cinema Studies [CIN]); 18 History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN). **Second Semester** BIO209 Anatomy & Physiology II 4 PSY101 General Psychology 3 NUR281 Adult Health Nursing A 4 NUR282 Adult Health Nursing B 4 Developmental Psychology Mathematics, Natural Sciences, & Technology 8 PSY106 3 BIO109 Anatomy & Physiology I WRT201 **English Composition II** 3 4 BIO209 Anatomy & Physiology II 18 4 **PROGRAM REQUIREMENTS** 37 **Third Semester BIO104 Microbiology** BIO104 Microbiology 4 4 **NUR181 Physical Assessment** NUR284 Maternal-Child Health Nursing 1 5 NUR182 Pharmacology for Nurses **NUR285** 1 Mental Health Nursing 4 NUR183 Basic Concepts & Skills of Nursing 6 SOC101 Sociology 3 NUR281 Adult Health Nursing A 4 16 NUR282 Adult Health Nursing B 4 NUR290 Adult Health Nursing C 4 **Fourth Semester** NUR291 Adult Health Nursing D 4 NUR290 Adult Health Nursing C 4 NUR291 Adult Health Nursing D 4 NUR284 Maternal-Child Health Nursing 5 NUR285 Mental Health Nursing 4 Humanities Elective\* 3 **Humanities Elective** 3 . . . . . . PROGRAM SUPPORT REQUIREMENTS 9 (need not be General Ed course) ..... Humanities Elective (need not be Gen Ed course) 3 14 PSY106 Developmental Psychology 3 SOC101 Sociology 3 **TOTAL CREDITS** 66

# **Specific Program Notes**

\*General Education Course List – see page 1.

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

Program: Nursing, Evening Session Degree: Associate in Applied Science

Code: AAS.NURS.EVE

Program Length: 2 academic years; Preadmission Test: Nursing Program Admissions Exam

GPA for admissions eligibility: 2.50

High School prerequisite courses: Chemistry and Biology with lab and Algebra. College substitutions: CHM100; BIO109; MAT040; College prerequisite courses: BIO109 and BIO209; WRT101 and WRT201; PSY101 and PSY106; SOC101.

Application Deadline: October 1 for spring admission. Program Admits: Spring semester.

Students enrolled in this program ARE REQUIRED to successfully

complete a course in basic algebra if indicated by Placement Testing.

Exit Examination: A nationally standardized examination will be given. Only those students who achieve a passing score and have met all other degree requirements will be certified by the Director of Nursing to take the NCLEX-RN.

GENERAL EDUCATION REQUIREMENTS	20	RECOMM	ENDED SEMESTER SEQUENCE	
Communication	6	First Sem	ester	
WRT101 English Composition I	3	BIO109	Anatomy & Physiology I†	4
WRT201 English Composition II	3	PSY101	General Psychology†	3
		WRT101	English Composition I†	3
Humanities* and Social Sciences	6		· · · · · · · · · · · · · · · · · · ·	10
One general education course selected from the	3			
Following fields: Arts (Art [ART], Music [MUS],		Second S		
Theatre Arts [THR], Cinema Studies [CIN]);		BIO209	Anatomy & Physiology II†	4
History (HIS); Literature (LIT); Philosophy and		PSY106	Developmental Psychology†	3
Religion (PHR); World Languages and Cultures (LAN).		WRT201	English Composition II†	3
				10
PSY101 General Psychology	3			
	_	Summer S		
Mathematics, Natural Sciences, & Technology	8	SOC101	Sociology†	3
BIO109 Anatomy & Physiology I	4			3
BIO209 Anatomy & Physiology II	4	Thind Com		
DDOOD AM DECUUDEMENTS	27	Third Sen		4
PROGRAM REQUIREMENTS	37	NUR181 NUR182	Physical Assessment	1
BIO104 Microbiology	4		Pharmacology for Nurses	1
NUR181 Physical Assessment NUR182 Pharmacology for Nurses	1 1	NUR183	Basic Concepts & Skills of Nursing	6 8
NUR183 Basic Concepts & Skills of Nursing	6			0
NUR281 Adult Health Nursing A	4	Fourth Se	mester	
NUR282 Adult Health Nursing B	4	NUR281	Adult Health Nursing A	4
NUR290 Adult Health Nursing C	4	NUR282	Adult Health Nursing B	4
NUR291 Adult Health Nursing D	4	14011202	Addit Health Natoling B	8
NUR284 Maternal-Child Health Nursing	5			U
NUR285 Mental Health Nursing	4	Fifth Sem	ester / Summer	
	-	BIO104	Microbiology	4
PROGRAM SUPPORT REQUIREMENTS	9		······································	4
Humanities Electives (need not be Gen Ed course)	3			
PSY106 Developmental Psychology	3	Sixth Sem	nester	
SOC101 Sociology	3	NUR284	Maternal-Child Health Nursing	5
		NUR285	Mental Health Nursing	4
TOTAL CREDITS	66			9
		Seventh S		
			Humanities Elective*	3
Specific Program Notes			Humanities Elective	3
*General Education Course List – see page 1.			(need not be General Ed course)	
†Evening nursing applicants cannot be accepted until ge				6
co-requisites (7 courses) have been completed. The Eve	ening			
nursing program accepts students for spring only.		Eighth Se	mester	

**Eighth Semester**NUR290 Adult

NUR291

Adult Health Nursing C

Adult Health Nursing D

4

# ASSOCIATE IN APPLIED SCIENCE (A.A.S.) DEGREE PROGRAMS IN HEALTH PROFESSIONS AND CAREER TECHNOLOGIES

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	RECOMM	ENDED SEMESTER SEQUENCE	
Communication	6	First Sem	ester	
WRT101 English Composition I	3	BIO109	Anatomy & Physiology I	4
WRT WRT201 English Composition II or	3	INF101	Intro to Information Technology	3
WRT202 Technical Writing		INF	Programming Language	3
<u> </u>			Fundamentals Elective*	
Humanities and Social Sciences***	6	MOA140	Medical Terminology	3
Two general education courses selected from the following		WRT101	English Composition I	3
fields, with no more than one course in any one field:			·	16
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy		Second S	emester	
and Religion (PHR); World Languages and Cultures (LAN);		BIO209	Anatomy & Physiology II	4
Economics (ECO); Geography (GEO); Political Science (POL);		INF	Advanced Programming Language	3
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).			Elective**	
		MOA201	Diagnostic & Procedural Coding	3
Mathematics, Natural Science, & Technology	8	WRT	WRT201 English Composition II	3
BIO109 Anatomy & Physiology I	4		or WRT202 Technical Writing	
BIO209 Anatomy & Physiology II	4		Humanities Elective***	3
				16
PROGRAM REQUIREMENTS	37			
INF Programming Language Fundamentals Elective*	3	Third Sen		
INF Advanced Programming Language Elective**	3	INF217	Database for Applications [Oracle]	3
INF101 Introduction to Information Technology	3	MOA141	Intro to Medical Assisting	3
INF217 Database for Applications	3	MOA218	Medical Economics	2
INF218 Database Programming	3	MAT	Mathematics Elective***	3-4
INF219 Database Administration	3		Humanities Elective***	3
INF239 Applications Development	3	WEX101	Dynamics of Health & Fitness	2
MOA140 Medical Terminology	3			16-17
MOA141 Intro to Medical Assisting	3			
MOA200 Pharmacology for Medical Office Assistants	2	Fourth Se		
MOA201 Diagnostic & Procedural Coding	3	BUS101	Introduction to Business	3
MOA218 Medical Economics	2	INF218	Database Programming	3
BUS101 Introduction to Business	3	INF219	Database Administration	3
		INF239	Applications Development	3
PROGRAM SUPPORT REQUIREMENTS	8-9	MOA200	Pharmacology for MOAs	2
MAT Mathematics Elective***	3-4		Social Science Elective***	3
WEX101 Dynamics of Health & Fitness	2			17
Humanities Elective***	3			

# **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

Degree: Associate in Applied Science Code: AAS.IDT.AVIONICS **GENERAL EDUCATION REQUIREMENTS** 20 RECOMMENDED SEMESTER SEQUENCE Communication 6 WRT101 English Composition I 3 ELC101 DC-Circuit Analysis 4 WRT202 Technical Writing 3 PHY185 Introduction to Physics 4 Problem Solving Using Technology 4 **TEC180 Humanities and Social Sciences\*** 6 WRT101 English Composition I 3 Two general education courses selected from the following Introduction To Aeronautics AVT100 3 fields, with no more than one course in any one field: 18 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy **Second Semester** and Religion (PHR); World Languages and Cultures (LAN); CHM102 Chemistry in Context 4 Economics (ECO); Geography (GEO); Political Science (POL); DFT107 Drafting I 2 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). **ELC201 AC-Circuit Analysis** 4 ELC203 4 Electronics I COM... Mathematics, Natural Science, & Technology 8 COM100 Speech Communication 3 CHM102 Chemistry in Context 4 or COM102 Public Speaking 17 PHY185 Introduction to Physics 4 PROGRAM REQUIREMENTS 42 Third Semester DFT107 Drafting I 2 DFT207 Drafting II 3 DFT207 Drafting II 3 ELC204 Electronics II 4 DFT210 Computer Aided Drafting I Machine Tool Principles I MFG122 3 Technical Writing 3 WRT202 3 or MFG119 Pro/Engineer Design I AVT210 Introduction To Aircraft Avionics I 4 4 17 **ELC101 DC-Circuit Analysis** ELC201 AC-Circuit Analysis 4 ELC203 Electronics I 4 **Fourth Semester** 4 Computer Aided Drafting I ELC204 Electronics II DFT210 3 MFG122 Machine Tool Principles I 3 MFG119 Pro/Engineer Design I TEC180 Problem Solving Using Technology 4 Humanities and/or Social Science **AVT100 Introduction To Aeronautics** 3 6 Electives\* AVT210 Introduction To Aircraft Avionics I 4 AVT220 Introduction To Aircraft Avionics II 4 AVT220 Introduction To Aircraft Avionics II 4 13 PROGRAM SUPPORT REQUIREMENTS 3 COM... COM100 Speech Communication 3 or COM102 Public Speaking

Program: Career Technologies - General Engineering Technology/Avionics Option

# Specific Program Notes

**TOTAL CREDITS** 

\*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.

Degree: Associate in Applied Science Code: AAS.IDT.DRFT **GENERAL EDUCATION REQUIREMENTS** 20 RECOMMENDED SEMESTER SEQUENCE Communication 6 First Semester WRT101 English Composition I 3 **DFT107** Drafting I 2 WRT202 Technical Writing 3 DFT210 Computer Aided Drafting I 3 Machine Tool Principles I 3 MFG122 **Humanities and Social Sciences\*** 6 WRT101 English Composition I 3 Two general education courses selected from the following Social Science Elective\* 3 fields, with no more than one course in any one field: Free Elective\*\* 2 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema 16 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN); **Second Semester** Economics (ECO); Geography (GEO); Political Science (POL); DFT207 Drafting II 3 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). DFT208 Engineering Graphics I 3 WRT202 **Technical Writing** 3 Mathematics, Natural Science, & Technology 8 Humanities Elective\* 3 PHY185 Introduction to Physics Free Elective\*\* 3 4 CHM102 Chemistry in Context 15 4 PROGRAM REQUIREMENTS 40-41 Third Semester DFT209 Civil Engineering Methods\*\*\* 3 DFT107 Drafting I 2 DFT210 Computer Aided Drafting I DFT215 3 3 Building Systems\*\*\* Architectural Drafting\*\* DFT207 Drafting II 3 DFT262 3 DFT208 Engineering Graphics I Architectural Practice & Planning\*\* 3 DFT265 3 DFT209 Civil Engineering Methods\*\*\* 3 HRT104 Landscape Plants & Materials I 2 DFT215 Building Systems\*\*\* 3 **PHY185** Introduction to Physics 4 DFT262 Architectural Drafting\*\*\* 3 18 DFT263 Architectural Design\*\*\*\* 3 DFT265 Architectural Practice & Planning\*\*\* 3 Fourth Semester DFT266 Materials & Methods of Construction\*\*\*\* 3 DFT263 Architectural Design 3 DFT270 Building Information Modeling\*\*\* DFT266 Materials & Methods of Construction 3 3 **DFT282** Technical Illustration 3 DFT463 Co-Op Work Exp (Drafting) DFT282 Technical Illustration\*\*\*\* 3 **TEC180** Problem Solving Using Technology 4 CHM102 Chemistry in Context 4 or TEC180 Problem Solving Using Technology 4 DFT270 **Building Information Modeling** MFG122 Machine Tool Principles I 3 3 HRT104 Landscape Plants & Materials I 2 MFG463 Co-Op Work Exp (Drafting) 16-17

# **Specific Program Notes**

FREE ELECTIVES\*\*

**TOTAL CREDITS** 

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

Program: Career Technologies - Drafting and Design Technology

\*\*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.

5

<sup>\*\*\*</sup>Offered only in fall semesters.

<sup>\*\*\*\*</sup>Offered only in spring semesters.

Program: Career Technologies - Electronics Technology Degree: Associate in Applied Science Code: AAS.IDT.ELECT.TECH **GENERAL EDUCATION REQUIREMENTS** 20 RECOMMENDED SEMESTER SEQUENCE Communication 6 WRT101 English Composition I 3 ELC100 Intro to Electronics Technology 2 WRT202 Technical Writing 3 ELC101 DC-Circuit Analysis 4 Introduction to Physics 4 **PHY185 Humanities and Social Sciences\*** 6 TEC180 **Problem Solving Using Technology** 4 Two general education courses selected from the following **English Composition I WRT101** 3 fields, with no more than one course in any one field: 17 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy **Second Semester** and Religion (PHR); World Languages and Cultures (LAN); AC-Circuit Analysis ELC201 4 Economics (ECO); Geography (GEO); Political Science (POL); ELC203 Electronics I 4 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). CHM102 Chemistry in Context 4 COM100 Speech Communication COM... 3 Mathematics, Natural Science, & Technology or COM102 Public Speaking 8 WEX101 CHM102 Chemistry in Context 4 Dynamics of Health & Fitness 2 17 PHY185 Introduction to Physics 4 **PROGRAM REQUIREMENTS** 41 Third Semester DFT107 Drafting I 2 DFT107 Drafting I 2 ELC100 Intro to Electronics Technology 2 ELC204 Electronics II 4 **ELC101 DC-Circuit Analysis** 4 ELC214 Communication Systems I 4 ELC201 AC-Circuit Analysis 4 MFG122 Machine Tool Principles I 3 ELC203 Electronics I 4 WRT202 **Technical Writing** 3 ELC204 Electronics II 4 16 ELC214 Communication Systems I 4 **ELC215 Communication Systems II** 4 **Fourth Semester** MFG122 Machine Tool Principles I 3 ELC215 Communication Systems II 4 Applied Metrology MFG124 Applied Metrology 3 MFG124 3 MFG206 Concepts of Industrial Design 3 MFG206 Concepts of Industrial Design 3 TEC180 Problem Solving Using Technology 3 4 **Humanities Elective\*** Social Science Elective\* 3 PROGRAM SUPPORT REQUIREMENTS 5 16 COM... COM100 Speech Communication 3 or COM102 Public Speaking WEX101 Dynamics of Health & Fitness 2

# **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

Degree: Associate in Applied Science Code: AAS.IDT.ENGIN.TECH **GENERAL EDUCATION REQUIREMENTS** 20 RECOMMENDED SEMESTER SEQUENCE Communication 6 WRT101 English Composition I 3 ELC101 DC-Circuit Analysis 4 WRT202 Technical Writing 3 PHY185 Introduction to Physics 4 Problem Solving Using Technology 4 **TEC180 Humanities and Social Sciences\*** 6 WRT101 English Composition I 3 Two general education courses selected from the following Dynamics of Health & Fitness **WEX101** 2 fields, with no more than one course in any one field: 17 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Studies [CIN]); History (HIS); Literature (LIT); Philosophy **Second Semester** and Religion (PHR); World Languages and Cultures (LAN); Chemistry in Context CHM102 4 Economics (ECO); Geography (GEO); Political Science (POL); DFT107 Drafting I 2 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). **ELC201 AC-Circuit Analysis** 4 ELC203 4 Electronics I COM... Mathematics, Natural Science, & Technology 8 COM100 Speech Communication 3 CHM102 Chemistry in Context 4 or COM102 Public Speaking 17 PHY185 Introduction to Physics 4 **PROGRAM REQUIREMENTS** 40 **Third Semester** DFT107 Drafting I 2 DFT207 Drafting II 3 DFT207 Drafting II 3 ELC204 Electronics II 4 **DFT209 Civil Engineering Methods** MFG122 Machine Tool Principles I 3 3 DFT210 Computer Aided Drafting I WRT202 Technical Writing 3 3 Humanities Elective\* 3 MFG119 Pro/Engineer Design I 16 ELC101 DC-Circuit Analysis 4 **ELC201 AC-Circuit Analysis** 4 **Fourth Semester** 4 ELC203 Electronics I DFT209 Civil Engineering Methods 3 ELC204 Electronics II Computer Aided Drafting I 4 DFT210 MFG122 Machine Tool Principles I 3 3 MFG124 Applied Metrology 3 Pro/Engineer Design I MFG119 MFG206 Concepts of Industrial Design Applied Metrology 3 MFG124 3 TEC180 Problem Solving Using Technology MFG206 Concepts of Industrial Design 4 3 Social Science Elective\* 3 PROGRAM SUPPORT REQUIREMENTS 5 15 COM... COM100 Speech Communication 3 or COM102 Public Speaking WEX101 Dynamics of Health & Fitness 2

# **Specific Program Notes**

**TOTAL CREDITS** 

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

Program: Career Technologies - General Engineering Technology

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

Degree: Associate in Applied Science Code: AAS.IDT.MFG.TECH **GENERAL EDUCATION REQUIREMENTS** 20 RECOMMENDED SEMESTER SEQUENCE Communication 6 **First Semester** WRT101 English Composition I 3 DFT107 Drafting I 2 WRT202 Technical Writing 3 MFG122 Machine Tool Principles I 3 MFG124 3 Applied Metrology **Humanities and Social Sciences\*** 6 WRT101 English Composition I 3 Two general education courses selected from the following Electric Power Technology **ELC110** fields, with no more than one course in any one field: 4 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Problem Solving Using Technology **TEC180** Studies [CIN]); History (HIS); Literature (LIT); Philosophy 15 and Religion (PHR); World Languages and Cultures (LAN); Economics (ECO); Geography (GEO); Political Science (POL); **Second Semester** Psychology (PSY); Sociology (SOC) and Anthropology (ANT). MFG222 Machine Tool Principles II\*\*\*\*\* 3 MFG229 Materials Processing & Fabrication 4 Mathematics, Natural Science, & Technology 8 WRT202 **Technical Writing** 3 PHY185 Introduction to Physics Humanities Elective' 3 4 CHM102 Chemistry in Context 4 Free Elective\*\* 3 16 **PROGRAM REQUIREMENTS** 41 DFT107 Drafting I 2 **Third Semester** DFT210 Computer Aided Drafting I 3 MFG119 Pro/Engineer Design I\*\*\* 3 MFG119 Pro/Engineer Design I\*\* 3 MFG226 Methods, Fixture Design, 3 MFG122 Machine Tool Principles I 3 & Estimating CNC Programming I\*\*\*\* MFG227 4 MFG124 Applied Metrology 3 MFG130 Welding Technology I\*\*\*\* 3 MFG130 Welding Technology I\*\*\*\* 3 MFG206 Concepts of Industrial Design\*\*\*\*\* 3 **PHY185** Introduction to Physics 4 MFG222 Machine Tool Principles II\*\*\*\*\* 3 17 MFG226 Methods, Fixture Design, & Estimating 4 MFG227 CNC Programming I\*\*\*\* 3 **Fourth Semester** Computer Aided Drafting I MFG229 Materials Processing & Fabrication DFT210 3 4 MFG228 CNC Programming II\*\*\*\*\* MFG206 Concepts of Industrial Design\*\*\*\*\* 3 3 CHM102 Chemistry in Context 4 Social Science Elective MFG463 Co-Op Work Exp (Manufacturing) 3 **ELC110 Electric Power Technology** Free Elective\*\* 2 4 MFG228 CNC Programming II\*\*\*\*\* TEC180 Problem Solving Using Technology 3 MFG463 Co-Op Work Exp (Manufacturing) FREE ELECTIVES\*\* 5 18

# Specific Program Notes

**TOTAL CREDITS** 

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

Program: Career Technologies - Manufacturing Technology

\*\*COM100 Speech Communication (3 cr.) and WEX101 Dynamics of Health and Fitness (2 cr.) are recommended.

\*\*\*Offered only in first half of fall semesters.

\*\*\*\*Offered only in fall semesters.

\*\*\*\*\*Offered only in spring semesters.

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

Degree: Associate in Applied Science Code: AAS.ST.HORT **GENERAL EDUCATION REQUIREMENTS** 20 RECOMMENDED SEMESTER SEQUENCE Communication 6 WRT101 English Composition I HRT101 Fundamentals of Horticulture 3 3 WRT... WRT201 English Composition II or 3 HRT102 Plant Science 4 WRT202 Technical Writing Landscape Plants & Materials I 2 HRT104 BIO130 People-Plant Relations 4 **Humanities and Social Sciences\*** WRT101 **English Composition I** 6 3 Two general education courses selected from the following 16 fields, with no more than one course in any one field: Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Second Semester Studies [CIN]); History (HIS); Literature (LIT); Philosophy Interior Plantscaping HRT120 3 and Religion (PHR); World Languages and Cultures (LAN); HRT232 Plant Propagation 4 Economics (ECO); Geography (GEO); Political Science (POL); HRT233 Landscape Plants & Materials II 4 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). WRT201 3 English Composition II Social Science Elective\* 3 Mathematics, Natural Science, & Technology 8 17 BIO130 People-Plant Relations 4 **BIO131 General Botany** 4 **Third Semester** Turf and Ground Management HRT103 3 PROGRAM REQUIREMENTS HRT112 Pests and Ornamental Plants 4 41-42 HRT101 Fundamentals of Horticulture HRT204 2 3 Landscape Graphics HRT102 Plant Science Horticulture Marketing and Sales 4 HRT236 3 HRT103 Turf and Ground Management Intro to Environmental Biology 3 BIO108 4 HRT104 Landscape Plants & Materials I 2 16 HRT112 Pests and Ornamental Plants 4 HRT113 Principles of Landscaping 3 Fourth Semester HRT120 Interior Plantscaping 3 BUS101 Introduction to Business 3 HRT204 Landscape Graphics 2 HRT113 Principles of Landscaping 3 HRT232 Plant Propagation 4 HRT462 Co-Op Work Exp (Horticulture) 3 HRT233 Landscape Plants & Materials II 4 Restricted HRT Elective† HRT... 3-4 HRT236 Horticulture Marketing and Sales 3 Humanities Elective\* 3 HRT462 Co-Op Work Exp (Horticulture) 3 15-16 HRT... Restricted HRT Elective 3-4 PROGRAM SUPPORT REQUIREMENTS 3 **BUS101 Introduction to Business** 3

# **Specific Program Notes**

TOTAL CREDITS

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

†Restricted HRT Elective: HRT115, HRT119, HRT235, HRT237.

Program: Career Technologies - Science Technology, Horticulture

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

Program: Career Technologies - Science Technology, Horticulture - Landscape/Design/Build Option Degree: Associate in Applied Science

6

Code: AAS.ST.LAND

GENERAL EDUCATION REQUIREMENTS	20
Communication	6
WRT101 English Composition I	3
WRT WRT201 English Composition II or	3
WRT202 Technical Writing	

#### **Humanities and Social Sciences\***

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

#### 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	3
	Construction	
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	3
	Landscape Design	
HRT213	Sustainable Design & Construction	3
	Humanities Elective*	3
		16

## **Fourth Semester**

HRT214	Landscape Design/Build Capstone	4
HRT215	Landscape Design/Build	3
	Management	
HRT236	Horticulture Marketing and Sales	3
HRT	Restricted HRT Elective†	3-4
		13-14

# **Specific Program Notes**

**TOTAL CREDITS** 

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

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

Degree: Associate in Applied Science Code: AAS.IT.DB **GENERAL EDUCATION REQUIREMENTS** RECOMMENDED SEMESTER SEQUENCE 20-22 Communication 6 WRT101 English Composition I BUS101 Introduction to Business 3 3 WRT... WRT201 English Composition II or INF101 Intro to Information Technology 3 3 WRT202 Technical Writing INF... Programming Language 3 Fundamentals Elective\* **Business Programming Logic Humanities and Social Sciences**† 6 INF150 3 Two general education courses selected from the following WRT101 English Composition I 3 fields, with no more than one course in any one field: **Humanities or Social Sciences** 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Elective† Studies [CIN]); History (HIS); Literature (LIT); Philosophy 18 and Religion (PHR); World Languages and Cultures (LAN); Economics (ECO); Geography (GEO); Political Science (POL); **Second Semester** Psychology (PSY); Sociology (SOC) and Anthropology (ANT). ĪNF... Advanced Programming Language 3 Elective\*\* Mathematics, Natural Science, & Technology INF114 Microsoft Office 7-8 3 MAT... Mathematics Elective† INF146 Web Development 3 3-4 WRT201 English Composition II ..... Natural Science Elective† 4 WRT... 3 or WRT202 Technical Writing **General Education Credits Humanities or Social Sciences** 3 0 - 3. . . . . . If a student elects a 3-credit course in Mathematics, then the Elective† 3-credit Program Requirement, INF101 Intro to Information 15 Technology (see below), will count as a general education course in this category in order to meet the requirement of **Third Semester** 20-22 credits in general education. INF160 Networking Technologies and 3 **Data Communications PROGRAM REQUIREMENTS** 45 INF208 Systems Analysis and Design 3 INF... Programming Language Fundamentals Elective\* 3 **INF217** Database for Applications 3 INF... Advanced Programming Language Elective\*\* 3 INF253 **Technical Communications** 3 **INF101 Introduction to Information Technology** 3 MAT... Mathematics Elective† 3-4 INF114 Microsoft Office 3 15-16 INF146 Web Development 3 INF150 Business Programming Logic 3 **Fourth Semester** INF160 Network Technologies and Data Communications 3 INF218 **Database Programming** 3 INF219 INF208 Systems Analysis & Design 3 **Database Administration** 3 INF217 Database for Applications 3 INF239 Applications Development 3 **INF218 Database Programming** 3 Restricted Elective\*\*\* 3 **INF219 Database Administration** 3 Natural Science Elective† 4 **INF239 Applications Development** 3 16 **INF253 Technical Communications** 3 ..... Restricted Elective\*\*\* 3 **BUS101 Introduction to Business** 3 **TOTAL CREDITS** 64-65

# **Specific Program Notes**

\*Programming Language Fundamentals Elective – INF145, INF152, INF153.

Program: Information Technology - Database Programming and Administration

- \*\*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.

Degree: Associate in Applied Science Code: AAS.IT.NET **GENERAL EDUCATION REQUIREMENTS** 20-22 RECOMMENDED SEMESTER SEQUENCE Communication 6 **First Semester** Intro to Information Technology WRT101 English Composition I INF101 3 3 WRT... WRT201 English Composition II or 3 INF108 PC Upgrade, Maintenance and 3 WRT202 Technical Writing Diagnosis Networking Technologies and **INF160** 3 **Humanities and Social Sciences\*** 6 **Data Communications** Two general education courses selected from the following INF114 Microsoft Office 3 fields, with no more than one course in any one field: WRT101 English Composition I 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema ..... **Humanities or Social Sciences** 3 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN); 18 Economics (ECO); Geography (GEO); Political Science (POL); Psychology (PSY); Sociology (SOC) and Anthropology (ANT). Second Semester BUS101 Introduction to Business 3 Mathematics, Natural Science, & Technology 7-8 INF272 Windows Active Directory 3 MAT... Mathematics Elective\* INF232 Windows Client 3-4 3 WRT201 English Composition II ..... Natural Science Elective\* WRT... 4 3 or WRT202 Technical Writing **General Education Credits** 0-3 **Humanities or Social Sciences** 3 . . . . . . If a student elects a 3-credit course in Mathematics, then the Flective<sup>3</sup> 3-credit Program Requirement, INF101 Intro to Information 15 Technology (see below), will count as a general education course in this category in order to meet the requirement of **Third Semester** 20-22 credits in general education. INF252 Windows Server 3 **INF253 Technical Communications** 3 **PROGRAM REQUIREMENTS** 45 INF254 UNIX/Linux for Network 3 INF101 Intro to Information Technology 3 Administrators INF108 PC Upgrade, Maintenance and Diagnosis 3 INF265 Network Configuration I 3 INF114 Microsoft Office 3 Natural Science Elective\* 4 INF160 Network Technologies and Data Communications 3 17 **INF232 Windows Client** 3 **INF252 Windows Server** 3 **Fourth Semester INF253 Technical Communication** Topics in Networking 3 **INF256** INF254 UNIX for the Network Administrator 3 3 INF219 Database Administration INF256 Topics in Networking 3 INF257 3 **INF257 Network Troubleshooting** 3 Network Troubleshooting INF265 Network Configuration I 3 **INF267 Network Security** 3 Restricted Elective\*\* **INF267 Network Security** 3 3 **INF272 Windows Active Directory** 3 MAT... Mathematics Elective\* 3-4 **BUS101 Introduction to Business** 3 15-16 ..... Restricted Elective‡ 3

Program: Information Technology - Networking Administration

# **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

<sup>\*\*</sup>Restricted Elective – INF146; INF150; INF270; INF271; INF273; BUS271; or WEX101 and INF228.

Degree: Associate in Applied Science Code: AAS.IT.WEB **GENERAL EDUCATION REQUIREMENTS** 20-22 RECOMMENDED SEMESTER SEQUENCE Communication 6 **First Semester** WRT101 English Composition I BUS101 Introduction to Business 3 3 WRT... WRT201 English Composition II or INF101 Intro to Information Technology 3 3 WRT202 Technical Writing INF... Programming Language Fundamentals 3 Elective\* **Humanities and Social Sciences**† 6 INF150 **Business Programming Logic** 3 Two general education courses selected from the following WRT101 English Composition I 3 fields, with no more than one course in any one field: **Humanities or Social Sciences** 3 Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema Elective† Studies [CIN]); History (HIS); Literature (LIT); Philosophy 18 and Religion (PHR); World Languages and Cultures (LAN); Economics (ECO); Geography (GEO); Political Science (POL); **Second Semester** Psychology (PSY); Sociology (SOC) and Anthropology (ANT). ĪNF... Advanced Programming Language 3 Elective\*\* INF114 Microsoft Office Mathematics, Natural Science, & Technology 7-8 3 MAT... Mathematics Elective† INF140 Introduction to Multimedia 3 3-4 ..... Natural Science Elective† 4 **INF146** Web Development 3 WRT... WRT201 English Composition II 3 **General Education Credits** or WRT202 Technical Writing 0 - 3If a student elects a 3-credit course in Mathematics, then the 15 3-credit Program Requirement, INF101 Intro to Information Technology (see below), will count as a general education **Third Semester** Networking Technologies and 3 course in this category in order to meet the requirement of INF160 20-22 credits in general education. **Data Communications** INF208 Systems Analysis & Design 3 **PROGRAM REQUIREMENTS** 45 INF217 Database for Applications 3 INF... Programming Language Fundamentals Elective\* INF253 Technical Communications 3 3 INF... Advanced Programming Language Elective\*\* 3 MAT... Mathematics Elective† 3-4 INF101 Introduction to Information Technology 3 15-16 INF114 Microsoft Office 3 INF140 Introduction to Multimedia 3 **Fourth Semester** Advanced Web Development INF146 Web Development 3 INF263 3 INF150 Business Programming Logic 3 INF239 Applications Development 3 Restricted Elective\*\*\* INF160 Networking Technologies and Data Communications 3 3 INF208 Systems Analysis & Design 3 Natural Science Elective† 4 **INF217 Database for Applications** 3 **Humanities or Social Sciences** 3 . . . . . . **INF239 Applications Development** 3 Elective† **INF253 Technical Communications** 3 16 INF263 Advanced Web Development 3 **BUS101 Introduction to Business** 3

# **Specific Program Notes**

**TOTAL CREDITS** 

\*Programming Language Fundamentals Elective – INF145, INF152, or INF153.

Program: Information Technology - Web Development and Management

- \*\*Advanced Programming Language Elective INF224, INF246, or INF268.
- \*\*\*Restricted Elective GAM111; INF130; INF145; INF152; INF153; INF163; INF230; INF267; BUS271; or WEX101 and INF161. †General Education Elective(s) see page 1. Recommended Mathematics elective: MAT180, MAT280, or MAT223.

64-65

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		RECOMMENDED SEMESTER SEQUENCE					
Communication	6	First Semester					
WRT101 English Composition I	3	CIS165	Fundamentals of Programming	3			
WRT WRT201 English Composition II or	3	GAM110	Intro to Game Architecture & Design	3			
WRT202 Technical Writing		GAM111	Game Programming 2D	3			
•		INF101	Introduction to Information Technolog	ју 3			
Humanities and Social Sciences*	6	WRT101	English Composition I	3			
Two general education courses selected from the following fields, with no more than one course in any one field:			Humanities or Social Sciences Elective*	3			
Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema				18			
Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN);		Cocond C					
Economics (ECO); Geography (GEO); Political Science (POL);		Second Se	Advanced Programming Concepts	3			
Psychology (PSY); Sociology (SOC) and Anthropology (ANT).		GAM211	Game Development 2D	3			
rsychology (PST), Sociology (SOC) and Antihopology (ANT).		INF140	Introduction to Multimedia	3			
Mathematics Natural Science & Technology	7-8	MAT	Mathematics Elective*	3-4			
Mathematics, Natural Science, & Technology MAT Mathematics Elective*	7 <b>-6</b> 3-4	WRT	WRT201 English Composition II	3-4			
PHY186 General Physics I	3-4 4	WKI	or WRT202 Technical Writing				
				15-16			
General Education Credits	0-3						
If a student elects a 3-credit course in Mathematics, then the		Third Sem					
3-credit Program Requirement, INF101 Intro to Information		CIS277	Data Structures & Algorithms	3			
Technology (see below), will count as a general education		GAM221	Game Programming 3D	3			
course in this category in order to meet the requirement of		INF130	Testing & Quality Assurance	3			
20-22 credits in general education.		INF230	Advanced Multimedia	3			
		MAT/CIS	. Restricted Elective**	4			
PROGRAM REQUIREMENTS	43			16			
CIS165 Fundamentals of Programming 3							
CIS265 Advanced Programming Concepts	3	Fourth Se					
CIS277 Data Structures & Algorithms	3	GAM222	Game Development 3D	3			
GAM110 Intro to Game Architecture & Design	3	INF	Restricted Elective***	3			
GAM111 Game Programming 2D	3	PHY186	General Physics I	4			
GAM211 Game Development 2D GAM221 Game Programming 3D	3 3		Writing/Humanities Restricted Elective****	3			
GAM222 Game Development 3D	3		Humanities or Social Sciences	3			
INF101 Introduction to Information Technology	3		Elective*				
INF140 Introduction to Multimedia	3			16			
INF130 Testing & Quality Assurance	3						
INF230 Advanced Multimedia	3						
INF Restricted Elective***	3						
MAT/CIS Restricted Elective**	4						
PROGRAM SUPPORT REQUIREMENTS Writing/Humanities Restricted Elective****	3						

# **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

65-66

Students enrolled in this program ARE REQUIRED to successfully complete a course in basic algebra if indicated by the Basic Skills Placement Test.

<sup>\*\*</sup>MAT/CIS Restricted Elective – MAT286 or CIS288. \*\*\*INF Restricted Elective – INF217 or INF146.

<sup>\*\*\*\*</sup>Writing/Humanities Restricted Elective – WRT204, MUS150, MUS151, ART122, or ART126.

Code: AAS.SD.GAME.TEST **GENERAL EDUCATION REQUIREMENTS** 20-22 RECOMMENDED SEMESTER SEQUENCE Communication 6 **First Semester** WRT101 English Composition I 3 GAM110 Intro to Game Architecture & Design 3 Game Programming 2D WRT... WRT201 English Composition II or 3 GAM111 3 INF101 Introduction to Information Technology 3 WRT202 Technical Writing Introductory Programming Elective\* 3 **Humanities and Social Sciences\*\*** WRT101 **English Composition I** 6 3 Two general education courses selected from the following **Humanities or Social Sciences** 3 . . . . . . fields, with no more than one course in any one field: Elective\*\* Arts (Art [ART], Music [MUS], Theatre Arts [THR], Cinema 18 Studies [CIN]); History (HIS); Literature (LIT); Philosophy and Religion (PHR); World Languages and Cultures (LAN); Second Semester Game Development 2D Economics (ECO); Geography (GEO); Political Science (POL); GAM211 3 Psychology (PSY); Sociology (SOC) and Anthropology (ANT). INF140 Introduction to Multimedia 3 Advanced Programming Elective\*\*\* 3 MAT... 3-4 Mathematics, Natural Science, & Technology 7-8 Mathematics Elective\*\* MAT... Mathematics Elective\* WRT201 English Composition II WRT... 3 3-4 PHY186 General Physics I 4 or WRT202 Technical Writing 15-16 **General Education Credits** 0-3 If a student elects a 3-credit course in Mathematics, then the **Third Semester** 3-credit Program Requirement, INF101 Intro to Information Game Programming 3D **GAM221** 3 Technology (see below), will count as a general education INF130 Testing & Quality Assurance 3 course in this category in order to meet the requirement of INF230 Advanced Multimedia 3 20-22 credits in general education. INF217 3 **Database for Applications** INF253 **Technical Communications** 3 **PROGRAM REQUIREMENTS** 42 15 GAM110 Intro to Game Architecture & Design 3 GAM111 Game Programming 2D 3 **Fourth Semester** Game Development 3D GAM211 Game Development 2D 3 GAM222 3 GAM221 Game Programming 3D 3 INF. Restricted Elective\*\*\*\* 3 GAM222 Game Development 3D 3 General Physics I **PHY186** 4 INF101 Introduction to Information Technology 3 Writing/Humanities Restricted 3 . . . . . INF130 Testing & Quality Assurance 3 Elective\*\*\*\*\* INF140 Introduction to Multimedia 3 **Humanities or Social Sciences** 3 . . . . . . **INF217 Database for Applications** 3 Flective\*\* INF230 Advanced Multimedia 3 16 **INF253 Technical Communications** 3 INF... Restricted Elective\*\*\* 3 ..... Introductory Programming Elective\* 3 ..... Advanced Programming Elective\*\*\* 3 PROGRAM SUPPORT REQUIREMENTS 3 ..... Writing/Humanities Restricted Elective\*\*\*\*\*

# **Specific Program Notes**

**TOTAL CREDITS** 

\*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.

64-65

\*\*\*Advanced Programming Elective – CIS265, INF246, or INF268.

\*\*\*\*INF Restricted Elective - INF160, INF239, or INF146.

Program: Software Development - Game Testing

Degree: Associate in Applied Science

\*\*\*\*\*\*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\***

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
MUS151Intro 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**

6

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	150 Intro to MIDI Sequencing &			
	Synthesis			
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	3		
	or WRT202 Technical Writing			
	·	17		

#### **Third Semester**

MUS261	Advanced Studio Recording†	3		
PHY185	Introduction to Physics			
MUS	Music Elective**			
	or	3		
COM	Mass Communication Elective***			
	Humanities Elective*	3		
	Social Science Elective*	3		
		16		

#### **Fourth Semester**

MUS262	Concert Promotion & Production			
MUS463/4	MUS463/4 Co-Op Work Exp (Music)			
MUS	Music Elective**			
	or	3		
COM	Mass Communication Elective***			
	Math/Computer Science/Natural			
	Science/Technology Elective*			
	General Education Elective*			
	or	3		
	Free Elective			
		<b>1</b> 5-17		

#### **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.
- †Offered only in fall semesters.

## One-Year [30-36 credit] Academic Certificates

## **Curriculum Requirements**

Area of Study	Credits	Course Description
Communication	3	WRT101 English Composition I (3 cr.)
Unassigned General Education Credits	3	To be assigned in accordance with the needs of the program.
Total GE Credits	6	
Other Requirements	24-30	Restricted Program Requirements, Program Support Requirements, Free Electives. To be assigned in accordance with the needs of the program.
Total Credits	30-36	

**Program: Certificate in Computer Aided Drafting** Certificate: One-Year [30-36 credit] Academic Certificate Code: CERT.CAD

GENERAL EDUCATION REQUIREMENTS	6
WRT101 English Composition I	3
General Education Elective*	3
Restricted Program Requirements	30
DFT107 Drafting I	2
DFT207 Drafting II	3
DFT208 Engineering Graphics I	3
DFT210 Computer Aided Drafting I	3
DFT211 Computer Aided Drafting II***	5
DFT212 Computer Aided Drafting III**	3
DFT282 Technical Illustration***	
or	3-4
EC180 Problem Solving using Technology	
MFG122 Machine Tools Prionmciples I	3

#### 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

**TOTAL CREDITS** 

- \*General Education Course List see page 1.
  \*\*Offered only in fall semesters.

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

31-32

<sup>\*\*\*</sup>Offered only in spring semesters.

**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.

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#### **GENERAL EDUCATION REQUIREMENTS**

## WRT101 English Composition I General Education Elective\*\*

#### **Restricted Program Requirements** 24 ART192 Computer 3D Animation I\* ART197 Computer Imaging\*\*\* ART290 Computer 2D Animation I\* ART291 Computer 2D Animation II\* ART293 Computer 3D Animation II\* ART... Restricted Electives

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\*\*

**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.

<sup>\*\*</sup>General Education Course List – see page 1.

<sup>\*\*\*</sup>Course uses Macintosh computers.

**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.

6

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27

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3

#### **GENERAL EDUCATION REQUIREMENTS**

# WRT101 English Composition I General Education Elective\*\*\*

## Restricted Program Requirements

ART189 Computer 2D Illustration\*
ART197 Computer Imaging\*\*
ART2xx Computer Layout\*\*
ART259 Computer Graphics for the Web Developer\*

ART... Restricted Electives

ART... Restricted Electives
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
ART2xx	Computer Layout**	3
ART	Restricted Electives	3
WRT101	English Composition I	3
		15

#### **Second Semester**

ART259	Comp Graphics for the Web Developer	* 3
ART	Restricted Electives	9
	General Education Elective***	3
		15

### Specific Program Notes

\*Course uses Windows OS workstations.

\*\*Course uses Macintosh computers.

<sup>\*\*\*</sup>General Education Course List – see page 1.

**Program: Certificate in Computer Science** 

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

GENERAL EDUCATION REQUIREMENTS		RECOMMENDED SEMESTER SEQUENCE			
WRT101 English Composition I		First Semester			
General Education Elective**	3	CIS165 Fundamentals of Programming* 3			
		WRT101 English Composition I 3			
Restricted Program Requirements	21	General Education Elective** 3			
CIS165 Fundamentals of Programming*	3	9			
CIS265 Advanced Programming Concepts	3				
CIS271 Computer Organization and Assembly Language	3	Second Semester			
CIS277 Data Structures and Algorithms	3	CIS265 Advanced Programming Concepts 3			
MAT/CIS Mathematics/Computer Science Electives***	9	CIS271 Computer Organization and 3			
		Assembly Language			
		General Education Elective** 3			
Program Support Requirement: General Education Elective**	3	Ş			
		Third Semester			
TOTAL CREDITS	30	CIS277 Data Structures and Algorithms 3			
		MAT/CIS Mathematics/Computer Science 9			
		Electives***			
		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.

Program: Certificate in Computer Technical Support Certificate: One-Year [30-36 credit] Academic Certificate

Code: CERT.COMP.SUPPORT

#### **GENERAL EDUCATION REQUIREMENTS** 6 RECOMMENDED SEMESTER SEQUENCE WRT101 English Composition I 3 **First Semester** General Education Elective\*\* 3 INF101 Intro to Information Technology 3 INF108 PC Upgrade, Maintenance and 3 **Restricted Program Requirements** 27 Diagnosis INF114 Microsoft Office INF101 Intro to Information Technology 3 3 INF160 Networking Technologies and INF108 PC Upgrade, Maintenance and Diagnosis 3 3 INF114 Microsoft Office 3 **Data Communications** INF160 Networking Technologies and Data Communications INF163 Internet Concepts & Applications 3 3 **INF163 Internet Concepts & Applications** 3 WRT101 English Composition I 3 **INF253 Technical Communications** 3 18 **INF267 Network Security** 3 INF... Operating System Restricted Elective\* 3 Second Semester **BUS101 Introduction to Business** BUS101 3 Introduction to Business 3 INF253 **Technical Communications** 3 INF267 Network Security 3 Operating System Restricted Elective\* INF... 3 General Education Elective\*\* 3 **TOTAL CREDITS** 33 15

#### **Specific Program Notes**

\*Operating System Restricted Elective:

**INF232 Windows Client** 

INF235 Advanced PC Upgrade, Maintenance, and Diagnosis

INF254 Unix for the Network Administrator

<sup>\*\*</sup>General Education Course List – see page 1.

**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	RECOMMEN	DED SEMESTER SEQUENCE	
WRT101 English Composition I	3	First Semest	er	
General Education Elective*	3	G	Seneral Education Elective*	3
		HRM102 F	ood Protection and Safety	3
Restricted Program Requirements	27	HRM103 P	Professional Food Preparation	3
HRM102 Food Protection and Safety	3	Т	echniques .	
HRM103 Professional Food Preparation Techniques	3	HRM106 M	Menu Planning and Nutrition	1
HRM106 Menu Planning and Nutrition	1	HRM108 C	Computer Applications/	1
HRM108 Computer Applications/Hospitality Industry**	1	H	lospitality Industry**	
HRM110 Introduction to Baking	3	HRM110 Ir	ntroduction to Baking	3
HRM202 Quantity Food Productions & Service***	3	WRT101 E	nglish Composition I	3
HRM206 Commercial Restaurant Operation**	3		-	17
HRM212 International Cuisine**	3			
HRM213 Classical Garde-Manger***	3	Second Sem	ester	
HRM220 Advanced Baking Techniques**	3		General Education Elective*	3
		HRM202 C	Quantity Food Productions & Service	*** 3
		HRM206 C	Commercial Restaurant Operation**	3
Program Support Requirement: General Education Elective*	3	HRM212 Ir	nternational Cuisine**	3
		HRM213 C	Classical Garde-Manger***	3
		HRM220 A	dvanced Baking Techniques**	3
TOTAL CREDITS	35			18

## Specific Program Notes

- \*General Education Course List see page 1.
- \*\*Class offered only during spring semester.
- \*\*\*Class offered only during fall semester.

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	RECOMMENDED SEMESTER SEQUENCE
WRT101 English Composition I	3	First Semester
General Education Course: BIO104 Microbiology	4	BIO104 Microbiology 4
		CHM102 Chemistry in Context 4
Restricted Program Requirements	28	CHM112 College Chemistry 4
CHM102 Chemistry in Context	4	HRM103 Professional Food Preparation 3
CHM112 College Chemistry	4	Techniques
CHM212 Organic and Biochemistry	4	WRT101 English Composition I 3
HRM102 Food Protection and Safety	3	18
HRM103 Professional Food Preparation Techniques	3	
HRM106 Menu Planning and Nutrition	1	Second Semester
HRM110 Introduction to Baking	3	CHM212 Organic and Biochemistry 4
HRM212 International Cuisine*	3	HRM102 Food Protection and Safety 3
HRM213 Classical Garde-Manger**	3	HRM106 Menu Planning and Nutrition 1
		HRM110 Introduction to Baking 3
		HRM212 International Cuisine* 3
		HRM213 Classical Garde-Manger** 3
TOTAL CREDITS	35	17

#### Specific Program Notes

\*Class offered only during spring semester.
\*\*Class offered only during fall semester.

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	3
	Data Communications	
INF217	Database for Applications [Oracle]	3
INF	Programming Language Electives:	3
	Fundamentals**	
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:	3
	Advanced***	
	General Education Elective****	3
		16

**TOTAL CREDITS** 

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.

35

Program: Certificate in e-Commerce: Business Emphasis Certificate: One-Year [30-36 credit] Academic Certificate Code: CERT.e-COMM.BUS

GENERAL EDUCATION REQUIREMENTS	6
WRT101 English Composition I	3
General Education Course: ECO101 Macroeconomics	3
Restricted Program Requirements	30
BUS101 Introduction to Business	
or	3
BUS170 Small Business Management	
BUS103 Business Mathematics	3
BUS105 Business Communications	3
BUS107 e-Tailing	3
ACC110 Financial Accounting	
or	3
BUS205 Entrepreneurship	
BUS210 e-Marketing	3
BUS211 Internet Law	3
BUS271 e-Commerce	3
INF146 Web Development	3
INF163 Internet Concepts & Applications	3
TOTAL CREDITS	36
	- 00

#### 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**

Program: Certificate in Event Planning and Management Certificate: One-Year [30-36 credit] Academic Certificate Code: CERT.EVENT.PLAN.MGT

GENERAL EDUCATION REQUIREMENTS	6	RECOMMENDED SEMESTER SEQUENCE
WRT101 English Composition I	3	First Semester
General Education Elective*	3	BUS101 Introduction to Business 3
		BUS103 Business Mathematics 3
Restricted Program Requirements	30	BUS105 Business Communications 3
ACC120 Computerized Accounting	3	HRM101 Introduction to Hospitality Management 3
BUS101 Introduction to Business	3	HRM/BUS129 Event Planning & Management I 3
BUS103 Business Mathematics	3	WRT101 English Composition I 3
BUS105 Business Communications	3	18
BUS170 Small Business Management	3	
HRM101 Introduction to Hospitality Management	3	Second Semester
HRM129/BUS129 Event Planning & Management I	3	ACC120 Computerized Accounting 3
HRM201 Food and Beverage Cost Control	1	BUS170 Small Business Management 3
HRM203 Beverage Management	2	HRN201 Food and Beverage Cost Control 1
HRM219/LGL219 Hospitality Law	3	HRM203 Beverage Management 2
HRM229/BUS229 Event Planning & Management II	3	HRM/LGL219 Hospitality Law 3
ů ů		HRM/BUS229 Event Planning & Management II 3
		General Education Elective* 3
TOTAL CREDITS	36	18

Specific Program Notes
\*General Education Course List – see page 1.

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

GENERAL EDUCATION REQUIREMENTS		RECOMMENDED SEMESTER SEQUENCE		
WRT101 English Composition I	3	First Semester		
General Education Course: BOIO103 The Human Body	4	BIO103 The Human Body 4		
		BUS101 Introduction to Business 3		
Restricted Program Requirements	21	WEX159 CPR and Emergency First Aid 3		
BUS101 Introduction to Business	3	WEX164 Exercise Science 3		
PSY101 General Psychology	3	WRT101 English Composition I 3		
WEX159 CPR and Emergency First Aid	3	16		
WEX164 Exercise Science	3			
WEX106 Nutrition for Exercise and Fitness	3	Second Semester		
WEX182 Fitness Measurement	3	PSY101 General Psychology 3		
WEX184 Sports Medicine I – Theory & Practice	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		
TOTAL CREDITS	31	15		

## **Specific Program Notes**

Program: Certificate in Floral Design Certificate: One-Year [30-36 credit] Academic Certificate Code: CERT.FLORAL

GENERAL EDUCATION REQUIREMENTS		RECOMMENDED SEMESTER SEQUENCE		
WRT101 English Composition I	3	First Sem	ester	
General Education Elective*	3	HRT102	Plant Science	4
		HRT115	Floral Design	3
Restricted Program Requirements	26	HRT232	Plant Propagation	4
Business Elective**	3	WRT101	English Composition I	3
HRT102 Plant Science	4		General Education Elective*	3
HRT115 Floral Design	3			17
HRT119 Greenhouse Operation and Production	3			
HRT120 Interior Plantscaping	3	Second S	emester	
HRT232 Plant Propagation	4	HRT119	Greenhouse Operation and Production	1 3
HRT234 Commercial Floral Design & Management	4	HRT120	Interior Plantscaping	3
HRT462 Co-op Work Experience (Horticulture)	2	HRT234	Commercial Floral Design &	4
			Management	
Program Support Requirement: General Education Elective*	3	HRT462	Co-op Work Experience (Horticulture)	2
			Business Elective**	3
			General Education Elective*	3
TOTAL CREDITS	35			18

Specific Program Notes
\*General Education Course List – see page 1.
\*\*Three credits from any course(s) in ACC, BUS, or INF.

Program: Certificate in Grounds Management Certificate: One-Year [30-36 credit] Academic Certificate Code: CERT.GRND.MGT

GENERAL EDUCATION REQUIREMENTS	6	RECOMMENDED SEMESTER SEQUENCE
WRT101 English Composition I	3	First Semester
General Education Elective*	3	HRT102 Plant Science 4
		HRT103 Turf and Grounds Management 3
Restricted Program Requirements	26-28	HRT104 Landscape Plants and Materials I 2
HRT102 Plant Science	4	HRT112 Pests of Ornamental Plants 4
HRT103 Turf and Grounds Management	3	HRT130 Landscaping Contracting 1
HRT104 Landscape Plants and Materials I	2	WRT101 English Composition I 3
HRT112 Pests of Ornamental Plants	4	17
HRT124 Irrigation Technology	2	
HRT125 Equipment Management 2 Second Semester		Second Semester
HRT130 Landscaping Contracting	1	HRT124 Irrigation Technology 2
HRT235 Landscape Site Analysis & Construction	3	HRT125 Equipment Management 2
HRT237 Arboriculture/Plant Health Care	3	HRT235 Landscape Site Analysis & 3
Restricted Elective*	2-4	Construction
		HRT237 Arboriculture/Plant Health Care 3
		Restricted Elective* 2-4
		General Education Elective** 3
TOTAL CREDITS	32-34	15-17

Specific Program Notes
\*Restricted Electives: HRT113, HRT232, HRT233
\*\*General Education Course List – see page 1.

**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		RECOMMENDED SEMESTER SEQUENCE		
WRT101 English Composition I	3	First Sem	ester	
General Education Elective*	3		General Education Elective*	3
		HRM101	Introduction to Hospitality Manageme	nt 3
Restricted Program Requirements	27	HRM102	Food Protection and Safety	3
HRM101 Introduction to Hospitality Management	3	HRM103	Professional Food Preparation	3
HRM102 Food Protection and Safety	3		Techniques	
HRM103 Professional Food Preparation Techniques	3	HRM104	Front Office Procedures**	2
HRM104 Front Office Procedures**	2	HRM108	Computer Applications/	1
HRM108 Computer Applications/Hospitality Industry***	1		Hospitality Industry***	
HRM201 Food and Beverage Cost Control	1	WRT101	English Composition I	3
HRM203 Beverage Management	2			18
HRM204 Food Purchasing	2			
HRM205 Restaurant Service Management	3	Second S	emester	
HRM207 Hotel Sales & Convention Planning	1		General Education Elective*	3
HRM214 Banquet & Catering Management	2	HRM201	Food and Beverage Cost Control	1
HRM217 Issues in the Hospitality Industry	2	HRM203	Beverage Management	2
HRM462 Co-op Work Experience (H/R/H)	2	HRM204	Food Purchasing	2
		HRM205	Restaurant Service Management	3
		HRM207	Hotel Sales & Convention Planning	1
Program Support Requirement: General Education Elective*	3	HRM214	Banquet & Catering Management	2
		HRM217	Issues in the Hospitality Industry	2
		HRM462	Co-op Work Experience (H/R/H)	2
TOTAL CREDITS	36			18

## Specific Program Notes

\*General Education Course List - see page 1.

<sup>\*\*</sup>Class offered only during fall semester.
\*\*\*Class offered only during spring semester.

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

#### 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	3
	Construction	
INF101	Intro to Information Technology	3
	General Education Elective*	3
		18

**TOTAL CREDITS** 

Students enrolled in this program ARE NOT REQUIRED to successfully complete a course in basic algebra if indicated by Placement Testing.

35-36

Specific Program Notes
\*General Education Course List – see page 1.
\*\*Restricted HRT Elective: HRT101, HRT102, HRT112, HRT120, HRT236.

Program: Certificate in Legal Nurse Consultant

Certificate: One-Year [30-36 credit] Academic Certificate

Code: CERT.LGN.CONS

# GENERAL EDUCATION REQUIREMENTS 6 RECOMMENDED SEMESTER SEQUENCE

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

First Seme	ester	
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

#### **TOTAL CREDITS**

#### **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.

30

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 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: Certificate in Medical Office Administrative Assistant Certificate: One-Year [30-36 credit] Academic Certificate Code: CERT.MOAA

GENERAL EDUCATION REQUIREMENTS	6	RECOMM	ENDED SEMESTER SEQUENCE	
WRT101 English Composition I	3	First Sem	ester	
General Education Course: PSY101 General Psychology	3	MOA140	Medical Terminologyt	3
		MOA141	Introductin to Medical Assisting	3
Restricted Program Requirements	24	MOA203	Medical Assistant Admin Procedures I	3
MOA140 Medical Terminologyt	3	MOA218	Medical Economics	2
MOA141 Introductin to Medical Assisting	3	INF119	Document Processing with MS Word	3
MOA201 Diagnostic and Procedural Coding	4	WRT101	English Composition I	3
MOA203 Medical Assistant Administrative Procedures I	3		,	17
MOA204 Medical Assistant Administrative Procedures II	3			
MOA218 Medical Economics	2	Second S	emester	
INF119 Document Processing with MS Word	3	MOA201	Diagnostic and Procedural Coding	4
WEX159 CPR and Emergency First Aid	3	MOA204	Medical Assistant Admin Procedures II	3
<b>3</b> ,		PSY101	General Psychology	3
		WEX159	CPR and Emergency First Aid	3
TOTAL CREDITS	30		3 3,	13

## Specific Program Notes

**Program: Certificate in Music Business** 

Certificate: One-Year [30-36 credit] Academic Certificate Code: CERT.MUSC.BUS

GENERAL EDUCATION REQUIREMENTS	6
WRT101 English Composition I	3
General Education Elective*	3
Restricted Program Requirements	21
BUS101 Introductin to Business	3
MUS152 Introduction to the Music Business	3
MUS163 Careers in Music	3
MUS252 Music in the Marketplace	3
MUS262 Concert Promotion and Production	3
MUS Music Elective	3
BUS Business Elective	
or	
INF Information Technology Elective	3
or	
COM Communication Elective	

#### RECOMMENDED SEMESTER SEQUENCE

#### First Semester

BUS101	Introductin to Business	3
MUS152	Introduction to the Music Business	3
MUS163	Careers in Music	3
MUS	Music Elective	3
WRT101	English Composition I	3
		15

#### **Second Semester**

MUS252	Music in the Marketplace	3
MUS262	Concert Promotion and Production	3
BUS	Business Elective	
	or	
INF	Information Technology Elective	3
	or	
COM	Communication Elective	
	General Education Elective*	3
	Free Elective	3
		15

**FREE ELECTIVE** 

**TOTAL CREDITS** 

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.

30

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.

**Program: Certificate in Musical Theater** 

Certificate: One-Year [30-36 credit] Academic Certificate

Code: CERT.MUSC.THR

#### **GENERAL EDUCATION REQUIREMENTS** 6 RECOMMENDED SEMESTER SEQUENCE WRT101 English Composition I 3 **First Semester** General Education Elective\* 3 DAN102 Ballet **DAN104** Tap Dance 1 **Restricted Program Requirements** 29 MUA106 Voice I 1 2 DAN102 Ballet MUS103 Fundamentals of Music MUS110 DAN104 Tap Dance Music, Art, and Drama 1 MUA106 Voice I MUS121 Chorus I 1 1 MUA246 Voice II 1 MUS131 Class Piano I 2 MUS103 Fundamentals of Music **Basic Acting Techniques** 2 THR110 3 MUS109/THR109 History of Musical Theatre 3 WRT101 English Composition I 3 MUS110 Music, Art, and Drama 3 17 MUS118 Vocal Workshop 2 MUS121 Chorus I Second Semester 1 2 MUA246 Voice II MUS131 Class Piano I 1 MUS134 Ear Training and Musicianship I 2 MUS/THR109 History of Musical Theatre 3 Vocal Workshop THR110 Basic Acting Techniques 3 MUS118 2 THR113 Movement for the Performing Artist Ear Training and Musicianship I 2 2 MUS134 THR114 Audition Techniques Movement for the Performing Artist 2 2 THR113 Restricted Elective 3 THR114 **Audition Techniques** 2 Restricted Elective 3 General Education Elective\* 3 **TOTAL CREDITS** 35 18

#### **Specific Program Notes**

<sup>\*</sup>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.

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 General Education Elective**	3 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	3
INF147 Web Development Using Dreamweaver	
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	3	
INF147	Web Dev Using Dreamweaver		
INF253	Technical Communications	3	
INF228	Excel for Problem Solving	1	
INF	Restricted Elective†	3	
		16	

- \*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.

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 possessing an Associate Degree or higher from an accredited college. (3) Prerequisite courses: Anatomy and Physiology I and II [BIO109 and BIO209]; MAT160 Intermediate Algebra; MAT180 Precalculus; PHY185 General Physics. In addition to the above-stated requirements, candidates cannot be accepted into the program until at least one of the following three courses have been completed: MAT150, WRT201, COM100. Two of these general education courses may be taken concurrently with the program. Successful completion of all three courses is required by the American Registry of Radiologic Technologists and the NJ Department of Environmental Protection.

6

36

Program Admits: Fall semester only.

Note: Students who are interested in the program should make an appointment to meet with the Program Director regarding admission.

#### **GENERAL EDUCATION REQUIREMENTS**

# WRT201 English Composition II\* General Education Course 3 COM100 Speech Communication or MAT150 Statistics I

Restricted Program Requirements	30
RTT110 Introduction to Radiotherapy & Patient Care Manage	ement 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

#### RECOMMENDED SEMESTER SEQUENCE

#### First Semester

WRT201	English Composition II*	3
RTT 110	Introduction to Radiotherapy and	2
	Patient Care Management	
RTT 120	Radiation Therapy Practices I	4
RTT 130	Radiation Biology and Safety	3
RTT 150	Principles of Diagnostic	3
	Radiation Physics	
RTT 121	Radiation Therapy Clinical	2
	Practicum I	
		17

#### Second Semester

COM100	Speech Communication	
	or	3
MAT150	Statistics I	
RTT 200	Survey of Diseases	3
RTT 210	<b>Dosimetry and Treatment Practices</b>	3
RTT 220	Radiation Therapy Practices II	4
RTT 230	Advanced Procedures	2
RTT 221	Radiation Therapy Clinical	2
	Practicum II	
		17

#### **Third Semester**

RTT222	Radiation Therapy Clinical Practicum III	2
		2

#### **Specific Program Notes**

**TOTAL CREDITS** 

\*WRT201 has a prerequisite of WRT101 English Composition I.

Program: Certificate in Small Business Management Certificate: One-Year [30-36 credit] Academic Certificate Code: CERT.SM.BUS.MGMT

GENERAL EDUCATION REQUIREMENTS	6	RECOMMENDED SEMESTER SEQUENCE		
WRT101 English Composition I	3	First Sem	ester	
General Education Course: ECO101 Macroeconomics	3	BUS101	Introduction to Business	3
		BUS103	Business Mathematics	3
Restricted Program Requirements	30	BUS105	Business Communications	3
ACC120 Computerized Accounting	3	BUS170	Small Business Management	3
BUS101 Introduction to Business	3	INF114	Microsoft Office	3
BUS103 Business Mathematics	3	WRT101	English Composition I	3
BUS105 Business Communications	3			18
BUS170 Small Business Management	3	'		
BUS201 Marketing Principles	3	Second S	emester	
BUS205 Entrepreneurship	3	ACC120	Computerized Accounting	3
BUS233 Business Law I	3	BUS201	Marketing Principles	3
Restricted Business Elective*	3	BUS205	Entrepreneurship	3
INF114 Microsoft Office	3	BUS233	Business Law I	3
			Restricted Business Elective*	3
		ECO101	Macroeconomics	3
TOTAL CREDITS	36			18
		<u> </u>	_	

Specific Program Notes
\*BUS104, BUS106, BUS110, or BUS271.

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] SUR103 Surgical Terminology 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]

#### RECOMMENDED SEMESTER SEQUENCE

#### First Semester

BIO109	Anatomy & Physiology I	4
SUR101	Principles of Surgical Technology I	6
SUR102	Surgical Technology Externship I	2
	[16 hrs/wk x 15 weeks]	
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	2
	[16 hrs/wk x 15 weeks]	
	General Education Elective*	3
		14

#### **Third Semester**

SUR203	Surgical Technology Externship III	1
	[40 hrs/wk x 4 weeks]	
		1

## TOTAL CREDITS

Specific Program Notes
\*General Education Course List – see page 1.

Students enrolled in this program ARE <u>NOT</u> REQUIRED to successfully complete a course in basic algebra if indicated by Placement Testing.

33

Program: Certificate in Transfer Studies: Liberal Arts Certificate: One-Year [30-36 credit] Academic Certificate Code: CERT.TRAN.LA.GEN

GENERAL EDUCATION REQUIREMENTS	6
WRT101 English Composition I	3
WRT201 English Composition II	3
Restricted Program Requirements	28-29
COM COM100 Speech Communication or	3
COM102 Public Speaking	
HISHistory Electives*†	6
Humanities Elective*†	3
MAT/CIS Mathematics/Computer Science Elective***	3-4
Natural Science Elective*	4
Social Science Elective*†	3
General Education Electives*	6

#### RECOMMENDED SEMESTER SEQUENCE

#### **First Semester**

COM	COM100 Speech Communication	3
	or COM102 Public Speaking	
HIS	History Elective*†	3
MAT/CIS	. Mathematics/Computer Science/	3-4
	Technology Elective*	
WRT101	English Composition I	3
	Humanities Elective*†	3
	General Education Elective*	3
		18-19

#### **Second Semester**

HIS	History Elective*†	3
	Natural Science Elective*	4
	Social Science Elective*†	3
WRT201	English Composition II	3
	General Education Elective*	3
		16

**TOTAL CREDITS** 

Specific Program Notes
\*General Education Course List – see page 1.

†It is recommended that you select (at least) one General Education Humanities or Social Science elective which is also a Diversity Course - see on page 1.

34-35

Program: Certificate in Transfer Studies: Science, Technology, Professional Studies

Certificate: One-Year [30-36 credit] Academic Certificate
Code: CERT.TRAN.STP.GEN

GENERAL EDUCATION REQUIREMENTS	6
WRT101 English Composition I	3
WRT201 English Composition II	3
Restricted Program Requirements	28-29
COM COM100 Speech Communication or	3
COM102 Public Speaking	
Humanities Elective*‡	3
Mathematics/Computer Science/Natural Science Elective	3-4
Natural Science Elective*†	4
Social Science Elective*‡	3
Introductory courses required in the proposed major	12

#### RECOMMENDED SEMESTER SEQUENCE

First Sem	ester	
	Mathematics/Computer Science/	3-4
	Natural Science/Technology Elective	*
	Natural Science Elective*†	4
WRT101	English Composition I	3
	Select introductory courses required	6
	in the proposed major	
		16-17

#### **Second Semester**

COM	COM100 Speech Communication	3
	or COM102 Public Speaking	
	Humanities Elective*‡	3
	Social Science Elective*‡	3
WRT201	English Composition II	3
	Select introductory courses required	6
	in the proposed major	
		18

**TOTAL CREDITS** 

Specific Program Notes
\*General Education Course List – see page 1.

†Select from Biology, Chemistry, or Physics ‡It is recommended that you select (at least) one General Education Humanities or Social Science elective which is also a Diversity Course – see on page 1.

34-35

Certificate	Accounting Assistant of Achievement A.ACCT.ASST		
First Seme	ostor		
ACC110	Financial Accounting	3	
ACC120	Computerized Accounting	3	
ACC140	Federal Income Tax Return Preparation	1	
INF124	Spreadsheet: Excel	1	
		8	
Second S			
ACC210	Managerial Accounting	3	
INF228	Excel for Problem Solving	1	
ACC	Restricted Elective*	3	
		7	
Third Sem	nester		
ACC463	Co-Op Work Experience (Accounting) or	3	
ACC202	Intermediate Accounting I		
		3	
TOTAL CF	TOTAL CREDITS 18		

\*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 Seme	ester	
BUS101	Introduction to Business	3
HRM103	Professional Food Prep Techniques	3
HRM110	Introduction to Baking	3
		9
Second Se	emester	
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.

Program: Biotechnology Certificate of Achievement Code: COA.BIO.TECH			
First Sem	First Semester		
BIO101	General Biology I	4	
CHM140	General Chemistry I	3	
CHM141	General Chemistry Laboratory I	1	
		8	
Second S	emester		
BIO210	Introduction to Biotechnology	4	
MAT150	Statistics I	3	
		7	
Third Semester			
BIO211	Introduction to Bioinformatics	3	
		3	
TOTAL CREDITS 18			

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 Nealect
- --Module 4: Student and Staff Safety and Health
- --56 hours of NJEA-approved ESP Career Development Training

3
3
3
9
3
1
3
2
9
18

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 <u>NOT</u> 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 Sem	ester		
MFG122	Machine Tool Principles I	3	
MFG227	CNC Programming I*	4	
		7	
	Second Semester		
MFG228		3	
DFT107	Drafting I	2	
		5	
TOTAL CREDITS 12		12	
Specific Program Notes  *Offered only in fall semesters.  **Offered only in spring semesters.			

"Offered only in spring semesters.

	Finance e of Achievement A.FINANCE	
First Sem	ester	
ACC110	Financial Accounting	3
BNF101	Principles of Banking*	3
BUS101	Introduction to Business	3
		9
Second S	emester	
BNF201	Principles of Finance	3
BNF202	Asset Management**	3
ECO101	Macroeconomics or Personal Finance & Manay Management	3
BNF102	Personal Finance & Money Management	9
		9
TOTAL C	REDITS	18
Specific E	Program Notos	

\*Class offered only in fall semesters.

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 Sem	nester	
FIR101	Introduction to Fire Protection*	3
FIR102	Fundamentals of Fire Prevention/	3
	Fire Inspector I**	
FIR103	Building Codes and Standards	3
FIR104	Fire Tactics and Strategy	3
FIR105	Fire Administration	3
		15
TOTAL C	REDITS	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 Sem	ester	
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

<sup>\*\*</sup>Class offered only in spring semesters.

Certificate	Hospitality Operations e of Achievement A.HOSP.OPR	
First Sem	ester	
BUS101	Introduction to Business	3
HRM101	Introduction to Hospitality Management	3
HRM104	Front Office Procedures	2
HRM108	Computer Applications for the Hospitality	1
	Industry	
		9
Second S	emester	
BUS205	Entrepreneurship	3
HRM203	Beverage Management	2
HRM205	Restaurant Service Management	3
HRM207	Hotel Sales & Convention Planning	1
	-	9
TOTAL CF	REDITS	18

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

Program: Machine Tooling			
Certificate	e of Achievement		
Code: CO	A.MACH.TOOL		
First Sem	ester		
DFT101	Drafting I	2	
DFT210	Computer Aided Drafting I	3	
MFG122	Machine Tool Principles I	3	
		8	
Second S	emester		
MFG119	Pro/Engineer Design I*	3	
MFG222	Machine Tool Principles II**	3	
		6	
TOTAL C	REDITS	14	
Specific P	Program Notes		
*Offered only in first half of fall semesters.			
	only in spring semesters.		
	, , ,		
Students e	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 Seme	ester	
MFG119	Pro/Engineer Design I*	3
		3
Second Se	emester	
MFG219	Pro/Engineer Design II**	3
		3
Third Sem	ester	
MFG220	Pro/Engineer Design III***	3
		3
Fourth Sei	mester	
MFG221	Pro/Engineer Design IV****	3
		3
TOTAL CREDITS 12		

- \*Offered only in first half of fall semesters.
  \*Offered only in second half of fall semesters.
  \*\*\*Offered only in first half of spring semesters.
- \*\*\*\*Offered only in second half of spring semesters.

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 Sem	ester	
BUS101	Introduction to Business	3
BUS105	Business Communications	3
PSY101	General Psychology	3
		9
Second S	emester	
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: CO	Code: COA.MUSC.COMM.PROD		
First Sem	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 S	emester		
MUS150	Introduction to MIDI Sequencing and Synthes	sis 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

Placement Testing.

successfully complete a course in basic algebra if indicated by

Program: Network Security Certificate of Achievement Code: COA.NET.SECURITY		
First Sen	nester	
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.

Program: Nonprofit Management Certificate of Achievement Code: COA.NONPRF.MGT		
First Sem	ester	
ACC115	Government and Not-for-Profit Accounting	3
BUS115	Introduction to Nonprofit Organizations	3
BUS116	Funding and Grant Management	3
		9
Second S	emester	
BUS201	Marketing Principles	3
BUS207	Principles of Management	3
LGL209	Nonprofit Law	3
		9
TOTAL C	REDITS	18

Program: Private Security Certificate of Achievement Code: COA.PRIV.SECURITY		
First Sem	nester	
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 C	REDITS	15
Specific F	Program Notes	

Students enrolled in this program ARE NOT REQUIRED to successfully complete a course in basic algebra if indicated by

## **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	

HRIVITU2	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

Placement Testing.

First Semester

#### BUS101 Introduction to Business 3 REA101 Principles of Real Estate 3 6 **Second Semester** 3

#### Zoning, Planning and Land Use REA202 N.J. Environmental Regulations 3 REA203 REA204 Real Estate Leasing\* 2 REA206 Real Estate Finance 1 9

15

# **TOTAL CREDITS**

#### **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.

12

Program: Sports Management Certificate of Achievement Code: COA.SPORTS.MGMT			
First Sem	ester		
BUS101	Introduction to Business	3	
WEX101	Dynamics of Health and Fitness	2	
WEX126	Sports Administration	3	
		8	
Second S	emester		
BUS203	Sports Marketing	3	
WEX127	Sports Events and Facilities Management	3	
WEX473	Co-Op Work Experience/Sports Mgmt, or	3	
	or	3	
WEX128	Sport Fundamentals		
		9	
TOTAL C	REDITS	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.			

ĺ	Program:	Special Imaging for Radiologic Technologists	
	Certificate of Achievement		
	Code: CO	A.IMAG.RAD	
	in the field study in a registered/	am is for practicing professionals whose experien has gained them the equivalent of one year of two-year program. All students must be //licensed radiographers [RT(R)/LXT] in good o enroll in this program.	ce
	First Semester		
	RAD250	Cross-Sectional Anatomy for Specialty Imaging	4
	RAD251	Computer Tomography	3
	RAD252	Magnetic Resonance Imaging	3
			10
	Second S	emester	
	RAD253	Magnetic Resonance Imaging Clinical Practicum	n 1
	RAD254	Computerized Tomography Clinical Practicum	1
			2

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

#### **Program: Sports Merchandising** Certificate of Achievement Code: COA.SPORT.MERCH **First Semester** Introduction to Business BUS101 3 BNF103 3 Sports Finance BUS150 Sport and Team Branding 3 8

Second Semester				
BUS203	Sports Marketing	3		
BUS251	Sports Merchandising & Promotion	3		
	Restricted Elective*	3		
		9		

18
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 Sem			
DFT107	Drafting I	2	
MFG130	Welding Technology I*	3	
		5	
Second S	emester		
MFG230	Welding Technology I**	3	
MFG229	Materials Processing & Fabrication	4	
		7	
TOTAL C	REDITS	12	

**TOTAL CREDITS** 

Placement Testing.

**Specific Program Notes** 

- Specific Program Notes
  \*Offered only in fall semesters.
- \*\*Offered only in spring semesters.