

ASSOCIATE in SCIENCE DEGREE (A10400)

Pre-Science General Education Courses (Fall 2009-Summer 2010)

Students planning to major in astronomy, biology, biochemistry, computer science, geology, mathematics, physics, pre-professional, and other programs requiring pre-calculus or calculus should choose the Associate in Science Program. Contact Judith Kasperek, Science Department Chair, for more information about the Associate in Science program. Telephone: 493-7270. Email: jkaspere@email.pittcc.edu.

General Education: 59 SHC	+	Electives: 6 SCH	=	Total for Graduation: 65 SCH
<p>Composition: Select 6 SHC</p> <p>English 111 Expository Writing AND ONE of the following 3</p> <p>English 112 Argument-Based Rsch 3</p> <p>English 113 Literature-Based Rsch 3</p> <p>English 114 Prof. Rsch & Reporting 3</p> <p>*ECU prefers ENG 112</p> <p>Humanities/Fine Arts: Select 9 SHC Total. One course must be a literature</p> <p>Literature: 3 SHC required</p> <p>ENG 131 Introduction to Literature 3</p> <p>ENG 231 American Literature I 3</p> <p>ENG 232 American Literature II 3</p> <p>ENG 233 Major American Writers 3</p> <p>ENG 241 British Literature I 3</p> <p>ENG 242 British Literature II 3</p> <p>ENG 243 Major British Writers 3</p> <p>ENG 261 World Literature 3</p> <p>ENG 262 World Literature 3</p> <p>Fine Arts/Foreign Language: Select 3 SHC</p> <p>ART 111 Art Appreciation 3</p> <p>ART 114 Art History Survey I 3</p> <p>ART 115 Art History Survey II 3</p> <p>ASL 111 Elem. Am. Sign Lang I 3</p> <p>ASL 112 Elem. Am. Sign Lang II 3</p> <p>DRA 111 Theatre Appreciation 3</p> <p>DRA 112 Literature of the Theatre 3</p> <p>DRA 122 Oral Interpretation 3</p> <p>*FRE 111 Elementary French I 3</p> <p>*FRE 112 Elementary French II 3</p> <p>FRE 211 Intermediate French I 3</p> <p>FRE 212 Intermediate French II 3</p> <p>GER 111 Elementary German I 3</p> <p>GER 112 Elementary German II 3</p> <p>MUS 110 Music Appreciation 3</p> <p>MUS 113 American Music 3</p> <p>*SPA 111 Elementary Spanish I 3</p> <p>*SPA 112 Elementary Spanish II 3</p> <p>SPA 211 Intermediate Spanish I 3</p> <p>SPA 212 Intermediate Spanish II 3</p> <p><i>*2 Foreign Language courses recommended for UT students. Research requirements at the intended university for transfer.</i></p> <p>Humanities: Select 3 SHC</p> <p>HUM 110 Technology and Society 3</p> <p>HUM 115 Critical Thinking 3</p> <p>HUM 120 Cultural Studies 3</p> <p>HUM 130 Myth in Human Culture 3</p> <p>HUM 160 Introduction to Film 3</p> <p>PHI 210 History of Philosophy 3</p> <p>PHI 230 Introduction to Logic 3</p> <p>PHI 240 Introduction to Ethics 3</p> <p>REL 110 World Religions 3</p> <p>REL 211 Intro to Old Testament 3</p> <p>REL 212 Intro to New Testament 3</p> <p>Speech/Communications Recommended: <i>May be substituted for 3 SHC Fine Arts/Humanities</i></p> <p>COM 110 Intro to Communications 3</p> <p>COM 120 Intro to Interpersonal Com. 3</p> <p>COM 231 Public Speaking 3</p>	<p>Natural Sciences and Mathematics: 14 SHC Total. Must include at least one Science Sequence.</p> <p>Natural Sciences: Select 8 SHC</p> <p>BIO 111 General Biology I 4</p> <p>BIO 112 General Biology II 4</p> <p style="text-align: center;">OR</p> <p>CHM 151 General Chemistry I 4</p> <p>CHM 152 General Chemistry II 4</p> <p style="text-align: center;">OR</p> <p>PHY 151 College Physics I 4</p> <p>PHY 152 College Physics II 4</p> <p>Mathematics: Required</p> <p>MAT 175 Pre-Calculus 4</p> <p><i>*Local prerequisite MAT 161</i></p> <p>MAT 175A 1</p> <p><i>*PCC requires 175A as a corequisite</i></p> <p>Other Quantitative: 3 SHC Required</p> <p>*CIS 110 Intro to Computers 3</p> <p>CIS 115 Intro to Prog & Logic 3</p> <p>MAT 155 Statistical Analysis 3</p> <p>MAT 271 Calculus I 3</p> <p><i>*PCC requires CIS 110 for Graduation.</i></p> <p>Other Required: Select 20 SHC from those NOT used to meet the above Natural Sciences/Math requirements</p> <p>Natural Sciences/Math Requirements:</p> <p>BIO 111 General Biology I 4</p> <p>BIO 112 General Biology II 4</p> <p>BIO 120 Introduction to Botany 4</p> <p>BIO 130 Introduction to Zoology 4</p> <p>CHM 151 General Chemistry I 4</p> <p>CHM 152 General Chemistry II 4</p> <p>CIS 110 Introduction to Computers 3</p> <p>CIS 115 Intro to Prog & Logic 3</p> <p>GEL 120 Physical Geology 4</p> <p>GEL 230 Environmental Geology 4</p> <p>PHY 151 College Physics I 4</p> <p>PHY 152 College Physics II 4</p> <p>PHY 251 General Physics I 4</p> <p>PHY 252 General Physics II 4</p> <p>MAT 155 Statistical Analysis 3</p> <p>MAT 271 Calculus I 4</p> <p>MAT 272 Calculus II 4</p> <p>MAT 273 Calculus III 4</p>	<p>Social/Behavioral Sciences: Select 9 Total SHC. <i>Select 3 courses from 3 different prefix areas. One course must be a history course.</i></p> <p>History: 3 SHC Required</p> <p>HIS 111 World Civilization I 3</p> <p>HIS 112 World Civilization II 3</p> <p>HIS 115 Intro to Global History 3</p> <p>HIS 121 Western Civilization I 3</p> <p>HIS 122 Western Civilization II 3</p> <p>HIS 131 American History I 3</p> <p>HIS 132 American History II 3</p> <p>Social and Behavioral Sciences: Select 6 SHC</p> <p>ANT 210 General Anthropology 3</p> <p>ANT 220 Cultural Anthropology 3</p> <p>ECO 251 Principles of Microeconomics 3</p> <p>ECO 252 Principles of Macroeconomics 3</p> <p>GEO 111 World Regional Geography 3</p> <p>POL 120 American Government 3</p> <p>PSY 150 General Psychology 3</p> <p>PSY 241 Development Psychology 3</p> <p>PSY 281 Abnormal Psychology 3</p> <p>SOC 210 Introduction to Sociology 3</p> <p>SOC 213 Sociology of the Family 3</p> <p>SOC 220 Social Problems 3</p> <p>Developmental Courses: Based on placement test scores, students may be placed into the Associate of General Education/University Transfer Program (AGE-UT) in order to complete necessary developmental courses before enrolling in some University Transfer (UT) Curriculum Courses.</p> <p>*English/Reading:</p> <p>ENG 075 Reading / Lang. Essentials 5</p> <p>ENG 075A Reading / Lang. Essentials 1</p> <p>ENG 085 Reading/Writing Foundations 5</p> <p>ENG 085A Reading/Writing Foundations 1</p> <p>ENG 095 Reading/Comp Strategies 5</p> <p>ENG 095A Reading/Comp Strategies 1</p> <p>RED 090 Improved College Reading 4</p> <p>RED 111 Critical Reading for College 3</p> <p>*Mathematics:</p> <p>MAT 050 Basic Math Skills 4</p> <p>MAT 060 Essential Mathematics 4</p> <p>MAT 070 Introductory Algebra 4</p> <p>MAT 080 Intermediate Algebra 4</p> <p style="text-align: center;">OR</p> <p>MAT 090 Accelerated Algebra 4 <i>(Mat 090 fulfills BOTH 070/080)</i></p> <p>Students required to take any 2 developmental courses must enroll in ACA 090 Study Skills (3 SHC).</p>		

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General Education: 59 + *Electives: 6 SCH* = *Total for Graduation: 65 SHC*

ACA 122: University Transfer College Student Success (1 SCH) is required for graduation from PCC.

*ACA 111 may be substituted.

*PCC policy states new students should enroll in ACA 122 within the first 12 SHC at PCC (unless the course has been transferred from another college or the student has transferred 24 SHC from another institution).

Elective Courses are either selected from the list below OR may be chosen from a General Education Course on the front side of the sheet once the requirement for the discipline has been fulfilled.

Electives: Select 5 SHC

ACC 120	Prin. of Financial Acc.	4	BUS 110	Intro to Business	3	MAT 161	College Algebra	3
ACC 121	Prin. of Managerial Acc.	4	BUS 115	Business Law I	3	MAT 162	College Trig.	3
ART 121	Design I	3	BUS 137	Prin. Of Management	3	MAT 175A	Pre-calculus Lab	1
ART 122	Design II	3	CHM 131	Intro to Chemistry AND	3	MAT 263	Brief Calculus	3
ART 131	Drawing I	3	CHM 131A	Intro to Chemistry Lab	1	MAT 272	Calculus II	4
ART 132	Drawing II	3	CHM 132	Organic & Biochemistry	4	MAT 273	Calculus III	4
ART 135	Figure Drawing I	3	CJC 111	Intro to Criminal Justice	3	MAT 280	Linear Algebra	3
ART 171	Computer Art I	3	CJC 121	Law Enforcement Oper.	3	MAT 285	Differential Equations	3
ART 240	Painting I	3	CJC 141	Corrections	3	MUS 131	Chorus I	1
ART 245	Metals I	3	COM 111	Voice and Diction I	3	MUS 132	Chorus II	1
ART 246	Metals II	3	COM 140	Intro to Intercultural Com	3	MUS 137	Orchestra I	1
ART 247	Jewelry I	3	COM 150	Intro to Mass Com	3	MUS 138	Orchestra II	1
ART 248	Jewelry II	3	CSC 134	C++ Programming	3	MUS 231	Chorus III	1
ART 250	Surface Design: Textiles	3	CSC 139	Visual Basic Program.	3	MUS 232	Chorus IV	1
ART 251	Weaving I	3	CSC 151	JAVA Programming	3	MUS 237	Orchestra III	1
ART 260	Photography Appreciation	3	DRA 124	Readers Theatre	3	MUS 238	Orchestra IV	1
ART 261	Photography I (B&W)	3	DRA 130	Acting I	3	PED 110	Fit and Well for Life	2
ART 262	Photography II (B&W)	3	DRA 131	Acting II	3	PED	Any Physical Education	1
ART 264	Digital Photography I	3	DRA 135	Acting for the Camera	3	PHY 110	Conceptual Physics AND	3
ART 265	Digital Photography II	3	EDU 216	Intro to Education	4	PHY 110A	Conceptual Physics Lab	1
ART 275	Intro to Commercial Art	3	ENG 125	Creative Writing I	3	POL 130	State & Local Gov.	3
ART 281	Sculpture I	3	ENG 126	Creative Writing II	3	SPA 161	Cultural Immersion	3
ART 282	Sculpture II	3	ENG 253	The Bible as Literature	3			
ASL 181	ASL Lab I	1	ENG 273	African-American Lit.	3			
ASL 182	ASL Lab II	1	FRE 161	Cultural Immersion	3			
AST 111	Descriptive Astro AND	3	GEL 120	Physical Geology	4			
AST 111A	Descriptive Astro Lab	1	HEA 110	Per. Health & Wellness	3			
AST 251	Observational Astronomy	3	HIS 145	The Second World War	3			
BIO 110	Principles of Biology	4	HIS 162	Women and History	3			
BIO 120	Introductory Botany	4	HIS 221	African-American Hist.	3			
BIO 130	Introductory Zoology	4	HUM 140	History of Architecture	3			
BIO 140	Environ. Biology AND	3	HUM 180	Interna. Cultural Expl.	3			
BIO 140A	Environ. Biology Lab	1						
BIO 155	Nutrition	3						
BIO 163	Basic Anat. & Physiology	5						
BIO 168	Anatomy & Physiology I	4						
BIO 169	Anatomy & Physiology II	4						
BIO 175	General Microbiology	3						

*MAT 161 is a prerequisite to MAT 175 and earns 3 SHC toward the 6 SHC electives.

*MAT 175A is a local prerequisite and earns 1 SHC toward the 6 SHC electives.