

ASSOCIATE in SCIENCE DEGREE (10400)

Pre-Science General Education Courses (Fall 2008-Summer 2009)

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: 58 SHC	+	Electives: 7 SCH	=	Total for Graduation: 65 SCH
<p>Composition: Select 6 SHC</p> <p>English 111 Expository Writing AND 3 <i>ONE of the following</i></p> <p>English 112 Argument-Based Rsch 3 English 113 Literature-Based Rsch 3 English 114 Prof. Rsch & Reporting 3</p> <p>*ENG 112 or 113 preferred</p> <p>Humanities/Fine Arts: Select 9 SHC Total. <i>One course must be a literature</i></p> <p>Literature: 3 SHC required</p> <p>ENG 131 Introduction to Literature 3 ENG 231 American Literature I 3 ENG 232 American Literature II 3 ENG 233 Major American Writers 3 ENG 241 British Literature I 3 ENG 242 British Literature II 3 ENG 243 Major British Writers 3 ENG 261 World Literature 3 ENG 262 World Literature 3</p> <p>Fine Arts/Foreign Language: Select 3 SHC</p> <p>ART 111 Art Appreciation 3 ART 114 Art History Survey I 3 ART 115 Art History Survey II 3 ASL 111 Elem. Am. Sign Lang I 3 ASL 112 Elem. Am. Sign Lang II 3 ASL 211 Interm Am. Sign Lang I 3 DRA 111 Theatre Appreciation 3 DRA 112 Literature of the Theatre 3 DRA 122 Oral Interpretation 3 *FRE 111 Elementary French I 3 *FRE 112 Elementary French II 3 FRE 211 Intermediate French I 3 FRE 212 Intermediate French II 3 GER 111 Elementary German I 3 GER 112 Elementary German II 3 MUS 110 Music Appreciation 3 MUS 112 Introduction to Jazz 3 MUS 113 American Music 3 *SPA 111 Elementary Spanish I 3 *SPA 112 Elementary Spanish II 3 SPA 211 Intermediate Spanish I 3 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 HUM 115 Critical Thinking 3 HUM 120 Cultural Studies 3 HUM 130 Myth in Human Culture 3 HUM 160 Introduction to Film 3 PHI 210 History of Philosophy 3 PHI 230 Introduction to Logic 3 PHI 240 Introduction to Ethics 3 REL 110 World Religions 3 REL 211 Intro to Old Testament 3 REL 212 Intro to New Testament 3</p> <p>Speech/Communications: 3 SHC of COM may be substituted for 3 SHC Fine Arts/Humanities.</p> <p>COM 110 Intro to Communications 3 COM 120 Intro to Interpersonal Com. 3 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 AND 4 BIO 112 General Biology II 4</p> <p style="text-align: center;">OR</p> <p>CHM 151 General Chemistry I 4 CHM 152 General Chemistry II 4</p> <p style="text-align: center;">OR</p> <p>PHY 151 College Physics I 4 PHY 152 College Physics II 4</p> <p>Mathematics: Required</p> <p>MAT 175 Pre-Calculus 4 *MAT 175A Local Co-requisite required *MAT 175A = 1 SHC elective credit</p> <p>Other Quantitative: 3 SHC Required</p> <p>**CIS 110 Intro to Computers 3 CIS 115 Intro to Prog & Logic 3 MAT 155 Statistical Analysis 3 MAT 271 Calculus I 3</p> <p><i>**PCC requires a computer class 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 BIO 112 General Biology II 4 BIO 120 Introduction to Botany 4 BIO 130 Introduction to Zoology 4 CHM 151 General Chemistry I 4 CHM 152 General Chemistry II 4 CHM 251 Organic Chemistry I 4 CHM 252 Organic Chemistry II 4 CIS 110 Introduction to Computers 3 CIS 115 Intro to Prog & Logic 3 GEL 120 Physical Geology 4 GEL 230 Environmental Geology 4 PHY 151 College Physics I 4 PHY 152 College Physics II 4 PHY 251 General Physics I 4 PHY 252 General Physics II 4 MAT 155 Statistical Analysis 3 MAT 271 Calculus I 4 MAT 272 Calculus II 4 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 HIS 112 World Civilization II 3 HIS 115 Intro to Global History 3 HIS 121 Western Civilization I 3 HIS 122 Western Civilization II 3 HIS 131 American History I 3 HIS 132 American History II 3</p> <p>Social and Behavioral Sciences: Select 6 SHC</p> <p>ANT 210 General Anthropology 3 ANT 220 Cultural Anthropology 3 ECO 251 Principles of Microeconomics 3 ECO 252 Principles of Macroeconomics 3 GEO 111 World Regional Geography 3 POL 120 American Government 3 PSY 150 General Psychology 3 PSY 241 Development Psychology 3 PSY 281 Abnormal Psychology 3 SOC 210 Introduction to Sociology 3 SOC 213 Sociology of the Family 3 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 ENG 075A Reading / Lang. Essentials 1 ENG 085 Reading/Writing Foundations 5 ENG 085A Reading/Writing Foundations 1 ENG 095 Reading/Comp Strategies 5 ENG 095A Reading/Comp Strategies 1</p> <p>RED 090 Improved College Reading 4 RED 111 Critical Reading for College 3</p> <p>*Mathematics:</p> <p>MAT 060 Essential Mathematics 4 MAT 070 Introductory Algebra 4 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: 58 + Electives: 7 SCH = Total for Graduation: 65 SHC

ACA 111: College Student Success (1 SCH) OR ACA 122: University Transfer College Student Success (1 SCH)
****ACA 111 or ACA 122 is required for graduation from PCC.****

***PCC policy states new students should enroll in ACA 111 or ACA 122 within the first 12 SHC at PCC (unless the course has been transferred from another college).**

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 6 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 175	Pre-calculus AND	4
ART 122	Design II	3	CHM 131	Intro to Chemistry AND	3	MAT 175A	Pre-calculus Lab	1
ART 131	Drawing I	3	CHM 131A	Intro to Chemistry Lab	1	MAT 263	Brief Calculus	3
ART 132	Drawing II	3	CHM 132	Organic & Biochemistry	4	MAT 272	Calculus II	4
ART 135	Figure Drawing I	3	CJC 111	Intro to Criminal Justice	3	MAT 273	Calculus III	4
ART 171	Computer Art I	3	CJC 121	Law Enforcement Oper.	3	MAT 280	Linear Algebra	3
ART 245	Metals I	3	CJC 141	Corrections	3	MAT 285	Differential Equations	3
ART 247	Jewelry I	3	COM 111	Voice and Diction I	3	MUS 131	Chorus I	1
ART 261	Photography I	3	CSC 134	C++ Programming	3	MUS 132	Chorus II	1
ART 264	Digital Photography I	3	CSC 139	Visual Basic Program.	3	MUS 137	Orchestra I	1
ART 265	Digital Photography II	3	CSC 151	JAVA Programming	3	MUS 138	Orchestra II	1
ART 275	Intro to Commercial Art	3	DRA 124	Readers Theatre	3	MUS 237	Orchestra III	1
ART 281	Sculpture I	3	DRA 130	Acting I	3	MUS 238	Orchestra IV	1
ASL 181	ASL Lab I	1	DRA 131	Acting II	3	PED 110	Fit and Well for Life	2
ASL 182	ASL Lab II	1	DRA 135	Acting for the Camera	3	PED	Any Physical Education	1
ASL 281	ASL Lab III	1	EDU 216	Intro to Education	4	PHY 110	Conceptual Physics AND	3
AST 111	Descriptive Astro AND	3	ENG 125	Creative Writing I	3	PHY 110A	Conceptual Physics Lab	1
AST 111A	Descriptive Astro Lab	1	ENG 126	Creative Writing II	3	POL 130	State & Local Gov.	3
BIO 110	Principles of Biology	4	ENG 253	The Bible as Literature	3	SPA 161	Cultural Immersion	3
BIO 120	Introductory Botany	4	ENG 273	African-American Lit.	3			
BIO 130	Introductory Zoology	4	FRE 161	Cultural Immersion	3			
BIO 140	Environ. Biology AND	3	GEL 120	Physical Geology	4			
BIO 140A	Environ. Biology Lab	1	HEA 110	Per. Health & Wellness	3			
BIO 155	Nutrition	3	HIS 145	The Second World War	3			
BIO 163	Basic Anat. & Physiology	5	HIS 162	Women and History	3			
BIO 168	Anatomy & Physiology I	4	HIS 221	African-American Hist.	3			
BIO 169	Anatomy & Physiology II	4	HUM 140	History of Architecture	3			
BIO 175	General Microbiology	3						