

Pitt Community College Associate in Engineering Degree (A10500)

Fall 2020 – Summer 2021

UNIVERSAL GENERAL EDUCATION (46 SHC)			
ACA 122	College Transfer Success	(1 SHC)	<input type="checkbox"/>
English Composition (6 SHC)			
<i>The following two English composition courses are required.</i>			
ENG 111	Writing and Inquiry	(3 SHC)	<input type="checkbox"/>
ENG 112	Writing/Research in the Disciplines	(3 SHC)	<input type="checkbox"/>
Humanities/Fine Arts and Communication (6 SHC)			
<i>Select one course from each category.</i>			
Humanities: Choose One:			
ENG 231	American Literature I	(3 SHC)	<input type="checkbox"/>
ENG 232	American Literature II	(3 SHC)	<input type="checkbox"/>
ENG 241	British Literature I	(3 SHC)	<input type="checkbox"/>
ENG 242	British Literature II	(3 SHC)	<input type="checkbox"/>
PHI 215	Philosophical Issues	(3 SHC)	<input type="checkbox"/>
PHI 240	Introduction to Ethics	(3 SHC)	<input type="checkbox"/>
Fine Arts and Communication: Choose one:			
COM 231	Public Speaking	(3 SHC)	<input type="checkbox"/>
ART 111	Art Appreciation	(3 SHC)	<input type="checkbox"/>
ART 114	Art History Survey I	(3 SHC)	<input type="checkbox"/>
ART 115	Art History Survey II	(3 SHC)	<input type="checkbox"/>
MUS 110	Music Appreciation	(3 SHC)	<input type="checkbox"/>
MUS 112	Introduction to Jazz	(3 SHC)	<input type="checkbox"/>
Social/Behavioral Sciences (6 SHC)			
<i>Required course:</i>			
ECO 251	Principles of Microeconomics	(3 SHC)	<input type="checkbox"/>
<i>Select one course:</i>			
HIS 111	World Civilizations I	(3 SHC)	<input type="checkbox"/>
HIS 112	World Civilizations II	(3 SHC)	<input type="checkbox"/>
HIS 131	American History I	(3 SHC)	<input type="checkbox"/>
HIS 132	American History II	(3 SHC)	<input type="checkbox"/>
POL 120	American Government	(3 SHC)	<input type="checkbox"/>
PSY 150	General Psychology	(3 SHC)	<input type="checkbox"/>
SOC 210	Introduction to Sociology	(3 SHC)	<input type="checkbox"/>
Mathematics (12 SHC)			
<i>The following three mathematics courses are required.</i>			
MAT 271	Calculus I	(4 SHC)	<input type="checkbox"/>
MAT 272	Calculus II	(4 SHC)	<input type="checkbox"/>
MAT 273	Calculus III	(4 SHC)	<input type="checkbox"/>
Natural Sciences (12 SHC)			
<i>The following three natural science courses are required.</i>			
CHM 151	General Chemistry I	(4 SHC)	<input type="checkbox"/>
PHY 251	General Physics I	(4 SHC)	<input type="checkbox"/>
PHY 252	General Physics II	(4 SHC)	<input type="checkbox"/>
Other General Education (4 SHC)			
<i>Choose one by intended major or engineering program.</i>			
BIO 111	General Biology I	(4 SHC)	<input type="checkbox"/>
CHM 152	General Chemistry II	(4 SHC)	<input type="checkbox"/>
GEL 111	Geology	(4 SHC)	<input type="checkbox"/>

Bold – ECU Suggested

OTHER REQUIRED HOURS (18 SHC)**Pre-major Elective***Required course:*

EGR 150

Introduction to Engineering

(2 SHC)

Other General Education and Pre-major Elective Hours**Select 11-12 SHC from the following:***Note only one course should be selected from the computer applications course list.***Computer Applications:****EGR 214**

Numerical Methods for Engineers

(3 SHC)

CSC 151

JAVA Programming **OR**

(3 SHC)

CSC 134

C++ Programing

(3 SHC)

Engineering Electives:**DFT 170**

Engineering Graphics

(3 SHC)

EGR 220

Engineering Statics

(3 SHC)

MAT 280

Linear Algebra

(3 SHC)

MAT 285

Differential Equations

(3 SHC)

Bold – ECU Suggested**Total Semester Hours Credit (SHC) in Program: 60***Students must meet the receiving university's foreign language and/or health & P.E. requirements.
These courses may be taken at either the community college or the receiving institution*