

BIOPROCESS CONCENTRATION
Associate in Engineering to Bachelor of Science in Engineering

FIRST YEAR CC

Fall Semester	CREDITS:	17	Spring semester	CREDITS:	17
ENG	111	3	ENG	112	3
MAT	271	4	MAT	272	4
CHM	151 #	4	PHY	251 #	4
EGR	150 ##	2	DFT	170 ##	3
ACA	122	1	ECO	251	3
ART	111 *	3			

SECOND YEAR CC

Fall Semester	CREDITS:	14	Spring Semester	CREDITS:	16
Humanities		3	His 131 or HIS 132 **		3
MAT	273 #	4	MAT	285 ###	3
PHY	252	4	CSC 134, 151 or EGR 214 #		3
MAT	280 ###	3	EGR	220	3

AS Complete via MAT 273, CHM151, and CSC XXX into "Additional General Education"

AE Complete

CC hours 60

SUMMER AT ECU CREDITS: 10

ENGR	2070	3
CHEM 1160, 1161 #		4
ENGR	2450 #	3

THIRD YEAR

Fall Semester	CREDITS:	15	Spring Semester	CREDITS:	14
ENGR	2000	1	ENGR	3000	2
CHEM	2750/53	4	ENGR	3034	4
ENGR	3024	3	MATH	3307	3
ENGR	2514	4	BIOE	3250	3
BIOE	3013	3	ENGR	3420	2

FOURTH YEAR

Fall Semester	CREDITS:	13	Spring Semester	CREDITS:	12
ENGR	4010	2	ENGR	4020	2
BIOE	4006	2	BIOE	4020	3
BIOE	4010	3	ENGR	3050	3
ENGR	3800	3	BIOL	1050/1051	4
HLTH	1000	2			
KINE	1000	1			

ECU hours 64

** ART 111 meets ECU Global Understanding and CC Fine Arts / Communications requirements*

*** HIS131 and HIS 132 meet ECU Domestic Understanding and CC Social/Behavioral Science requirements*

Critical Path class for ECU Third year

Critical Path, bundle EGR 150 and DFT 170 to receive credit for ENGR 1000 + 1012 + 1016

Critical Path MATH 2154 substitution bundle: MAT 280 & MAT 285 receive credit for MATH 3256 and MATH 4332.

Students must complete a minimum of 64 s.h. at the four year institution to graduate.

All guides are meant as an example of how a degree can be completed. However, individual plans will be developed for each student in consultation with the academic advisor. Course availability, prior credit, course prerequisites, major requirements, and student needs must be considered in developing the individual academic pathway.