

Associate in Engineering (A10500) – 60-61 Credit Hours

Fall – 1 st Year				
Course #	Course Name	Lec	Lab	Credit
ACA 122*	College Transfer Success	0	2	1
ENG 111*	Writing & Inquiry	3	0	3
MAT 271*	Calculus I**	3	2	4
CHM 151	General Chemistry I	3	3	4
COM 231	Public Speaking	3	0	3
Total				15

*Strongly encouraged during the first semester. Appropriate GPA, pre-requisite, or co-requisite courses apply.

Spring – 1 st Year				
Course #	Course Name	Lec	Lab	Credit
ENG 112	Writing/Research in the Disciplines	3	0	3
EGR 150	Intro to Engineering	1	2	2
MAT 272	Calculus II	3	2	4
PHY 251	General Physics I	3	3	4
ECO 251	Principles of Microeconomics	3	0	3
Total				16

Fall – 2 nd Year				
Course #	Course Name	Lec	Lab	Credit
HUM/FA ⁺	Choose from Humanities/Fine Arts list	3	0	3
EGR 220	Engineering Statics	3	0	3
PHY 252	General Physics II	3	3	4
MAT 273	Calculus III	3	2	4
Total				14

Spring – 2 nd Year				
Course #	Course Name	Lec	Lab	Credit
EGR ⁺	Choose from Gen Ed. List [#]	7	0	7
MAT 285	Differential Equations	2	2	3
S/B SCI ⁺	Choose from Social/Behavioral Sciences list	3	0	3
HUM 110	Technology and Society	3	0	3
Total				16

Notes

**Calculus I is the lowest math course that will be accepted by engineering programs. Students not calculus-ready will need additional math courses and should use summer to catch up.

#See reverse side.

*AE approved lists of general education, languages, humanities/fine arts, social/behavioral sciences, mathematics, natural sciences, engineering, and transfer electives may be found in the SPCC catalog online at www.spcc.edu.



Recommended Electives for Common Majors

BSE in Civil Engineering	BSE in Mechanical or System Engineering	BSE in Computer or Electrical Engineering	BSE in Mechatronics (UNC Asheville, NC State)*
Fall 2 nd year: EGR 220	Fall 2 nd year: EGR 220	Speak with your academic advisor	HIS 111 for S/B SCI
Spring 2 nd year: CHM 152 or BIO 111 and CSC 134	Spring 2 nd year: CHM 152 or BIO 111 and DFT 170		HIS 112 for S/B SCI
			ART 111 (in place of COM 231)
			Foreign language 111
			Foreign language 112

*9 credits beyond AE degree.

