

Pre-Engineering (AA)

Degree Type: Associate of Arts Degree—University Parallel Major

Division: Business, Education, Math, Science & Technology

Purpose: Transfer. The Associate of Arts degree, Pre-Engineering concentration, is designed for students who plan to transfer to a four-year college or university to major in ENGINEERING.

FIRST YEAR

Fall Semester			Hours	✓
ENGL	111 ⁽¹⁾	College Writing	3	
GOVT	121 ⁽¹⁾	National and State Government	3	
CHEM	121 ⁽¹⁾	General Chemistry I	5	
SCOM	110 ⁽¹⁾	Public Speaking		
SCOM	101 ⁽¹⁾	Human Communication	3	
BIOL	100 ⁽¹⁾	Survey of Biology	3	
HPER		P. E. Activity	1	
TOTAL HOURS			18	

Spring Semester			Hours	✓
ENGL	112 ⁽¹⁾	Advanced College Writing	3	
HIST	111 ⁽¹⁾	American History to 1877 -OR-		
HIST	112 ⁽¹⁾	American History since 1877	3	
		Humanities Gen Ed course	3	
MATH	171 ⁽¹⁾	Analytic Geometry and Calculus I	5	
HPER		P. E. Activity	1	
TOTAL HOURS			15	

SECOND YEAR

Fall Semester			Hours	✓
		Humanities Gen Ed course	3	
VALU		Valuing Gen Ed course	3	
MATH	271 ⁽¹⁾	Analytic Geometry and Calculus II	5	
PHYS	211 ⁽¹⁾	General Physics I	5	
TOTAL HOURS			16	

Spring Semester			Hours	✓
CPST	290	General Education Capstone	1	
		Humanities Gen Ed course	3	
MATH	272 ⁽¹⁾	Analytic Geometry and Calculus III	5	
PHYS	212 ⁽¹⁾	General Physics II	5	
ECON	211 ⁽¹⁾	Principles of Macroeconomics	3	
TOTAL HOURS			17	

Recommended University Parallel Courses

IST	100	Computer Literacy	3	
ENGR	110	Engineering Graphics	3	
CHEM	12 ⁽¹⁾	General Chemistry II	5	

⁽¹⁾ Course has prerequisite or placement requirements.

Students wishing to transfer to Missouri University of Science & Technology should consult "A Model Program for Transfer" available from the Director of Academic Advising. Students completing an AA degree, pre-engineering concentration, may transfer more than the number of hours required. However, students should confirm with receiving institution the transferability of additional hours.

Gen Ed Requirements are listed in shaded boxes above; please see individual course descriptions for prerequisites, corequisites, and/or other requirements.