



DEGREE SHEET / 2023-2024 CATALOG		
Student name:		
Eagle ID:		
Eagle Email:		
Phone:		
<p>ASSOCIATE OF ENGINEERING (AEng) PRE-ENGINEERING</p> <p>The curriculum for the Associate of Engineering Pre-engineering (AEng PreE) will prepare students for a bachelor's degree in engineering. Students will obtain a general background in mathematics and the physical sciences, and will be introduced to the concepts and methods of engineering. This program is not a professional degree and does not prepare students for specific job opportunities. It does, however, provide a broad educational background on which to build a career in engineering through additional education or work experience.</p>		
GENERAL EDUCATION REQUIREMENTS (31 Credits)	SEMESTER	GRADE
AREA I: COMMUNICATIONS (6 Credits)		
ENGL 1110 Composition I (3) <i>Pre-requisites: ENG 109 or adequate score on the Course Placement Evaluation</i>		
ENGL 1210 Technical Communications (3) <i>Pre-requisite: ENGL 1110</i>		
AREA II: MATHEMATICS (3 Credits)		
ENGR 1121L Introduction to Math for Engineering Applications I (3) <i>Pre-Requisite: College Algebra, Math 1220</i>		
AREA III: LABORATORY SCIENCES (4 Credits) <i>You must select one science course with a lab</i>		
ENGR 1101/L Computer Science for All (4)		
AREA IV: SOCIAL/BEHAVIORAL SCIENCES (3 Credits) <i>Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation You must select one Area IV course.</i>		
Area IV Course (3)		
AREA V: HUMANITIES (3 Credits) <i>Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation You must select one Area V course.</i>		
Area V Course (3)		
AREA VI: FINE ARTS (3 Credits) <i>You must select one Area VI course</i>		

Area VI Course (3)		
ADDITIONAL NINE CREDIT HOURS (9 Credits)		
COMM 1130 Public Speaking (3) <i>Pre-requisite: ENG 109</i>		
Choose one of the following Civics Courses (3)		
POLS 1100 Introduction to Political Science (3) POLS 1120 American National Government (3) CJUS 1110 Introduction to Criminal Justice (3) HIST 1110 United States History I (3) HIST 1120 United States History II (3)		
Choose one of the following STEMH recommended Courses (3)		
ENVS 2130 Critical Thinking in Science (3) PSYC 2120 Developmental Psychology (3)		
SUPPORT COURSES (12 Credits)		
ENGR 1122L Introduction to Math for Engineering Applications II (3) <i>Pre-requisite: ENGR 1121L</i>		
ENGR 2215 Physics for Engineers I (3) <i>Recommended Co-requisites: ENGR 1121L</i>		
ENGR 2216L Physics for Engineers II (3) <i>Prerequisite: ENGR 2215</i>		
ENGR 2217L Physics for Engineers III (3) <i>Recommended Co-requisite: ENGR 1122L</i>		
PROGRAM REQUIREMENTS (17 Credits)		
ENGR 1110L Introduction to Engineering (3) <i>Pre-requisite: None</i>		
CAD 1100 Engineering Drawing and Computer Aided Design Fundamentals (3) <i>Pre-requisite: None</i>		
MET 2201 Applied Mechanics I (3) <i>Pre-requisite: ENGR 2215</i>		
EET 2200/L Electrical Systems I with Lab (3) <i>Pre-requisite: ENGR 2217L</i>		
Lower/Upper Division Engineering or Technical or Math Elective (5) Recommended courses: Solar Energy I, II; Python I, II, III, IV; CAD 2200		
Elective (3)		
Elective (2)		
TOTAL CREDITS 60		
ADVISOR APPROVAL	DATE	

SUGGESTED SEQUENCE OF COURSES

FIRST SEMESTER (15 Credits)

Elective AREA VI, Fine Arts (3)
ENGR 1110L Introduction to Engineering (3)
ENGR 1121L Introductory Math for Engineering Applications I (3)
ENGR 2215 Physics for Engineers I (3)
CAD 1100 Engineering Drawing and Computer Aided Design Fundamentals (3)

SECOND SEMESTER (15 Credits)

ENGL 1110 Composition I (3)
ENGR 1122L Introductory Math for Engineering Applications II (3)
ENGR 2216L Physics for Engineers II (3)
ENGR 2217L Physics for Engineers III (3)
MET 2201 Applied Mechanics I (3)

THIRD SEMESTER (16 Credits)

Elective AREA IV, Social/Behavioral Sciences (3)
ENGL 1210 Technical Communications (3)
Elective AREA III, Laboratory Sciences (4)
EET 2200L Electrical Systems I (3)
Elective Lower/Upper Division Engineering or Technical or Math Elective (3)

FOURTH SEMESTER (14 Credits)

COMM 1130 Public Speaking (3)
Elective Additional 9 Credit Hours (3)
Elective Lower/Upper Division Engineering or Technical or Math Elective (2)
Elective AREA V, Humanities (3)
Elective Additional 9 Credit Hours (3)

EDUCATIONAL PLANNING FORM (Semester)

FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units
FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units
FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units
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Total Units	Total Units	Total Units