

Pre-Engineering (AS)

Degree Type

Associate of Science

The Associate of Science degree in Pre-Engineering is designed for students who wish to pursue a bachelor's degree in an engineering field at a four-year college or university. UACCB's A.S. degree in Pre-Engineering consists of 35 credit hours of general education requirements and 25 credit hours of college-level courses to complete the degree.

Core Requirements in General Education

English/Communications

Item #	Title	Credits
ENG 1103	ENGLISH COMPOSITION I	3
ENG 1203	ENGLISH COMPOSITION II	3
SPC 1003	ORAL COMMUNICATION	3

Mathematics

MTH-1023 or any higher level math course

Item #	Title	Credits
MTH 1023	COLLEGE ALGEBRA	3

Life/Physical Science

Item #	Title	Credits
BIO 1103	BIOLOGY FOR MAJORS	3
BIO 1101	BIOLOGY FOR MAJORS LAB	1
CHM 1103	COLLEGE CHEMISTRY I	3
CHM 1101	COLLEGE CHEMISTRY I LABORATORY	1

Fine Arts/Humanities

Three (3) hours required from the following:

Item #	Title	Credits
FAM 2003	MUSIC	3
FAT 2013	THEATER	3
FAV 2023	VISUAL ART	3

Three (3) hours required from the following:

Item #	Title	Credits
ENG 2113	WORLD LITERATURE I	3
ENG 2213	WORLD LITERATURE II	3
PHI 1003	INTRODUCTION TO PHILOSOPHY	3

Social Sciences

Three (3) hours required from the following:

Item #	Title	Credits
HIS 1013	WORLD CIVILIZATION I	3
HIS 1023	WORLD CIVILIZATION II	3

Three (3) hours required from the following:

Item #	Title	Credits
HIS 2003	UNITED STATES HISTORY I	3
HIS 2013	UNITED STATES HISTORY II	3
POS 2103	UNITED STATES GOVERNMENT	3

Three (3) hours required from the following:

Item #	Title	Credits
ECN 2013	MACROECONOMICS	3

Major Electives

Courses (MTH 2004 MTH 2014 MTH-2024) are available through either UACCB or the online STEM-Prep program offered by the University of Arkansas – Fayetteville.

Course (**MTH 2033 Introduction to Engineering**) is only available through the online STEM-Prep program offered by the University of Arkansas - Fayetteville.

Item #	Title	Credits
MTH 2004	CALCULUS I, CALCULUS AND ANALYTIC GEOMETRY	4
MTH 2014	CALCULUS II, CALCULUS AND ANALYTIC GEOMETRY	4
MTH 2033	INTRODUCTION TO ENGINEERING	3

Electives

To complete the elective component of the degree, students may select from the following list any 14 hours of college-level credit not previously selected for general education requirements above. Students should be aware of degree requirements at institutions to which they may transfer and should take a relevant selection of courses to be chosen with the approval of their advisor.

Item #	Title	Credits
BIO 2203	MICROBIOLOGY	3
BIO 2201	MICROBIOLOGY LABORATORY	1
CHM 1123	COLLEGE CHEMISTRY II	3
CHM 1121	COLLEGE CHEMISTRY II LABORATORY	1
GEL 1003	PHYSICAL GEOLOGY	3
GEL 1001	PHYSICAL GEOLOGY LAB	1
MTH 1013	TRIGONOMETRY	3
MTH 2024	CALCULUS III, CALCULUS AND ANALYTIC GEOMETRY	4
MTH 2053	STATISTICS	3

Students should work with their advisor to select courses most relevant to their plan for transfer.

Course (MTH-2024 Calculus III) is available through either UACCB or the online STEM-Prep program offered by the University of Arkansas – Fayetteville

Total Credits	60
----------------------	-----------