

STEM (AS)

Degree Type

Associate of Science

The Associate of Science degree in STEM is designed for students who wish to pursue a bachelor's degree in a science or mathematics field at a four-year college or university. UACCB's A.S. degree in STEM consists of 35 credit hours of general education requirements and 25 credit hours of college-level science and mathematics courses to complete the degree. Note: STEM is an acronym for Science, Technology, Engineering, and Mathematics – this degree program focuses on the fields of Science and Mathematics.

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

Or any higher level math course.

Item #	Title	Credits
MTH 1023	COLLEGE ALGEBRA	3

Life/Physical Science

Eight (8) Hours required from the following:

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
CHM 1123	COLLEGE CHEMISTRY II	3
CHM 1121	COLLEGE CHEMISTRY II LABORATORY	1
PHS 2014	PHYSICS FOR HEALTH SCIENCES	4

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:

HIS 1013, HIS 2023, HIS 2003, HIS 2013, POS 2103 *If not selected to meet another requirement.

Item #	Title	Credits
ECN 2013	MACROECONOMICS	3
ECN 2023	MICROECONOMICS	3
HIS 1013	WORLD CIVILIZATION I	3
HIS 1023	WORLD CIVILIZATION II	3
HIS 2003	UNITED STATES HISTORY I	3
HIS 2013	UNITED STATES HISTORY II	3
POS 2103	UNITED STATES GOVERNMENT	3
PSY 1003	GENERAL PSYCHOLOGY	3
PSY 2013	DEVELOPMENTAL PSYCHOLOGY	3
PSY 2023	ABNORMAL PSYCHOLOGY	3
SOC 2003	PRINCIPLES OF SOCIOLOGY	3
SOC 2013	SOCIAL PROBLEMS	3
SOC 2023	CULTURAL ANTHROPOLOGY	3

Electives

To complete the elective component of the degree, students may select from the following list any 25 hours of college-level credit not previously selected for general education requirements. 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.

Life and Physical Sciences

Item #	Title	Credits
BIO 1103	BIOLOGY FOR MAJORS	3
BIO 1101	BIOLOGY FOR MAJORS LAB	1
BIO 1113	GENERAL BOTANY	3
BIO 1111	GENERAL BOTANY LAB	1
BIO 1123	PRINCIPLES OF ZOOLOGY	3
BIO 1121	PRINCIPLES OF ZOOLOGY LABORATORY	1
BIO 2003	ANATOMY AND PHYSIOLOGY I	3
BIO 2001	ANATOMY AND PHYSIOLOGY I LAB	1
BIO 2013	ANATOMY AND PHYSIOLOGY II	3
BIO 2011	ANATOMY AND PHYSIOLOGY II LAB	1
BIO 2203	MICROBIOLOGY	3
BIO 2201	MICROBIOLOGY LABORATORY	1
BIO 2301	FIELD TECHNIQUES IN SCIENCE	1
CHM 1103	COLLEGE CHEMISTRY I	3
CHM 1101	COLLEGE CHEMISTRY I 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

Mathematics

Item #	Title	Credits
MTH 1013	TRIGONOMETRY	3
MTH 2003	SURVEY OF CALCULUS / BUSINESS CALCULUS	3
MTH 2004	CALCULUS I, CALCULUS AND ANALYTIC GEOMETRY	4
MTH 2014	CALCULUS II, CALCULUS AND ANALYTIC GEOMETRY	4
MTH 2024	CALCULUS III, CALCULUS AND ANALYTIC GEOMETRY	4
MTH 2053	STATISTICS	3

Health Sciences

PHI 1003, SOC 2003, SOC 2023 *If not selected to meet another requirement.

ACC 1013 **Required for most Pharmacy programs.

Item #	Title	Credits
ACC 1013	PRINCIPLES OF ACCOUNTING I	3
NAH 2003	NUTRITION	3
NAH 2013	HEALTH ASSESSMENT	3
OFA 1053	MEDICAL TERMINOLOGY	3
PHI 1003	INTRODUCTION TO PHILOSOPHY	3
PSY 1003	GENERAL PSYCHOLOGY	3
PSY 2013	DEVELOPMENTAL PSYCHOLOGY	3
PSY 2023	ABNORMAL PSYCHOLOGY	3
SOC 2003	PRINCIPLES OF SOCIOLOGY	3
SOC 2023	CULTURAL ANTHROPOLOGY	3
Total Credits		60