General Education and Transfer

General Education Degrees and Certificates	Required Credit Hours
Certificate of General Studies	35
Associate of Arts General Education	60

Teaching Degrees and Certificates	Required Credit Hours
Certificate of Proficiency Teaching	9
Technical Certificate Teaching	31
Associate of Arts Teaching	60

Pre-Engineering Degrees and Certificates	Required Credit Hours
Associate of Science Pre-Engineering	60

STEM Degrees and Certificates	Required Credit Hours
Associate of Science STEM	60

Certificate of General Studies

Program Learning Outcomes

- Improve communication skills, which include listening, speaking, writing, and reading.
- Increase proficiency with computation skills including understanding and applying mathematical concepts and reasoning as well as analyzing and using numerical data.
- Develop technological and information management skills, including the collection, analysis and organization of material from varied sources.

Program Requirements

Course Name	Course Number	Credit Hours
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Oral Communication	SPCH 10003	3

Fine Arts and Humanities Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Introduction to Studio Art	ARTS 10103	3
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3
Introduction to Fiction	ENGL 23194	4
Music	MUSC 10003	3
Introduction to Philosophy	PHIL 11003	3
Theater	THTR 10003	3

Computer Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Computer Software Applications	BUSI 10563	3
Digital Literacy	BUSI 10663	3
Introduction to Computers	CPSI 10003	3
Introduction to Computer Science	CPSI 10103	3

Life Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Essentials of Anatomy and Physiology Lab	BIOL 10151	1
Essentials of Anatomy and Physiology	BIOL 10253	3
Biology for General Education Lab	BIOL 10031	1
Biology for General Education	BIOL 10043	3
Biology for Majors Lab	BIOL 10101	1
Biology for Majors	BIOL 10103	3
Principles of Zoology Lab	BIOL 10501	1
Principles of Zoology	BIOL 10503	3
Anatomy and Physiology I Lab	BIOL 24001	1
Anatomy and Physiology I	BIOL 24003	3
Anatomy and Physiology II Lab	BIOL 24101	1
Anatomy and Physiology II	BIOL 24103	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Physical Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Concepts of Chemistry Lab	CHEM 12131	1
Concepts of Chemistry	CHEM 12143	3
College Chemistry I Lab	CHEM 14101	1
College Chemistry I	CHEM 14103	3
Physical Geology Lab	GEOL 11101	1
Physical Geology	GEOL 11103	3
Physical Science Lab	PHSC 10031	1
Physical Science	PHSC 10043	3
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
General Psychology	PSYC 11003	3
Principles of Sociology	SOCI 10103	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3

Total Credit Hours for Credential Completion: 35

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	English Composition I Math Requirement Life Sciences Lecture Requirement Life Sciences Lab Requirement Computer Sciences Requirement	ENGL 10103	13
Spring	English Composition II Oral Communication Physical Sciences Lecture Requirement Physical Sciences Lab Requirement Social Sciences Requirement 1 Fine Arts Requirement	ENGL 10203 SPCH 10003	16
Summer	Social Sciences Requirement 2 Social Sciences Requirement 3		6

Associate of Arts General Education

Program Learning Objectives

- Improve communication skills, which include listening, speaking, writing, and reading.
- Increase proficiency with computation skills including understanding and applying mathematical concepts and reasoning as well as analyzing and using numerical data.
- Increase proficiency in critical thinking and problem-solving skills such as creative thinking, analysis, synthesis, evaluation, and decision making.
- Develop technological and information management skills, including the collection, analysis and organization of material from varied sources.
- Develop professional work habits, ethics, and interpersonal skills.

Program Requirements

Course Name	Course Number	Credit Hours
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Oral Communication	SPCH 10003	3
Foundations of Personal Finance	UNIV 10071	1
Strategies for College Success	UNIV 10173	3

Fine Arts and Humanities Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3
Theater	THTR 10003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3
Introduction to Philosophy	PHIL 11003	3

Students must select 3 additional credit hours from either of the Fine Arts and Humanities elective groups to meet this requirement with a total of 9 credit hours:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3
Music	MUSC 10003	3
Theater	THTR 10003	3
Introduction to Philosophy	PHIL 11003	3

Life Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Essentials of Anatomy and Physiology Lab	BIOL 10151	1
Essentials of Anatomy and Physiology	BIOL 10253	3
Biology for General Education Lab	BIOL 10031	1
Biology for General Education	BIOL 10043	3
Biology for Majors Lab	BIOL 10101	1
Biology for Majors	BIOL 10103	3
Principles of Zoology Lab	BIOL 10501	1
Principles of Zoology	BIOL 10503	3
Anatomy and Physiology I Lab	BIOL 24001	1
Anatomy and Physiology I	BIOL 24003	3
Anatomy and Physiology II Lab	BIOL 24101	1
Anatomy and Physiology II	BIOL 24103	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Physical Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Concepts of Chemistry Lab	CHEM 12131	1
Concepts of Chemistry	CHEM 12143	3
College Chemistry I Lab	CHEM 14101	1
College Chemistry I	CHEM 14103	3

Course Name	Course Number	Credit Hours
Physical Geology Lab	GEOL 11101	1
Physical Geology	GEOL 11103	3
Physical Science Lab	PHSC 10031	1
Physical Science	PHSC 10043	3
Physics for Health Sciences	PHYS 20104	4
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3

9 credit hours from the following required:

Course Name	Course Number	Credit Hours
Cultural Anthropology	ANTH 20103	3
Macroeconomics	ECON 21003	3
Microeconomics	ECON 22003	3
Introduction to Cultural Geography	GEOG 12203	3
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3
United States History I	HIST 21103	3
United States History II	HIST 21203	3
General Psychology	PSYC 11003	3
Abnormal Psychology	PSYC 20133	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3

Course Name	Course Number	Credit Hours
Social Problems	SOCI 20103	3

Program Elective Requirements

Students are allowed to choose "any" college-level course not already used towards this degree. Specific Program Courses are Excluded (RN, PN, Paramedic, Surgical Tech, Cosmetology).

Higher level courses not listed above but offered by UACCB may also apply toward the elective requirement. Electives are selected with the guidance and approval of the student's navigator or advisor.

Some institutions may accept or deny courses listed above. For specific information regarding the transfer of coursework, students should contact the institution to which they intend to transfer.

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
1st Fall/Spring	Directed Elective* English Composition I College Algebra Strategies for College Success Foundations of Personal Finance	 ENGL 10103 MATH 11003 UNIV 10071 UNIV 10173	13
1st Spring/Fall	English Composition II Oral Communication Physical Sciences Lecture Requirement Physical Sciences Lab Requirement Social Sciences Requirement 1 Fine Arts Requirement	ENGL 10203 SPCH 10003	16
2nd Fall/Spring	Social Sciences Requirement 2 Social Sciences Requirement 3 Humanities Requirement 1 Humanities Requirement 2 Life Sciences Lecture Requirement Life Sciences Lab Requirement		16
2nd Spring/Fall	Social Sciences Requirement 4 Social Sciences Requirement 5 Elective Elective Elective		15

*Eligible for the Certificate of General Studies if completing Digital Literacy, Computer Software Applications, or Introduction to Computers as a Program Elective Requirement in term 1.

Certificate of Proficiency Teaching

Program Learning Outcomes

- Demonstrate knowledge of child development theories and their application to diverse learners in educational settings.
- Design and implement engaging lesson plans that align with state curriculum standards and accommodate diverse learning needs.
- Integrate technology into the classroom to enhance teaching and learning experience.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Education	EDHP 20093	3
Introduction to K-12 Educational Technology	EDHP 21063	3

Program Electives

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Child Growth and Development	ECED 11003	3
General Psychology	PSYC 11003	3

Total Credit Hours Required for Credential Completion: 9

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Introduction to Education Elective	ECED 11003	6
Spring	Introduction to K-12 Educational Technology	EDHP 21063	3

Technical Certificate Teaching

Program Learning Objectives

- Demonstrate knowledge of child development theories and their application to diverse learners in educational settings.
- Design and implement engaging lesson plans that align with state curriculum standards and accommodate diverse learning needs.
- Integrate technology into the classroom to enhance teaching and learning experience.
- Demonstrate a thorough understanding of real numbers, mathematical systems, elementary algebra, probability and statistics, and geometry with applications.
- Develop professional communication skills to effectively collaborate with internal and external stakeholders.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Education	EDHP 20093	3
Introduction to K-12 Educational Technology	EDHP 21063	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Math I (Fall Only)	MATH 21043	3
Math II	MATH 21143	3
Oral Communication	SPCH 10003	3

Life Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Biology for General Education Lab	BIOL 10031	1
Biology for General Education	BIOL 10043	3
Biology for Majors Lab	BIOL 10031	1
Biology for Majors	BIOL 10101	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Program Electives

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Child Growth and Development	ECED 11003	3
Developmental Psychology	PSYC 21003	3

Total Credit Hours Required for Credential Completion: 31

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Introduction to Education English Composition I Math Requirement Oral Communication	EDHP 20093 ENGL 10103 SPCH 10003	12
1st Spring	Child Growth and Development English Composition II Math II Life Sciences Lecture Requirement Life Sciences Lab Requirement	ECED 11003 ENGL 10203 MATH 21143	13
2nd Fall	Introduction to K-12 Educational Tech. Math I	EDHP 21063 MATH 21043	6

Associate of Arts Teaching

Program Learning Outcomes

- Demonstrate knowledge of child development theories and their application to diverse learners in educational settings.
- Design and implement engaging lesson plans that align with state curriculum standards and accommodate diverse learning needs.
- Integrate technology into the classroom to enhance teaching and learning experience.
- Demonstrate a thorough understanding of real numbers, mathematical systems, elementary algebra, probability and statistics, and geometry with applications.
- Develop professional communication skills to effectively collaborate with internal and external stakeholders.
- Demonstrate an understanding of the historical development of Arkansas and analyze the interconnections between Arkansas's development and the current worldview.

Program Requirements

Course Name	Course Number	Credit Hours
Child Growth and Development	ECED 11003	3
Introduction to Education	EDHP 20093	3
Introduction to K-12 Educational Technology	EDHP 21063	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Arkansas History	HIST 25503	3
Math I (Fall Only)	MATH 21043	3
Math II (Spring Only)	MATH 21143	3
United States Government	PLSC 20003	3
Oral Communication	SPCH 10003	3
Foundations of Personal Finance	UNIV 10071	1
Strategies for College Success	UNIV 10173	3

Fine Arts and Humanities Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3

Course Name	Course Number	Credit Hours
Theater	THTR 10003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3

Life Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Biology for General Education Lab	BIOL 10031	1
Biology for General Education	BIOL 10043	3
Biology for Majors Lab	BIOL 10101	1
Biology for Majors	BIOL 10103	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Physical Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Chemistry I Lab	CHEM 14101	1
College Chemistry I	CHEM 14103	3
Physical Geology Lab	GEOL 11101	1
Physical Geology	GEOL 11103	3
Physical Science Lab	PHSC 10031	1
Physical Science	PHSC 10043	3
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
General Psychology	PSYC 11003	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3

Optional Elective

Course Name	Course Number	Credit Hours
Art for Elementary Teachers	EDHP 10092	2
Elementary Classroom Music	EDHP 10192	2
Engaging All Learners	EDHP 20193	3
Liberal Arts in Elementary	EDHP 20293	3
Teaching Physical Education	EDHP 20393	3
Children's Literature in Elementary	EDHP 20493	3

Total Credit Hours Required for Credential Completion: 60-63

Suggested Course Sequence – Associate of Arts Teaching

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Introduction to Education English Composition I United States Government General Psychology (Directed Elective) Strategies for College Success	EDHP 20093 ENGL 10103 PLSC 20003 PSYC 11003 UNIV 10173	15
1st Spring	Child Growth and Development Introduction to K-12 Education Tech. English Composition II Math Requirement Physical Sciences Lecture Requirement Physical Sciences Lab Requirement	ECED 11003 EDHP 21063 ENGL 10203	16
2nd Fall	Math I Oral Communication Life Sciences Lecture Requirement Life Sciences Lab Requirement World Civilization Requirement World Literature Requirement	MATH 21043 SPCH 10003	16
2nd Spring	Optional Elective: Engaging all Learners* Arkansas History Math II Foundations of Personal Finance Fine Arts Requirement U.S. History Requirement	EDHP 20193 HIST 25503 MATH 21143 UNIV 10071	13-16

* Students are not required to complete this course to fulfill degree requirements but may elect to complete the additional elective.

Associate of Science Pre-Engineering

Program Learning Outcomes

- Demonstrate a solid understanding of fundamental principles in mathematics, including calculus.
- Demonstrate an understanding of the engineering design process.
- Acquire and apply technical skills relevant to their specific field of interest.
- Effectively communicate information in both written and oral forms.

Program Requirements

Course Name	Course Number	Credit Hours
Biology for Majors Lab	BIOL 10101	1
Biology for Majors	BIOL 10103	3
College Chemistry I Lab	CHEM 14101	1
College Chemistry I	CHEM 14103	3
Macroeconomics	ECON 21003	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Introduction to Engineering	GNEG 11003	3
College Algebra	MATH 11003	3
Calculus I	MATH 24004	4
Calculus II	MATH 25004	4
Oral Communication	SPCH 10003	3

Fine Arts and Humanities

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3
Theater	THTR 10003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3
Introduction to Philosophy	PHIL 11003	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3

Program Electives

14 credit hours from the following required:

Course Name	Course Number	Credit Hours
Microbiology Lab **Microbiology**	BIOL 20001 BIOL 20003	1 3
Concepts of Chemistry Lab **Concepts of Chemistry**	CHEM 12131 CHEM 12143	1 3
College Chemistry II Lab **College Chemistry II**	CHEM 14201 CHEM 14203	1 3
Physical Geology Lab **Physical Geology**	GEOL 11101 GEOL 11103	1 3
Trigonometry*	MATH 12003	3
Statistics	MATH 21003	3
Calculus III	MATH 26004	4
University Physics I Lab **University Physics I**	PHYS 20301 PHYS 20303	1 3
University Physics II Lab **University Physics II**	PHYS 20401 PHYS 20403	1 3

*Must be completed prior to taking Calculus I (MATH 24004)

Requirements for Credential Completion

Introduction to Engineering (GNEG 11003) is not currently offered at UACCB. This course is required and must be completed with a grade of C or higher through another institution and transferred to UACCB for program completion.

Program Notes

Before transferring to the University of Arkansas Fayetteville (UAF), students should work with their navigator or advisor to plan to take University Physics. University Physics is not a requirement of the Associate of Science Pre-Engineering program at UACCB but is required prior to entry into the School of Engineering at UAF.

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Science Pre-Engineering Biology Concentration

Term	Course Name	Course Number	Credit Hours
1st Fall	Biology for Majors Lab Biology for Majors English Composition I College Algebra Oral Communication	BIOL 10101 BIOL 10103 ENGL 10103 MATH 11003 SPCH 10003	13
1st Spring	Microbiology Lab Microbiology English Composition II Introduction to Engineering Trigonometry Social Sciences Requirement	BIOL 20001 BIOL 20003 ENGL 10203 GNEG 11003 MATH 12003	16
2nd Fall	College Chemistry I Lab College Chemistry I Macroeconomics Calculus I Program Elective Social Sciences Requirement	CHEM 14101 CHEM 14103 ECON 21003 MATH 24004	17
2nd Spring	College Chemistry II Lab College Chemistry II Calculus II Fine Arts Requirement Humanities Requirement	CHEM 14201 CHEM 14203 MATH 25004	14
2nd Summer	Calculus III *Optional elective not required for program completion.*	MATH 26004	4

Suggested Course Sequence – Associate of Science Pre-Engineering - Non-Biology Concentration

Term	Course Name	Course Number	Credit Hours
1st Fall	English Composition I College Algebra Oral Communication Fine Arts Requirement Social Sciences Requirement	ENGL 10103 MATH 11003 SPCH 10003	15
1st Spring	Biology for Majors Lab Biology for Majors English Composition II Introduction to Engineering Trigonometry Program Elective	BIOL 10101 BIOL 10103 ENGL 10203 GNEG 11003 MATH 12003	16
2nd Fall	College Chemistry I Lab College Chemistry I Macroeconomics Calculus I University Physics I Lab University Physics I	CHEM 14101 CHEM 14103 ECON 21003 MATH 24004 PHYS 20301 PHYS 20303	15
2nd Spring	Calculus II University Physics II Lab University Physics II Humanities Requirement Social Sciences Requirement	MATH 25004 PHYS 20401 PHYS 20403	14
2nd Summer	Calculus III *Optional elective not required for program completion.*	MATH 26004	4

Associate of Science STEM

Program Learning Outcomes

- Demonstrate a strong understanding of core scientific and mathematical principles.
- Acquire and apply technical skills relevant to the specific STEM field.
- Recognize and adhere to professional standards and practices in STEM fields.
- Effectively communicate information in both written and oral forms.

Program Requirements

Course Name	Course Number	Credit Hours
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
College Algebra	MATH 11003	3
Oral Communication	SPCH 10003	3

Fine Arts and Humanities Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3
Theater	THTR 10003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3
Introduction to Philosophy	PHIL 11003	3

Science Requirement

8 credit hours from the following required:

Course Name	Course Number	Credit Hours
Biology for Majors Lab **Biology for Majors**	BIOL 10101 BIOL 10103	1 3
College Chemistry I Lab **College Chemistry I**	CHEM 14101 CHEM 14103	1 3
College Chemistry II Lab **College Chemistry II**	CHEM 14201 CHEM 14203	1 3

Course Name	Course Number	Credit Hours
Physics for Health Sciences	PHYS 20104	4
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3
University Physics II Lab	PHYS 20401	1
University Physics II	PHYS 20403	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Cultural Anthropology	ANTH 20103	3
Macroeconomics	ECON 21003	3
Microeconomics	ECON 22003	3
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3
General Psychology	PSYC 11003	3
Abnormal Psychology	PSYC 20133	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3
Social Problems	SOCI 20103	3

Program Elective Requirement

25 credit hours required form the following:

Course Name	Course Number	Credit Hours
Principles of Accounting I	ACCT 10003	3
Medical Terminology	ALHE 10503	3
Nutrition	ALHE 20033	3
Health Assessment	ALHE 20103	3
Cultural Anthropology	ANTH 20103	3
Biology for Majors Lab **Biology for Majors**	BIOL 10101 BIOL 10103	1 3
General Botany Lab **General Botany**	BIOL 10301 BIOL 10303	1 3
Principles of Zoology Lab **Principles of Zoology**	BIOL 10501 BIOL 10503	1 3
Pathophysiology for Health Care	BIOL 21053	3
Anatomy and Physiology I Lab **Anatomy and Physiology I**	BIOL 24001 BIOL 24003	1 3
Anatomy and Physiology II Lab **Anatomy and Physiology II**	BIOL 24101 BIOL 24103	1 3
Microbiology Lab **Microbiology**	BIOL 20001 BIOL 20003	1 3
System Security	CESC 21003	3
Introduction to Cybersecurity	CESC 22363	3
Network Security	CESC 22433	3
College Chemistry I Lab **College Chemistry I**	CHEM 14101 CHEM 14103	1 3
College Chemistry II Lab **College Chemistry II**	CHEM 14201 CHEM 14203	1 3
Introduction to Computer Science	CPSI 10103	3
Fundamentals of Programming	CPSI 21563	3
Computer Ethics	CPSI 22063	3
Access Control	CPSI 23263	3
Introduction to Data Science	DASC 10003	3
Physical Geology Lab **Physical Geology**	GEOL 11101 GEOL 11103	1 3

Course Name	Course Number	Credit Hours
Introduction to Engineering	GNEG 11003	3
Trigonometry	MATH 12003	3
Statistics	MATH 21003	3
Survey of Calculus/Business Calculus	MATH 22003	3
Discrete Mathematics	MATH 23103	3
Calculus I	MATH 24004	4
Calculus II	MATH 25004	4
Calculus III	MATH 26004	4
Introduction to Philosophy	PHIL 11003	3
Physical Science Lab **Physical Science**	PHSC 10031 PHSC 10043	1 3
University Physics I Lab **University Physics I**	PHYS 20301 PHYS 20303	3 1
General Psychology	PSYC 11003	3
Abnormal Psychology	PSYC 20133	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Science STEM Biology Concentration

Term	Course Name	Course Number	Credit Hours
1st Fall	Biology for Majors Lab Biology for Majors English Composition I College Algebra Oral Communication	BIOL 10101 BIOL 10103 ENGL 10103 MATH 11003 SPCH 10003	13
1st Spring	Microbiology Lab Microbiology English Composition II Trigonometry Fine Arts Requirement Social Sciences Requirement	BIOL 20001 BIOL 20003 ENGL 10203 MATH 12003	16
2nd Fall	Anatomy and Physiology I Lab Anatomy and Physiology College Chemistry I Lab College Chemistry I Calculus I Social Sciences Requirement	BIOL 24001 BIOL 24003 CHEM 14101 CHEM 14103 MATH 24004	15
2nd Spring	Calculus II Humanities Requirement Program Elective Program Elective Social Sciences Requirement	MATH 25004	16
2nd Summer	Calculus III *Optional elective not required for Biology concentration completion.*	MATH 26004	4

Suggested Course Sequence – Associate of Science STEM Chemistry Concentration

Term	Course Name	Course Number	Credit Hours
1st Fall	Biology for Majors Lab Biology for Majors English Composition I College Algebra Oral Communication	BIOL 10101 BIOL 10103 ENGL 10103 MATH 11003 SPCH 10003	13
1st Spring	English Composition II Trigonometry Fine Arts Requirement Program Elective Social Sciences Requirement	ENGL 10203 MATH 12003	15
2nd Fall	College Chemistry I Lab College Chemistry I Calculus I Physical Science Lab Physical Science Social Sciences Requirement	CHEM 14101 CHEM 14103 MATH 24004 PHSC 10031 PHSC 10043	15
2nd Spring	College Chemistry II Lab College Chemistry II Calculus II Humanities Requirement Program Elective Social Sciences Requirement	CHEM 14201 CHEM 14203 MATH 25004	17
2nd Summer	Calculus III *Optional elective not required for Chemistry concentration completion.*	MATH 26004	4

Suggested Course Sequence – Associate of Science STEM Mathematics Concentration

Term	Course Name	Course Number	Credit Hours
1st Fall	Biology for Majors Lab Biology for Majors English Composition I College Algebra Oral Communication	BIOL 10101 BIOL 10103 ENGL 10103 MATH 11003 SPCH 10003	13
1st Spring	English Composition II Trigonometry Statistics Fine Arts Requirement Social Sciences Requirement	ENGL 10203 MATH 12003 MATH 21003	15
2nd Fall	College Chemistry I Lab College Chemistry I Calculus I Physical Science Lab Physical Science Social Sciences Requirement	CHEM 14101 CHEM 14103 MATH 24004 PHSC 10031 PHSC 10043	15
2nd Spring	Discrete Mathematics Calculus II Humanities Requirement Program Elective Social Sciences Requirement	MATH 23103 MATH 25004	16
2nd Summer	Calculus III	MATH 26004	4