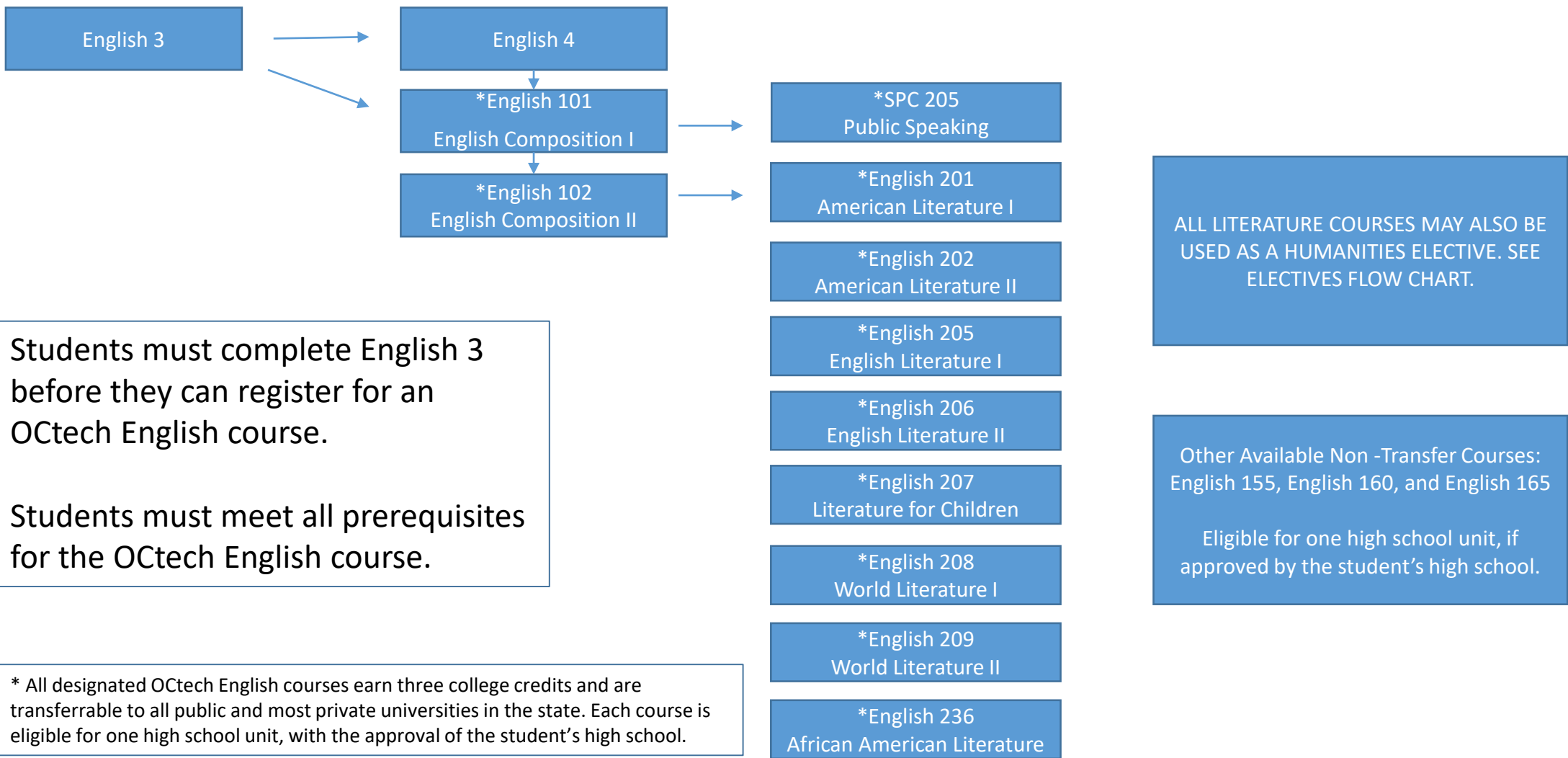


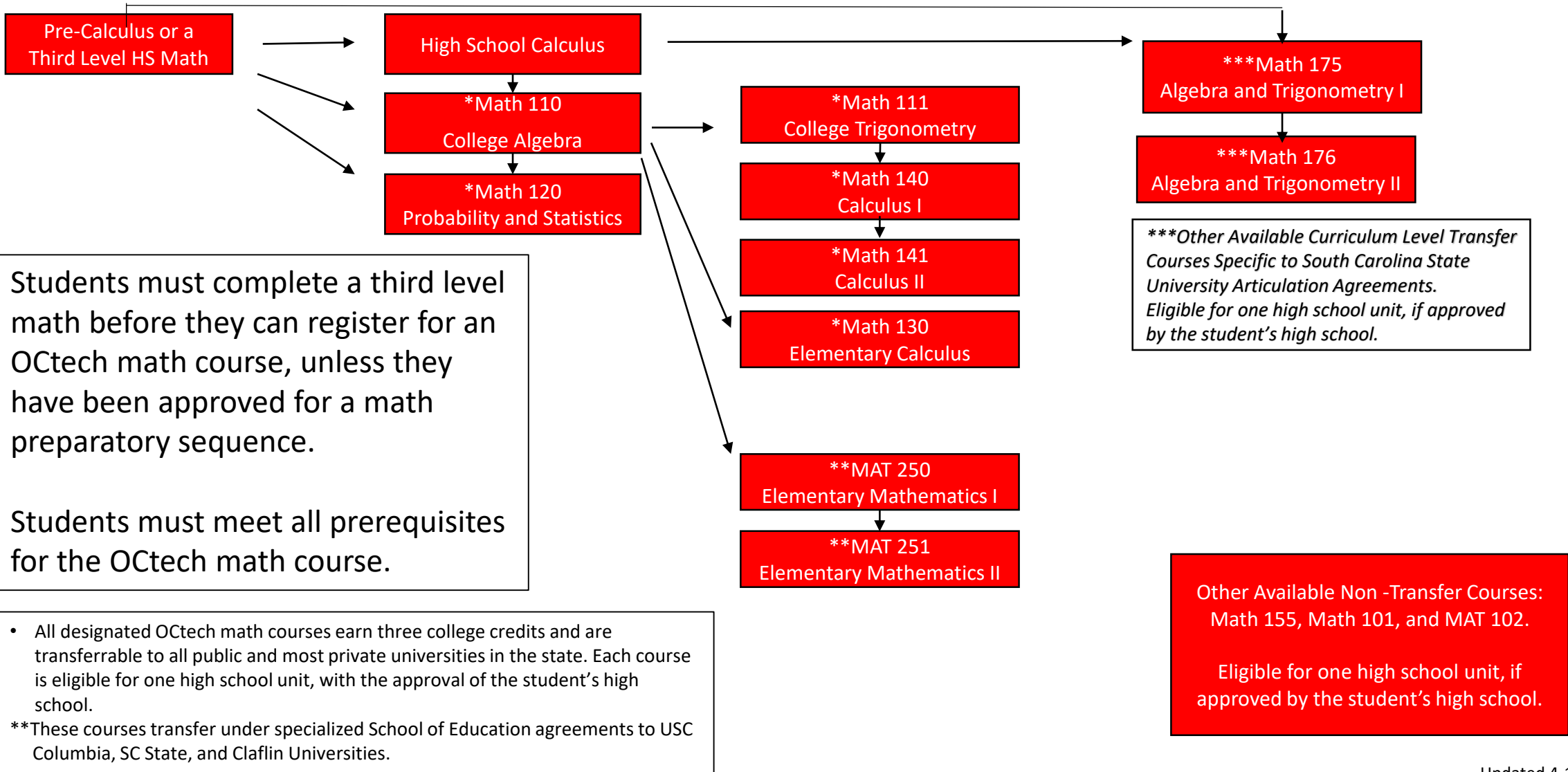
OCtech – Early College English Flow Chart

South Carolina requires high school students to take four units of English. Students may take OCtech courses if they meet prerequisites, with their school’s approval.



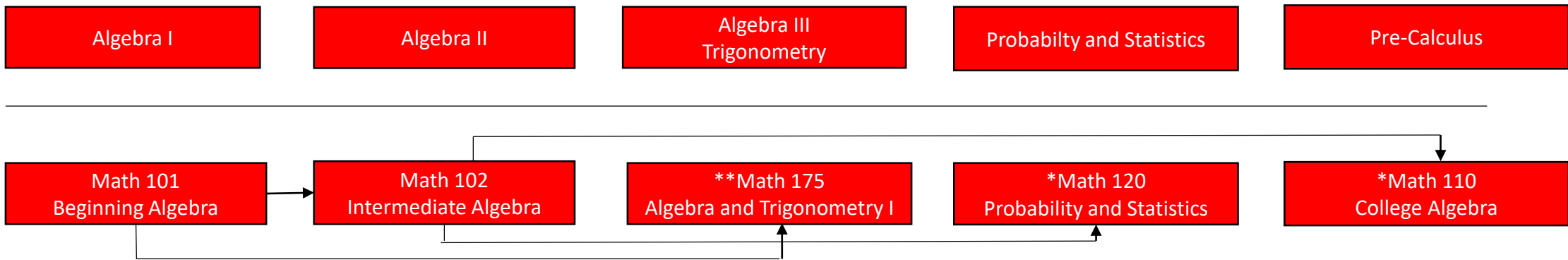
OCtech – Early College Math Flow Chart

South Carolina requires high school students to take four units of mathematics. Units must include Algebra I, Algebra II, and Geometry. A fourth higher level should be taken before or during the senior high school year. Students may take OCtech courses if they meet prerequisites, with their school's approval.



OCtech – Early College Math Non-Transfer Preparatory Flow Chart

South Carolina requires high school students to take four units of mathematics. Students may take OCtech courses if they meet prerequisites, with their school's approval.



Students must complete a third level math before they can register for an OCtech math course, unless they have been approved for a math preparatory sequence.

Students must meet all prerequisites for the OCtech math course. The student's high school must approve preparatory sequences.

***Other Available Curriculum Level Transfer Courses Specific to South Carolina State University Articulation Agreements. Eligible for one high school unit, if approved by the student's high school.*

Math 155 Contemporary Math may be taken for approved programs of study and must be approved by the student's high school.

* All designated OCtech math courses earn three college credits and are transferrable to all public and most private universities in the state. Each course is eligible for one high school unit, with the approval of the student's high school.

OCtech – Early College STEM C.A.T.E Pathways and Other Elective Options

South Carolina requires high school students to take seven units of electives, one unit of foreign language (two units of the same language for university admission) or C.A.T.E., and one unit of Computer Science. University admission also requires that at least one elective be in a college prep area, such as the humanities, fine arts, or social sciences. The following Pathways contain courses designed for OCtech Associate of Applied Science degrees and Associate of Arts/Sciences degrees. They may also enable students to earn OCtech certificates in high demand employment areas. **(Additional courses beyond those designated for Early College Pathways may be found in the OCtech catalog.)**

Suggested STEM Dual Credit STEM Pathways with Transfer Options

| | | | | |
|--|---------------------------------------|------------------------------------|---|-------------------------------------|
| Health Sciences and Nursing | Engineering University Transfer | Electronics Engineering Technology | Advanced Manufacturing and Mechatronics | Computer Technology: Programming |
| Computer Technology: Network Security/Cybersecurity | STEM Education | Engineering Design Technology | Criminal Justice and Forensics | Business Administration: Accounting |
| Agriculture: Soils and Sustainable Crops and Agriculture Education | Specialized Associate of Arts/Science | | | |

Other Dual Credit Pathways with Transfer Options

| | | |
|--|---|-----------|
| Business Administration: Enterprise Management | Early Childhood and Associate of Arts Education | Paralegal |
|--|---|-----------|

All OCtech Pathways contain courses that may equal one high school unit with the approval of the student’s high school. Elective courses have been aligned with college courses. Students are encouraged to take dual enrollment courses if they meet all prerequisites. **See also the Career Pathways worksheets for C.A.T.E. elective options.**

Students Must Meet All Course Prerequisites

Suggested STEM Dual Credit STEM Pathways with Non-Transfer Options

| | | | |
|-----------------------|-------------------------|------------------------------|--------------------|
| Automotive Technology | Machine Tool Technology | Transportation and Logistics | Welding Technology |
|-----------------------|-------------------------|------------------------------|--------------------|

OCtech – Early College Laboratory Science Flow Chart

South Carolina requires high school students to take three units of science. For university admission, two units must be taken in two different fields of physical, earth, or life sciences and selected among biology, chemistry, physics or earth sciences. The third unit may be from the same field as one of the first two units.

Physics

Chemistry

Biology

Suggested Dual Credit Options: Must meet Course Prerequisites.

*PHY 201
Physics I

*PHY 202
Physics II

*Physics 221
University Physics I

*PHY 222
University Physics II

*CHM 110
College Chemistry I

*CHM 111
College Chemistry II

**CHM 105
General, Organic, and
Biochemistry

*BIO 101
Biological Sciences I

*BIO 102
Biological Sciences II

*BIO 210
Anatomy and Physiology I

*BIO 211
Anatomy and Physiology II

BIO 117
Basic Anatomy and
Physiology I

BIO 118
Basic Anatomy and
Physiology II

Science courses have been aligned with college and university admission requirements, as well as with high school graduation requirements. Students are encouraged to take dual enrollment courses if they meet all prerequisites.

* All OCtech courses listed above are transferable to all public and most private universities in South Carolina.

** This course transfers under specialized agreement to University of South Carolina Upstate and to Claflin and South Carolina State Universities.

All OCtech laboratory sciences earn 4.0 college credits and may equal one high school unit with the approval of the student's high school.

OCtech – Early College Laboratory Science Preparatory Flow Chart

South Carolina requires high school students to take three units of science. For university admission, two units must be taken in two different fields of physical, earth, or life sciences and selected among biology, chemistry, physics or earth sciences. The third unit may be from the same field as one of the first two units.

Physics

Chemistry

Biology

Suggested Dual Credit Options: Must meet Course Prerequisites.

*PHY 201
Physics I



*PHY 202
Physics II

OR

*Physics 221
University Physics I



*PHY 222
University Physics II

*CHM 110
College Chemistry I



*CHM 111
College Chemistry II



*Organic Chemistry courses
are available with
completion of CHM 111

OR

**CHM 105
General, Organic, and
Biochemistry

*BIO 101
Biological Sciences I



*BIO 102
Biological Sciences II

*BIO 210
Anatomy and Physiology I



*BIO 211
Anatomy and Physiology II



*BIO 225
Microbiology

BIO 117
Basic Anatomy and
Physiology I



BIO 118
Basic Anatomy and
Physiology II

* All OCtech courses listed above are transferable to all public and most private universities in South Carolina.

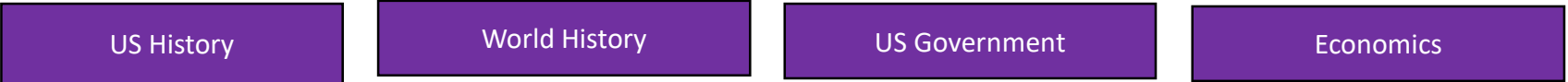
** This course transfers under specialized agreement to University of South Carolina Upstate and to Claflin and South Carolina State Universities.

All OCtech laboratory sciences earn 4.0 college credits and may equal one high school unit with the approval of the student's high school.

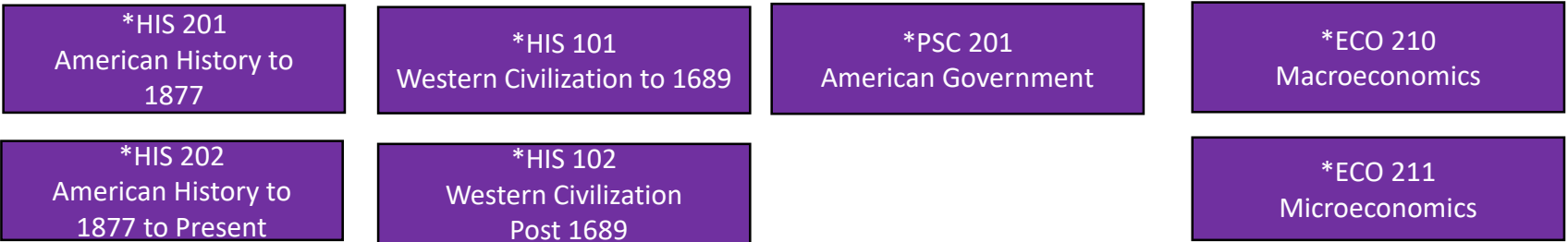
Students are encouraged to take dual enrollment courses if they meet all prerequisites.

OCtech – Early College Social Studies Flow Chart

South Carolina requires high school students to take one unit of US History, ½ unit of Economics, ½ unit of government and one unit of another Social Studies.



Dual Credit Options: Must meet Course Prerequisites.



Social Studies courses have been aligned with college courses. Students are encouraged to take dual enrollment courses if they meet all prerequisites.

ALL OCTECH HISTORY COURSES MAY ALSO BE USED AS A HUMANITIES ELECTIVE. SEE ELECTIVES FLOW CHART.

* All OCtech courses listed above are three college credits (3-0-3). They each may equal one high school unit with the approval of the student’s high school.

OCtech – Early College Transfer Electives, Computer Science, and Foreign Language Flow Chart

South Carolina requires high school students to take seven units of electives, one unit of foreign language (two units of the same language for university admission) or C.A.T.E., and one unit of Computer Science. University admission also requires that at least one elective be in a college prep area, such as the humanities, fine arts, or social sciences.

Computer Science

Fine Arts

Foreign Language

Humanities

Social Sciences

Suggested Dual Credit Options: Must meet Course Prerequisites.

*CPT 170
Microcomputer
Applications

*ART 101
Art History and
Appreciation

*MUS 105
Music Appreciation

*SPA 101
Elementary Spanish I

*SPA 102
Elementary Spanish II

FRE 101
Elementary French I

FRE 102
Elementary French II

(All language courses earn
4.0 college credits)

*PHI 101
Introduction to Philosophy

*PHI 110
Ethics

*ALL ENGLISH LITERATURE AND
*HISTORY COURSES (ENG 201,
ENG 202, ENG 205, ENG 206,
ENG 207, ENG 208, ENG 209,
ENG 236, HIS 101, HIS 102,
HIS 201, HIS 202. See English
and Social Studies Flow
Charts.

REL 101 and REL 102 also
transfer to many universities.

*PSY 201
General Psychology

PSY 203
Human Growth and
Development

*SOC101
Introduction to Sociology

Elective courses have been aligned with college courses. Students are encouraged to take dual enrollment courses if they meet all prerequisites. **See also the Career Pathways for C.A.T.E. elective options.**

* All OCtech courses listed above are three college credits (3-0-3) unless otherwise designated. They each may equal one high school unit with the approval of the student's high school. All courses are transferable to all public and most private universities in South Carolina.