

Associate of Science
Pre-Engineering Option

This program is provided for students who plan to earn an associate of science degree and transfer to a senior institution to earn a bachelor of science degree in most fields of engineering.

The following curriculum guide reflects core graduation requirements but does not provide the transfer student with prerequisites for junior level courses. Please consult the footnotes¹ and a pre-engineering advisor.

		<u>Fall</u>	<u>Spring</u>	
<u>Freshman</u>				
³ CHEM 1110/1111	General Chemistry I		4	
⁴ CHEM 1120/1121	General Chemistry II		4	
ENGL 1010	Composition I	3		
ENGL 1020	Composition II		3	
MATH 1900	Scientific Computer Applications	3		
² MATH 1910	Calculus I	4		
² MATH 1920	Calculus II		4	
MUS 1030	Music Appreciation		3	
⁵ PHYS 2110/2111	University Physics I			4
	Total	17	15	
<u>Sophomore</u>				
ECON 2110	Principles of Economics (MICRO)	3		
ECON 2120	Principles of Economics (MACRO)		3	
MATH 2110	Calculus III	4		
⁶ MATH 2120	Differential Equations		3	
⁷ PHYS 2710	Engineering Mechanics: Statics	3		
⁸ PHYS 2720	Engineering Mechanics: Dynamics		3	
SPE 2310	Public Speaking		3	
	Humanities/Fine Arts Elective	3	3	
	⁹ History Sequence	3	3	
	Total	16	18	

¹ERG 2010 is required for all B.S. degrees in engineering.

²MATH 1915 and MATH 1925 are required for UTC and recommended for UTK and TTU.

³Both CHEM 1110 and 1120 are required at UTK and TTU.

⁴PHYS 2120/2121 will substitute for CHEM 1120/1121 for UTC

⁵PHYS 2120/2121 is also required for most B.S. degrees in engineering.

⁶MATH 2010 is required/recommended for most B.S. degrees in engineering.

⁷PHYS 2610/2610 is required for most B.S. degrees in engineering.

⁸CHEM 2010 will substitute for PHYS 2720 for chemical engineering majors.

⁹Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

Associate of Science
Agriculture Option

Curriculum guide for students in general agriculture, agricultural education, agricultural business, animal science, horticulture, and other agriculturally related programs.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
AGR 1110	Animal Science		3
AGR 1410	Intro to Agriculture		3
BIOL 1110/1111	General Biology I	4	
BIOL 1120/1121	General Biology II		4
CHEM 1110/1111	General Chemistry I		4
CHEM 1120/1121	General Chemistry II		4
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
	Electives	2	
	Total	16	14
<u>Sophomore</u>			
ECON 2110	Principles of Economics (MICRO)	3	
ECON 2120	Principles of Economics (MACRO)		3
¹ MATH 1510	Introductory Statistics		3
MATH 1610	Finite Mathematics		3
MUS 1030	Music Appreciation		3
SPE 2310	Public Speaking		3
	² Humanities/Fine Arts Elective	3	3
	³ History Sequence	3	3
	Total	15	15

¹MATH 1810, 1820, or 1910 may be substituted for MATH 1510.

²At least one literature course is required.

³Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

Associate of Science
Mathematics Option

This program is provided for students who plan to earn associate of science degrees and transfer to senior institutions to earn a bachelor of science degree in mathematics.

Students planning to become mathematicians, mathematics teachers or professionals in related areas should consider this program.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
MATH 1900	Scientific Computer Applications	3	
¹ MATH 1910	Calculus I	4	
¹ MATH 1920	Calculus II		4
MATH 1925	Microcomputer Lab		1
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
MUS 1030	Music Appreciation		3
PHYS 2110/2111	University Physics I		4
	² History Sequence	3	3
	Total	16	15
<u>Sophomore</u>			
ECON 2110	Principles of Economics (MICRO)	3	
ECON 2120	Principles of Economics (MACRO)		3
MATH 2010	Linear Algebra		3
³ MATH 2110	Calculus III	4	
MATH 2120	Differential Equations		3
PHYS 2120/2121	University Physics II	4	
SPE 2310	Public Speaking		3
	Humanities/Fine Arts Elective	3	3
	Total	14	15

¹MATH 1915 and MATH 1925 are required for UTC and recommended for UTK and TTU.

² Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

³MATH 1510 is recommended by some senior institutions.

Associate of Science
Biology Option

The following curriculum guide reflects the core graduation requirements for TBR schools, but does not provide the transfer student with all of the prerequisites for junior level courses. Please consult the footnotes and the pre-professional advisor.

Students planning to enter biology, entomology, food technology, forestry, general science, marine biology, microbiology, veterinary medicine, optometry, wildlife management, zoology or other areas of study related to biology should consider this curriculum.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
BIOL 1110/1111	General Biology I	4	
BIOL 1120/1121	General Biology II		4
CHEM 1110/1111	General Chemistry I		4
CHEM 1120/1121	General Chemistry II		4
CIS 1110	Business Applications on PC's	3	
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
¹ MATH 1810	Calculus for Business and Life Sciences I	3	
Total		14	14
<u>Sophomore</u>			
² PHYS 2010/2011	College Physics I	4	
² PHYS 2020/2021	College Physics II		4
PSY 1010	General Psychology		3
SOC 2010	Introduction to Sociology		3
SPE 2310	Public Speaking		3
	³ History Sequence	3	3
	Humanities/Fine Arts Elective	6	3
Total		16	16

¹Some senior institutions require additional Math courses and some require MATH 1910 and 1920.

²Some senior institutions may require PHYS 2110 and 2120.

³Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

Associate of Science
Pre-Veterinary Medicine Option

The following curriculum guide reflects the core graduation requirements for TBR schools, but does not provide the transfer student with all of the prerequisites for junior level courses. Please consult the footnotes and the pre-professional advisor.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
BIOL 1110/1111	General Biology I	4	
BIOL 1120/1121	General Biology II		4
CHEM 1110/1111	General Chemistry I		4
CHEM 1120/1121	General Chemistry II		4
CIS 1110	Business Applications on PC's	3	
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
¹ MATH 1810	Calculus for Business and Life Sciences I	3	
Total		14	14
<u>Sophomore</u>			
² PHYS 2010/2011	College Physics I	4	
² PHYS 2020/2021	College Physics II		4
PSY 1010	General Psychology		3
SOC 2010	Introduction to Sociology		3
SPE 2310	Public Speaking		3
	³ History Sequence	3	3
	Humanities/Fine Arts Elective	6	3
Total		16	16

¹Some senior institutions require additional Math courses and some require MATH 1910 and 1920.

²Some senior institutions may require PHYS 2110 and 2120.

³Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

Associate of Science
Physical Science-Physics Option

The following curriculum guide reflects core graduation requirements but does not provide the transfer student with prerequisites for junior level courses. Please consult the footnotes and a physics advisor.

		<u>Fall</u>	<u>Spring</u>	
<u>Freshman</u>				
CHEM 1110/1111	General Chemistry I		4	
CHEM 1120/1121	General Chemistry II		4	
ENGL 1010	Composition I	3		
ENGL 1020	Composition II		3	
¹ MATH 1910	Calculus I	4		
MATH 1915	Symbolic Calculator Lab	1		
¹ MATH 1920	Calculus II		4	
MATH 1925	Microcomputer Lab			1
MUS 1030	Music Appreciation		3	
PHYS 2110/2111	University Physics I			4
	Total	15	16	
<u>Sophomore</u>				
² MATH 2110	Calculus III	4		
³ PHYS 2120/2121	University Physics II	4		
SPE 2310	Public Speaking		3	
	⁴ History Sequence	3	3	
	Humanities/Fine Arts Elective	3	3	
	Social Science Sequence	3	3	
	Total	17	12	

¹MATH 1915 and MATH 1925 are required for UTC and recommended for UTK and TTU.

²MATH 1900 and 2010 are recommended for most senior institutions.

³PHYS 2130/2131 is required at some most senior institutions and ASTR 1010 and 1020 are recommended.

⁴Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

Associate of Science
Pre-Computer Science Option

This is a university-parallel curriculum provided for students who plan to pursue associate of science degrees for transfer toward bachelor of science degrees at senior institutions.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
¹ CIS 1710	Intro to Computer Science I	3	
CIS 1720	Intro to Computer Science II		3
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
² MATH 1910	Calculus I	4	
² MATH 1920	Calculus II		4
MATH 1925	Microcomputer Lab	1	
MUS 1030	Music Appreciation		3
PHYS 2110/2111	University Physics I		4
Total		14	14
<u>Sophomore</u>			
ECON 2110	Principles of Economics (MICRO)	3	
ECON 2120	Principles of Economics (MACRO)		3
MATH 2010	Linear Algebra		3
³ MATH 2110	Calculus III	4	
PHYS 2120/2121	University Physics II	4	
SPE 2310	Public Speaking	3	
	⁴ History Sequence	3	3
	⁵ Humanities/Fine Arts Elective		6
Total		17	15

¹MATH 1900 is recommended for senior institutions requiring programming in C++.

²MATH 1915 and MATH 1925 are required for UTC and recommended for UTK and TTU.

³MATH 2120 is required at some senior institutions.

⁴Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

⁵At least one literature course is required.

Associate of Science
Pre-Dentistry Option

The following curriculum guide reflects the core graduation requirements, but does not provide the transfer student with all of the prerequisites for junior level courses. Please consult the footnotes and the pre-professional advisor.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
BIOL 1110/1111	General Biology I	4	
BIOL 1120/1121	General Biology II		4
CHEM 1110/1111	General Chemistry I		4
CHEM 1120/1121	General Chemistry II		4
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
¹ MATH 1810	Calculus for Business and Life Sciences I	3	
PSY 1010	General Psychology		3
	Total	14	14
<u>Sophomore</u>			
CHEM 2010/2011	Organic Chemistry I	4	
CHEM 2020/2021	Organic Chemistry II		4
² PHYS 2010/2011	College Physics I	4	
SOC 2010	Introduction to Sociology		3
SPE 2310	Public Speaking		3
	³ History Sequence	3	3
	Humanities/Fine Arts Elective	6	3
	Total	17	16

¹Some professional schools require MATH 1910 and 1920.

²Some professional schools also require PHYS 2020 or PHYS 2110 and 2120.

³Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

Associate of Science
Pre-Medicine Option

The following curriculum guide reflects the core graduation requirements, but does not provide the transfer student with all of the prerequisites for junior level courses. Please consult the footnotes and the pre-professional advisor.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
BIOL 1110/1111	General Biology I	4	
BIOL 1120/1121	General Biology II		4
CHEM 1110/1111	General Chemistry I	4	
CHEM 1120/1121	General Chemistry II		4
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
¹ MATH 1810	Calculus for Business and Life Sciences I	3	
PSY 1010	General Psychology		3
	Total	14	14
<u>Sophomore</u>			
CHEM 2010/2011	Organic Chemistry I	4	
CHEM 2020/2021	Organic Chemistry II		4
² PHYS 2010/2011	College Physics I	4	
SOC 2010	Introduction to Sociology		3
SPE 2310	Public Speaking		3
	³ History Sequence	3	3
	Humanities/Fine Arts Elective	6	3
	Total	17	16

¹Some professional schools require MATH 1910 and 1920.

²Some professional schools also require PHYS 2020 or PHYS 2110 and 2120.

³Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour

sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

Associate of Science
Pre-Medical Technology Option

The following curriculum guide reflects the core graduation requirements, but does not provide the transfer student with all of the prerequisites for junior level courses. Please consult the footnotes and the pre-professional advisor.

This is a transfer program and upon completion students may apply for admission to professional colleges of medicine or health sciences⁴ to continue to work toward degrees or senior institutions of higher education in continuing preparation for such application.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
BIOL 1110/1111	General Biology I	4	
BIOL 1120/1121	General Biology II		4
CHEM 1110/1111	General Chemistry I		4
CHEM 1120/1121	General Chemistry II		4
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
¹ MATH 1810	Calculus for Business and Life Sciences I	3	
PSY 1010	General Psychology		3
	Total	14	14
<u>Sophomore</u>			
CHEM 2010/2011	Organic Chemistry I	4	
CHEM 2020/2021	Organic Chemistry II		4
² PHYS 2010/2011	College Physics I	4	
SPE 2310	Public Speaking		3
	³ History Sequence	3	3
	Humanities/Fine Arts Elective	6	3
	Economics		3
	Total	17	16

¹Some senior institutions require additional MATH courses, and some require MATH 1910 and 1920.

²Some senior institutions also require PHYS 2020 while others require PHYS 2110 and 2120.

³Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

⁴University of Tennessee and Auburn pharmacy schools require a 3-year pre-professional program.

Associate of Science
Pre-Pharmacy Option

The following curriculum guide reflects the core graduation requirements, but does not provide the transfer student with all of the prerequisites for junior level courses. Please consult the footnotes and the pre-professional advisor.

This is a transfer program and upon completion students may apply for admission to professional colleges of medicine or health sciences⁴ to continue to work toward degrees or senior institutions of higher education in continuing preparation for such application. Consult pre-pharmacy requirements of the institutions to which you might apply.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
BIOL 1110/1111	General Biology I	4	
BIOL 1120/1121	General Biology II		4
CHEM 1110/1111	General Chemistry I		4
CHEM 1120/1121	General Chemistry II		4
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
¹ MATH 1810	Calculus for Business and Life Sciences I	3	
PSY 1010	General Psychology		3
Total		14	14
<u>Sophomore</u>			
CHEM 2010/2011	Organic Chemistry I	4	
CHEM 2020/2021	Organic Chemistry II		4
² PHYS 2010/2011	College Physics I	4	
SPE 2310	Public Speaking		3
	³ History Sequence	3	3
	Humanities/Fine Arts Elective	6	3
	Economics		3
Total		17	16

¹Some senior institutions require additional MATH courses, and some require MATH 1910 and 1920.

²Some senior institutions also require PHYS 2020 while others require PHYS 2110 and 2120.

³Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

⁴University of Tennessee and Auburn pharmacy schools require a 3-year pre-professional program.

Associate of Science
Pre-Dental Hygiene Option

This is a transfer program designed for students wishing to qualify for admission to dental hygiene (Allied or Public Health Programs) at senior institutions. Some institutions require the completion of the associate degree before accepting applicants into specific programs. Other institutions will accept students who have met certain prerequisites in an advance standing Dental Hygiene Program. Students should consult the catalog of the senior institution for specific requirements.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
BIOL 1110/1111	General Biology I	4	
BIOL 1120/1121	General Biology II		4
CHEM 1110/1111	General Chemistry I		4
CHEM 1120/1121	General Chemistry II		4
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
¹ MATH 1510	Introductory Statistics	3	
SOC 2010	Intro to Sociology		3
Total		14	14
<u>Sophomore</u>			
CIS 1110	Business Applications on PC's		3
PSY 1010	General Psychology		3
SPE 2310	Public Speaking		3
	² Advanced Biology		4 4
	³ History Sequence	3	3
	Humanities/Fine Arts Elective	6	3
Total		16	16

¹MATH 1810 will substitute if required by some senior institutions or professional programs.

²Most senior institutions recommend some combination of BIOL 2230/2231, BIOL 2010/2011, and BIOL 2020/2021.

³Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

Associate of Science
Veterinary Assistant Option

This option is provided for students who are interested in working in the field of veterinary care, in the capacity of assistants to a doctor of veterinary medicine or for students who are planning to pursue study/work in other areas of animal health care.

The curriculum is designed to cover basic courses in agriculture, animal science, biology, chemistry and microbiology, as well as courses in humanities and social sciences. This program also requires work experience in a veterinary office setting.

This option is designed for transfer into pre-veterinary medicine, to a limited degree and also to maintain the career flexibility in a variety of agriculture related bachelor's degree programs.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
AGR 1110	Animal Science		3
AGR 1410	Intro to Agriculture		3
BIOL 1110/1111	General Biology I	4	
BIOL 1120/1121	General Biology II		4
CHEM 1110/1111	General Chemistry I		4
CHEM 1120/1121	General Chemistry II		4
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
¹ MATH 1510	Introductory Statistics	3	
	Total	17	14
<u>Sophomore</u>			
AGR 2110	Veterinary Assistant Practicum		2
BIOL 2230/2231	Microbiology	4	
PSY 1010	General Psychology		3
SOC 2010	Intro to Sociology		3
SPE 2310	Public Speaking		3
	² History Sequence	3	3
	Humanities/Fine Arts Elective	6	3
	Total	16	14

¹MATH 1810 will substitute if required by some senior institutions or professional programs.

²Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

Associate of Science
Physical Science-Chemistry Option

The following curriculum guide reflects core graduation requirements but does not provide the transfer student with prerequisites for junior level courses. Please consult the footnotes and a chemistry advisor.

		<u>Fall</u>	<u>Spring</u>
Freshman			
CHEM 1110/1111	General Chemistry I		4
CHEM 1120/1121	General Chemistry II		4
ENGL 1010	Composition I	3	
ENGL 1020	Composition II		3
¹ MATH 1910	Calculus I	3	
¹ MATH 1920	Calculus II		3
MUS 1030	Music Appreciation		3
² PHYS 2110/2111	University Physics I		4
	Social Science	3	
	Total	16	14
Sophomore			
CHEM 2010/2011	Organic Chemistry I	4	
CHEM 2020/2021	Organic Chemistry II		4
² PHYS 2120/2121	University Physics II	4	
SPE 2310	Public Speaking		3
	³ History Sequence	3	3
	Humanities/Fine Arts Elective	3	3
	Social Science		3
	Total	14	16

¹Some senior institutions require MATH 1910 and 1920 and additional mathematics courses.

²PHYS 2010/2011 and 2120/2121 are recommended by some institutions and will substitute for PHYS 2110/2120.

³Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.

Associate of Science
Pre-Physical Therapy Option

This is a transfer program. Upon completion, students will receive an associate of science degree and may apply for admission to institutions that confer bachelor's degrees in pre-physical therapy or related areas. Physical Therapy Programs are currently all graduate level studies.

The curriculum guide listed below indicates the courses required by most senior institutions that offer Physical Therapy programs. It is not a complete listing of all courses commonly required that are offered by Cleveland State Community College. There are program specific differences that need to be considered when planning your course of study. Students should consult their Pre-Physical Therapy advisor and examine catalogs of senior institutions to ensure that the prerequisites are met.

		<u>Fall</u>	<u>Spring</u>
<u>Freshman</u>			
¹ BIOL 1110/1111	General Biology I	4	
CHEM 1110/1111	General Chemistry I		4
CHEM 1120/1121	General Chemistry II		4
ENGL1010	Composition I	3	
ENGL 1020	Composition II		3
PSY 1010	General Psychology		3
SPE 2310	Public Speaking		3
	² Humanities/Fine Arts Elective		3
	³ Mathematics Elective		3
	Total	14	16
<u>Sophomore</u>			
BIOL 2010/2011	Human Anatomy and Physiology I	4	
BIOL 2020/2021	Human Anatomy and Physiology II		4
PHYS 2010/2011	College Physics I	4	
PHYS 2020/2021	College Physics II		4
PSY 2110	Human Growth and Development		3
	⁴ History Sequence	3	3
	² Humanities/Fine Arts Elective	3	
	Literature (World, English or American)	3	
	Total	17	14

¹ Some Physical Therapy programs require both semesters of General Biology. Students should discuss this requirement with the advisor to determine if BIOL 1120/1121 should be taken.

² The advisor will help the student select the appropriate course.

³ The advisor will help the student select the appropriate course. Some Physical Therapy programs require two courses in mathematics.

⁴ Students who seek an associate of arts or associate of science degree should take the history sequence required by the senior institution. To transfer to a Tennessee Board of Regents University, students should take a six-hour sequence in American History. One course in Tennessee History may be substituted for one course in American History. To transfer to a U.T. system institution, students should refer to the articulation agreement with that particular college.