

TRANSFER AGREEMENT

2011-12

Chattanooga State Community College

Tennessee Technological University

Use this as a guide to make your way through Chattanooga State Community College and plan your future at Tennessee Technological University.

CONTENTS

Transfer Agreement Policies	i
Admission Standards	i
Application	i
Expenses	i
Scholarship Information	i
Undergraduate Colleges and Departments	ii
Questions Directory	ii
College of Business	1
College of Education	3
College of Engineering	12
Army ROTC	15
Index	16

Transfer Agreement Policies

1. This publication is a transfer agreement between Chattanooga State Community College and Tennessee Technological University.
2. The current edition of this publication will be in effect for six years from the time a student becomes regularly admitted at Chattanooga State.
3. Students entering Chattanooga State must meet all the standards and follow the procedures of the current Chattanooga State catalog.
4. Students entering Tennessee Tech must meet the standards and follow the procedures of the current Tennessee Tech undergraduate catalog.
5. This agreement assumes that students will complete an associate degree at Chattanooga State before entering Tennessee Tech. Students not completing an associate degree will have their applications evaluated as any other transfer student.
6. In some cases, individual programs at Tennessee Tech have specific requirements for admission which supersede all others.

Admission Standards

Under this agreement, in order to be eligible for admission to Tennessee Tech, you must have an associate degree from Chattanooga State and a minimum 2.0 grade point average. Students not completing an associate degree will have their applications evaluated as any other transfer student. In selected majors, a higher grade point average is required for admission. Check the curricular requirements for the major of your choice for additional information.

Application

1. Complete the Undergraduate Application form. Submit the form and a nonrefundable \$25 application fee to the Office of Admissions, Tennessee Technological University, P. O. Box 5006, Cookeville, Tennessee 38505. The application deadline date for receipt of the admission application, test scores (ACT/SAT) and appropriate transcripts is August 1 for fall entry, December 1 for spring entry and May 1 for summer entry.
2. Request each institution previously attended to send official transcripts of all work completed and a partial transcript if presently enrolled in another institution. Request the sending of a final transcript when all work is completed. Transcripts of all work attempted at the college level must be furnished.
3. The official grade point average will be computed on hours and grades earned at all previous colleges or universities. Credit is transferred with the grade made in the course. For example, an "A" is transferred as an "A" and an "F" is transferred as an "F."
4. Students who have not completed college credit math or English courses must follow COMPASS testing guidelines. Students under the age of 21 who have completed fewer than 24 semester hours must also submit ACT scores.
5. All non-commuting single freshmen and sophomores must live in university housing.

6. The applicant will be notified of the admission status after all credentials have been received and evaluated. Tentative admission may be granted on the basis of partial transcripts if the quality of work is clearly acceptable. Final admission is granted only after all official transcripts and credentials are received. Upon acceptance the student will be sent a Letter of Admission.

If you would like to visit Tennessee Technological University at any time, please contact the Admissions Office between 8:00 - 4:30 Monday through Friday. For additional information, please contact the Office of Admissions at 931-372-3888 or toll-free 1-800-255-8881.

Expenses

For the list of current fees, check the Bursar's web site at www.tntech.edu/bursar/

Scholarship Information

Scholarship opportunities are available for transfer students. For scholarship information, check the scholarship website at <http://www.tntech.edu/scholarships/> The scholarship deadline date is December 15 for the next academic year.

Undergraduate Colleges and Departments

College of Agricultural and Human Sciences

School of Agriculture
School of Human Ecology
School of Nursing

College of Arts and Sciences

Biology
Chemistry
Earth Sciences
English and Communications
Foreign Languages
History
Mathematics
Physics
Sociology and Political Science

College of Business

Accounting
Decision Sciences and Management
Economics, Finance and Marketing

College of Education

Counseling and Psychology
Curriculum and Instruction
Exercise Science, Physical Education & Wellness
Music and Art
Appalachian Center for Crafts

College of Engineering

Chemical Engineering
Civil and Environmental Engineering
Computer Science
Electrical and Computer Engineering
Industrial and Systems Engineering
Mechanical Engineering
Manufacturing and Industrial Technology

School of Interdisciplinary Studies

Questions? Then Contact

Academic Records	Records & Registration, Derryberry Hall 102	372-3317
Admissions	Admissions Office, Derryberry Hall 209	372-3888
Athletics	Athletics, Hooper Eblen 300	372-3940
Auto Registration	Safety & Security,	372-3234
Bills	Business Office, Derryberry Hall 100	372-3311
Books and Supplies	University Store, University Center G-7	372-3131
College of		
Agricultural and Human Sciences	Dean's Office, South Hall 102	372-3149
School of Nursing	Kristi Burris, Nursing and Health Services Building 208	372-3229
Arts and Sciences	Dean's Office, Henderson Hall 202	372-3118
Student Success Center	Henderson Hall 202	372-3610
Business	Dean's Office, Johnson Hall 101	372-3372
Student Success Center	Johnson Hall 107	372-3371
Education	Dean's Office, T.J. Farr 100	372-3124
Advising Center	T.J. Farr Building 103	372-6336
Engineering	Dean's Office, Clement Hall 201	372-3172
Counseling	Counseling Center, University Center 307	372-3331
Financial Aid	Financial Aid Office, University Center 214	372-3073
Fraternities	Student Organizations Office, University Center 234	372-3236
Housing	Office of Residential Life, MS Cooper 217	372-3414
Religious Opportunity	Student Organizations Office, University Center 234	372-3236
School of Interdisciplinary Studies	Dean's Office Henderson Hall Room 3	372-3394
Student Government	Student Organizations Office, University Center 234	372-3236
Student Organizations	Student Organizations Office, University Center 234	372-3236
Teacher Certification	College of Education, Bartoo Hall 301	372-3170
Veteran Certification	Records & Registration, Derryberry Hall 102	372-3317

7/22/11

MARKETING

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
INFS 1010	Computer Application	3	0	ACCT 1010, 1020	Principles of Accounting I, II	3	3
ENGL 1010, 1020	Composition I, II	3	3	ECON 2010, 2020	Macroeconomics, Microeconomics	3	3
MATH 1130	College Algebra	3	0	ENGL 2210 or 2220	English Literature I <u>or</u> II	3	0
MATH 1830	Calculus for Management, Life and Social Sciences	0	3	ENGL 2110 or 2120	American Literature I <u>or</u> II		
Natural Science		4	4	ENGL 2410 or 2420	Lit of the Western World I <u>or</u> II		
Non-Business Electives ¹		1	3	HIST 2010, 2020	United States History I, II	3	3
Humanities/Fine Arts Elective		0	3	SP 110	Fundamentals of Public Speaking	0	3
				Humanities/Fine Arts Elective		3	0
				Non-Business Electives ¹		0	3
	Total	14	16		Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY MARKETING - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Steve Isbell, Department Chairperson
Johnson Hall 216, Phone: (931) 372-3745

Junior Year		F	SP	Senior Year		F	SP
BMGT 3510	Management & Organization Behavior	3	0	BMGT 4930	Business Strategy	3	0
DS 3520	Operations Management	3	0	LAW 3810	Business Legal Environment and Ethics	3	0
DS 3620	Management Science	3	0	MKT 4620	Marketing Research	3	0
DS 3841	Management Information Systems	3	0	MKT 4730	Marketing Strategy	3	0
ECON 3320, 3810 or 3820		3	0	Business Elective ²		3	0
ECON 3610	Business Statistics I	3	0	Marketing Electives ²		12	0
FIN 3210	Principles of Managerial Finance	3	0	Non-Business Electives ²		3	0
MKT 3400	Principles of Marketing	3	0				
Marketing Elective ²		3	0				
Non-Business Elective ²		3	0				
	Total	30	0		Total	30	0

¹Select any transferable non-business related course from the Chattanooga/TTU Transfer Equivalency table.

²Elective courses must be selected in consultation with the advisor.

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

COLLEGE OF EDUCATION

ADMISSION TO TEACHER EDUCATION

There are three levels of admission to the TTU Teacher Education Program. The student receives provisional admission upon meeting the admission policies of the institution. The student receives full admission upon meeting the following criteria:

1. Completion of a minimum of 30 semester hours of credit, exclusive of DSP courses, and including ENGL 1010, 1020, and FOED 2011 (or equivalent).
2. Attainment of a minimum quality point average of 2.50 (exclusive of DSP credit).
3. Attainment of minimum scores on the Educational Testing Service PRAXIS I Series: Pre-Professional Skills Tests (Mathematics – 173, Reading – 174, and Writing 173). Individuals having achieved an Enhanced ACT composite score of 22 or a recombined score of 1020 on the SAT are exempt from the PRAXIS I requirement. If seeking an exemption for the PRAXIS I Pre-Professional Skills testing requirement, the student must provide copies of ACT or SAT scores and official transcripts from all institutions previously attended.
4. Evidence of desirable dispositions conducive to success in teaching. Disposition Assessment Forms should be distributed to the following individuals: (1) academic advisor; (2) a professional education instructor; (3) an instructor in the major teaching field if the student is majoring in a 7-12 area, or to an instructor outside the field of education, if the student is majoring in a K-6, 5-8, K-12, or PreK-4 field of study; and (4) to a public school teacher, principal, or counselor. The Disposition Assessment forms must be returned to the attention of the Certification Analyst in TTU Office of Teacher Education.
5. Formal application for admission to the TTU Teacher Education Program must be filed with the Certification Analyst upon completion of 30 semester hours of credit.

All requirements for admission to the Teacher Education program must be completed and candidates attain full admission to the teacher education program before enrolling in upper division professional education courses. The application to the TTU Teacher Education program must be completed and returned to the attention of the Certification Analyst during the semester immediately preceding attendance at TTU. The application packet may be obtained from the TTU Office of Teacher Education's website, or by writing the TTU Office of Teacher Education, Box 5902, TTU, Cookeville, TN 38505.

The third level of admission in the TTU Teacher Education program is student teaching. Candidates are required to submit an Intent to Student Teach approximately one year in advance of the semester scheduled for student teaching. Progression through all the teacher licensure programs is based upon candidate performance and departmental evaluations. For additional details on admission policies and procedural matters, please consult the TTU Catalog.

Teacher Education candidates may be required to meet revisions in various curricula necessitated by changing standards of the National Council for Accreditation of Teacher Education or by requirements of the TN State Board of Education and teacher licensure.

7/22/11

EXERCISE SCIENCE, PHYSICAL EDUCATION AND WELLNESS

(K-12 Licensure)

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
Social/Behavioral Science Elective	0	3	BIOL 2010 Human Anatomy & Physiology	4	0
HIST 2010, 2020 United States History I, II	3	3	EDPY 207 Educational Psychology	0	3
BIOL 1110, 1120 General Biology I, II	4	4	ED 201 Foundations of Education	3	0
ENGL 1010, 1020 Composition I, II	3	3	SP 110 Fund. of Public Speaking	3	0
MATH	3	0	ENGL 2110 or 2120 American Literature I or II		
PSYC 1030 General Psychology	0	3	ENGL 2210 or 2220 English Literature I or II		
			ENGL 2410 or 2420 Lit of the Western World I or II	0	3
			Humanities/Fine Arts Electives	3	3
			PE 154 First Aid and Safety Education	0	3
			PE 210 Intro to Physical Education	3	0
			PE 211 Personal and Community Health	0	3
Total	14	16	Total	16	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

EXERCISE SCIENCE, PHYSICAL EDUCATION AND WELLNESS - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. J.P. Barfield, Department Chairperson

Health and Physical Education Building, Phone: (931) 372-3467

Junior Year		Senior Year		
EXPW 2150 Human Sexuality	3	EXPW 4520 Adapted Physical Activity and Sport	3	
EXPW 2160 Drug Use and Abuse	2	EXPW 4871 Residency I	5	
EXPW 3132 School Health Pedagogy and Practicum	3	EXPW 4872 Professional Seminar I	5	
EXPW 3170 Motor Learning	3	EXPW 4881 Residency II	10	
EXPW 3410 Lifespan Motor Development	3	EXPW 4882 Professional Seminar II	2	
EXPW 3720 Instructional Strategies	3			
EXPW 4032 Training for Performance	3			
EXPW 4420 Kinesiology	3			
EXPW 4440 Physiology of Exercise	3			
EXPW 4711 Analysis and Development of Sport Skills	4			
EXPW 4721 Methods of Elementary Movement	4			
FOED 3010 Integrating Instructional Technology into the Classroom	3			
Total	37	Total	25	

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

MULTIDISCIPLINARY STUDIES: ELEMENTARY EDUCATION (K-6)

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE IN TEACHING

Freshman Year		F	SP	Sophomore Year		F	SP
CHEM 1310	Integrated Chemistry	0	3	ART 1030 or MUS 1030		3	0
ED 201	Foundations of Education	3	0	BIOL 1310	Integrated Biology	0	3
EDPY 207	Educational Psychology	0	3	ECED 2020	Infant, Toddler or Child Development or		
ENGL 1010, 1020	Composition I, II	3	3	PY 215	Child Growth and Development	3	0
GEOG 1025	World Regional Geography	0	3	ENGL 2110	American Literature I	3	0
				ENGL 2120	American Literature II	0	3
MATH 1410, 1420	Structure of Number System I, II	3	3	HIST 2010, 2020	United States History I, II	3	3
PHYS 1310	Integrated Physics	3	0	MATH 1530	Introductory Statistics	0	3
PO 110 or SO 110	Introduction to American Government OR			PSCI 1310	Integrated Earth &		
	Introduction to Sociology	3	0		Space Science	3	0
				SP 110	Fund. of Public Speaking	0	3
	Total	15	15	Total		15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

MULTIDISCIPLINARY STUDIES: ELEMENTARY EDUCATION (K-6 LICENSURE) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. , Department Chairperson

Bartoo Hall 311, Phone: (931) 372-3181

Junior Year			Senior Year		
ART 3200	Art Applications I	2	ELED 4871	Residency I	5
CFS 3600	Family, Community, & Professional Partnerships	2	ELED 4872	Professional Seminar I	5
CUED 4850	Workshop in Education (Praxis preparation)	3	ELED 4881	Residency II	10
ECSP 4100	Developmentally Appropriate Practices: K-4	3	ELED 4882	Professional Seminar II	2
ELED 3140	Teaching of Social Studies	2		Electives	3
ELED 3151	Teaching of Language Arts and Writing	2			
ELED 3152	Teaching of Mathematics	3			
ELED 4140	Science for Elementary Teachers	2			
ESLP 4100	ESL Methodology and Materials for PreK-12	3			
FOED 3010	Integrating IT into the Classroom	3			
MUS 3530	Music Applications	3			
READ 3311	Literacy	7			
	Total	35	Total		25

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

7/22/11

MULTIDISCIPLINARY STUDIES: MIDDLE SCHOOL (5-8)CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
CHEM 1310	Integrated Chemistry	0	3	Humanities/Fine Arts Elective		3	0
ED 201	Foundations of Education	3	0	BIOL 1310	Integrated Biology	0	3
ENGL 1010, 1020	Composition I, II	3	3	EDPY 207	Educational Psychology	0	3
HIST 2010, 2020	United States History I, II	3	3	ENGL 2110 or 2120	American Literature I or II	3	0
MATH 1410, 1420	Structure/Number Systems I, II	3	3	ENGL 2210 or 2220	English Literature I or II		
PHYS 1310	Integrated Physics	3	0	ENGL 2410 or 2420	Lit of the Western World I or II	0	3
Social/Behavioral Science Elective		0	3	GEOG 2010	World Regional Geography	0	3
				SP 110	Fund. of Public Speaking	3	0
				PSCI 1310	Integrated Earth & Space Science	3	0
				HIST 1110	History of World Civilization I	3	0
				MATH 1130	College Algebra	0	3
Total		15	15	Total		15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

MULTIDISCIPLINARY STUDIES: MIDDLE SCHOOL (5-8 LICENSURE) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. , Department Chairperson

Bartoo Hall 311, Phone: (931) 372-3181

Junior Year			Senior Year		
ART 3200 or MUS 3530		2-3	ELED 4871	Residency I	5
CUED 4850	Workshop in Education	3	ELED 4872	Professional Seminar I	5
ELED 3140	Teaching of Social Studies	2	ELED 4881	Residency II	10
ELED 3152	Teaching of Mathematics	3	ELED 4882	Professional Seminar	2
ELED 4140	Science for Elementary Teachers	2	HEC 3500	Development: Middle Childhood/Adolescence	3
ESLP 4100	ESL Methodology & Materials for PreK-12	3			
FOED 3810	Field Experiences	2			
FOED 3010	Integrating IT into the Classroom	3			
HIST 2030 or 3100		3			
LSCI 4570	Books and Related Materials for Adolescents and Adults	3			
READ 3311	Literacy I	7			
Electives		4-5			
Total		35-36	Total		25

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

SECONDARY EDUCATION - MATHEMATICS

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
Science Sequence	4	4	ART 1030 or MUS 1030	3	0
ED 201 Foundations of Education	3	0	EDPY 207 Educational Psychology	0	3
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2110 or 2120 American Literature I or II	3	0
HIST 2010, 2020 United States History I, II	3	3	ENGL 2210 or 2220 English Literature I or II	0	3
MATH 1910, 1920 Calculus w/Analytic Geometry I, II	4	4	ENGL 2410 or 2420 Lit of the Western World I or II	0	3
			MATH 2010 Linear Algebra	3	0
			MATH 2110 Calculus w/Analytic Geometry III	0	4
			SP 110 Fund. of Public Speaking	0	3
			ECON 2020, GEOG 2010, POLS 1030, PSYC 1030, SOCI 1010 or 216	3	3
			PHED Activity	1	0
Total	17	14	Total	14	16

TENNESSEE TECHNOLOGICAL UNIVERSITY SECONDARY EDUCATION - MATHEMATICS BACHELOR OF SCIENCE DEGREE

Advisor: Dr. , Department Chairperson
Bartoo Hall 311, Phone: (931) 372-3181

Junior Year			Senior Year	
FOED 3010 Integrating IT into the Classroom	3		MATH 4210 Numerical Analysis I	3
MATH 1410 or 1420	3		READ 3350 Teaching Reading in the Content Area	3
MATH 2120 Differential Equations	3		MATH 3070 Statistical Methods I	3
MATH 3400 Intro to Concepts of Mathematics	3		Any Upper-Division MATH Elective	3
MATH 3430 College Geometry	3		SEED 4871 Residency I	5
MATH 4010, 4050, 4350 or 4360	3		SEED 4872 Professional Seminar I	5
MATH 4610 or 4620	3		SEED 4881 Residency II	10
SEED 4122 Materials & Methods of Teaching Mathematics	3		SEED 4882 Professional Seminar II	2
SEED 4422 Teaching Secondary Mathematics using Technology	3			
Total	32		Total	28

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

7/22/11

SECONDARY EDUCATION - BIOLOGY

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
CHEM 1110, 1120	General Chemistry I, II	4	4	Humanities/Fine Arts Elective		3	0
ED 201	Foundations of Education	3	0	BIOL 1110, 1120	General Biology I, II	4	4
ENGL 1010, 1020	Composition I, II	3	3	EDPY 207	Educational Psychology	0	3
HIST 2010, 2020	United States History I, II	3	3	ENGL 2110 or 2120	American Literature I or II	3	0
MATH 1530	Intro Statistics	3	0	ENGL 2210 or 2220	English Literature I or II		
MATH 1830	Calculus for Management, Life and Social Sciences	0	3	ENGL 2410 or 2420	Lit of the Western World I or II	0	3
				GEOL 1040	Physical Geology	4	0
				SP 110	Fund. of Public Speaking	0	3
					Social/Behavioral Science Electives	3	3
	Total	16	13		Total	17	16

TENNESSEE TECHNOLOGICAL UNIVERSITY

SECONDARY EDUCATION - BIOLOGY

BACHELOR OF SCIENCE DEGREE

Advisor: Dr. , Department Chairperson

Bartoo Hall 311, Phone: (931) 372-3181

Junior Year			Senior Year		
BIOL 2010	Human Anatomy and Physiology	4	ASTR 1010 or 1020 or 1030		4-3
BIOL 3130	General Ecology	4	SEED 4871	Residency I	5
BIOL 3810	General Genetics	4	SEED 4872	Professional Seminar I	5
BIOL 3920	Biological Communication Skills	3	SEED 4881	Residency II	10
EDPY 3300	Evaluation & Guidance	3	SEED 4882	Professional Seminar II	2
FOED 3010	Integrating IT into the Classroom	3			
MATH 1710	Pre-calculus I	3			
PHYS 2010	Algebra-based Physics I	4			
READ 3350	Teaching Reading in the Content Areas	3			
SEED 4123	Materials & Methods of Teaching the Sciences	3			
	Total	36		Total	25

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

SECONDARY EDUCATION - CHEMISTRY

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
BIOL 1110, 1120	General Biology I, II	4	4	Humanities/Fine Arts Elective		3	0
ED 201	Foundations of Education	3	0	EDPY 207	Educational Psychology	0	3
ENGL 1010, 1020	Composition I, II	3	3	ENGL 2110 or 2120	American Literature I or II	3	0
HIST 2010, 2020	United States History I, II	3	3	ENGL 2210 or 2220	English Literature I or II		
MATH 1530	Intro Statistics	3	0	ENGL 2410 or 2420	Lit of the Western World I or II	0	3
Social/Behavioral Elective	Science Elective	0	3	SP 110	Fund. of Public Speaking	0	3
		0	1	CHEM 1110, 1120	General Chemistry I, II	4	4
				GEOL 1040	Physical Geology	4	0
				Social/Behavioral Science Elective		0	3
Total		16	14	Total		14	16

TENNESSEE TECHNOLOGICAL UNIVERSITY
SECONDARY EDUCATION - CHEMISTRY
BACHELOR OF SCIENCE DEGREE

Advisor: Dr. , Department Chairperson

Bartoo Hall 311, Phone: (931) 372-3181

Junior Year			Senior Year		
ASTR 1010 or 1020 or 1030		4-3	Chemistry Upper Division Elective		3
CHEM 3005 or 3010		4	SEED 4871	Residency I	5
CHEM 3500	Elements of Physical Chemistry	3	SEED 4872	Professional Seminar	5
CHEM 3410	Quantitative Analysis	4	SEED 4881	Residency II	10
CHEM 3990	Special Problems in Chemical Education I	1	SEED 4882	Professional Seminar II	2
FOED 3010	Integrating IT into the Classroom	3			
MATH 1710	Pre-calculus I	3			
MATH 1830	Concepts of Calculus	3			
PHYS 2010	Algebra-based Physics I	4			
READ 3350	Teaching Reading in the Content Areas	3			
SEED 4123	Materials & Methods of Teaching the Sciences				
	Total	34	Total		26

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

7/22/11

SECONDARY EDUCATION - EARTH SCIENCE

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
BIOL 1110, 1120 General Biology I, II	4	4	EDPY 207 Educational Psychology	0	3
ED 201 Foundations of Education	3	0	ENGL 2110 or 2120 American Literature I or II	3	0
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2210 or 2220 English Literature I or II		
HIST 2010, 2020 United States History I, II	3	3	ENGL 2410 or 2420 Lit of the Western World I or II	0	3
MATH 1530 Intro Statistics	3	0	SP 110 Fund. of Public Speaking	0	3
MATH 1830 Calculus for Management, Life and Social Sciences	0	3	Social/Behavioral Science Electives	3	3
Humanities/Fine Arts Elective	0	3	CHEM 1110 General Chemistry I	4	0
			GEOL 1040 Physical Geology	4	0
			Electives	0	2
Total	16	16	Total	14	14

TENNESSEE TECHNOLOGICAL UNIVERSITY
SECONDARY EDUCATION - EARTH SCIENCE
BACHELOR OF SCIENCE DEGREE

Advisor: Dr. , Department Chairperson
Bartoo Hall 311, Phone: (931) 372-3181

Junior Year		Senior Year	
GEOL 1045 Earth Environment, Resources & Society	4	ASTR 1010 or 1020 or 1030	4
BIOL 3130 General Ecology	4	GEOL 4810 Special Problems	1
GEOL 3230 Structural Geology and Tectonics	4	SEED 4871 Residency I	5
GEOL 3410 Paleontology or other 3000 course	4	SEED 4872 Professional seminar I	5
GEOL 4150 Geomorphology	4	SEED 4881 Residency II	10
FOED 3010 Integrating IT into the Classroom	3	SEED 4882 Professional Seminar II	2
MATH 1710 Pre-calculus I	3		
PHYS 1310 Concepts of Physics	3		
READ 3350 Teaching Reading in the Content Areas	3		
SEED 4123 Materials & Methods of Teaching the Sciences	3		
Total	35	Total	27

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

SECONDARY EDUCATION - PHYSICS

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
PHYS 2110, 2120	4	4	ART 1030 or MUS 1030	0	3
ED 201	3	0	EDPY 207	0	3
ENGL 1010, 1020	3	3	ENGL 2110 or 2120	3	0
HIST 2010, 2020	3	3	ENGL 2210 or 2220	0	3
MATH 1910, 1920	4	4	ENGL 2410 or 2420	0	3
			SP 110	0	3
			ECON 2020, GEOG 2010, POLS 1030, PSYC 1030,	3	3
			SOCI 1010 or 216	4	0
			CHEM 1110	4	0
			GEOL 1040	4	0
Total	17	14	Total	14	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

SECONDARY EDUCATION - PHYSICS

BACHELOR OF SCIENCE DEGREE

Advisor: Dr. , Department Chairperson

Bartoo Hall 311, Phone: (931) 372-3181

Junior Year	F	SP	Senior Year	F	SP
PHED Activity	1	0	BIOL 1010	4	0
MATH 2110	4	0	PHYS 1901	1	3
MATH 2120	3	0		0	1
CUED 4150	3	0	PHYS 3610	3	0
FOED 3820	1	0	PHYS 4610	3	0
FOED 3830	1	0	READ 3350	3	0
EDPY 3300	3	0	SEED 4870	5	0
FOED 3010	3	0	SEED 4880	5	0
SPED 3000	3	0	SEED 4890	2	0
SEED 4123	3	0	EXPW 2430	2	0
	3	0	Elective	1	0
PHYS 2420	3	0		0	0
PHYS 2920	3	0		0	0
Total	31	0	Total	29	0

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

7/22/11

COLLEGE OF ENGINEERING
DEPARTMENT OF CHEMICAL ENGINEERING

CHEMICAL ENGINEERING

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
CHEM 1110, 1120 General Chemistry I, II	4	4	ENGL 2110 or 20 American Literature I or II	0	3
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2210 or 20 English Literature I or II		
HIST 2010, 2020 United States History I, II ¹	3	3	ENGL 2410 or 20 Lit of the Western World I or II		
MATH 1910, 1920 Calculus I, II	4	4	MATH 2110 Calculus III	4	0
CISP 185 C++ Languages	3	0	MATH 2120 Differential Equations	0	3
DD 114 CAD Engineering Drawing I	0	3	PHYS 2110, 2120 Calculus-Based Physics I, II	4	4
Social/Behavioral Science Elective	0	3	SP 110 Fund. of Public Speaking	0	3
			Humanities/Fine Arts Elective	3	3
			Social/Behavioral Science Elective	3	0
Total	17	20	Total	14	16

TENNESSEE TECHNOLOGICAL UNIVERSITY
CHEMICAL ENGINEERING - BACHELOR OF SCIENCE DEGREE

Advisor: Pedro Arce, Department Chairperson

Prescott Hall 214, Phone: (931) 372-3297

(Recommend the advisor be contacted prior to transfer)

Junior Year²		Senior Year	
CHE 2011 Chemical & Biological Engineering Process Analysis	4	CHE 4131 Transfer Science III: Diffusion and Diffusive-Convective Mass Transfer	4
CHE 1510 Computer Applications in CHE	1	CHE 4210 Chemical Reaction Engineering	4
CHE 3730 CHE Operations	3	CHE 4240 Chemical Engineering Capstone Lab	1
CHE 3010 Thermodynamics of Chemical Processes	3	CHE 4540 Process Dynamics & Control	3
CHE 3021 Separations and Solution Thermodynamics	4	CHE 4410, 4420 Process Design I, II	6
CHE 3111 Transfer Science I: Conduction, Radiation, and Diffusion	4	ChE Technical Electives ⁴	6
CHE 3121 Transfer Science II: Fluid Mechanics	4	CHE 4910 Professionalism and Ethics in CHE	1
CHEM 3010, 3020 Organic Chemistry	8	CHEM 3510, 3520 Physical Chemistry	8
CEE 2100, ECE 3810 or BIOL 3200	3		
Technical Elective ³	3		
Total	37	Total	33

¹HIST 2010 and 2020 United States History are not required for the Bachelor of Science degree in Chemical Engineering.

²Students must apply to the CHE Fast-Track MS program by the end of their second junior term.

³Three hours of Technical Electives can be from any of the following courses:

- a. Any College of Engineering course at the 3000 or 4000 level.
- b. Any BIOL/CHEM/MATH/PHYS at the 3000 or 4000 level.
- c. CEE 2100
- d. Any course with the prior approval of the ChE Undergraduate Program Coordinator.
- e. Note that CEE 2100, BIOL 3200 and ECE 3810 cannot count both as a Technical Elective and as part of the CEE 2100/ECE 3810/BIOL 3200 option.

⁴Three hours of ChE Technical Electives must come from one of the following courses:

- a. ChE 4330--Polymer Engineering
- b. ChE 4661--Transport in Biochemical and Biological Processes
- c. ChE 4950--MEMS
- d. ChE 4990--Undergraduate Research

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

7/22/11

DEPARTMENT OF MANUFACTURING AND INDUSTRIAL TECHNOLOGY

INDUSTRIAL TECHNOLOGY

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
CHEM 1010 or 1110		4	0	ECON 2020	Microeconomics	0	3
CISP 185	C++ Language I	0	3	ENGL 2110 or 20	American Literature I or II	0	3
ENGL 1010, 1020	Composition I, II	3	3	ENGL 2210 or 20	English Literature I or II		
MATH 1710, 1720	Pre-calculus I, II	3	4	ENGL 2410 or 20	Lit of the Western World I or II		
DD 114	CAD Engineering Drawing I	3	0	HIST 2010, 2020	United States History I, II	3	3
MD 184	Mfg. Processes	0	3	MATH 1910	Calculus I	4	0
Humanities/Fine Arts Electives		3	3	PHYS 2010, 2020 or 2110, 2120		4	4
				PSYC 1030	General Psychology	3	0
				SP 110	Fund. of Public Speaking	0	3
Total		16	16	Total		14	16

TENNESSEE TECHNOLOGICAL UNIVERSITY

MANUFACTURING AND INDUSTRIAL TECHNOLOGY - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Ahmed Elsayy, Department Chairperson

Lewis Hall 107, Phone: (931) 372-3263

(Recommend the advisor be contacted prior to transfer)

Junior Year			Senior Year		
MIT 2000	Occupational Safety	2	ACCT 3720	Survey of Accounting	3
MIT 2063	Metal Manufacturing Technology	3	BMGT 3510	Management & Organization Behavior	3
MIT 2400	Statics and Strength of Materials	3	Business Elective ¹		3
ECON 3610	Business Statistics I	3	DS 3520	Operations Management	3
ME 3110	Physical Metallurgy & Heat Treatment	3	MIT 3403	Machine Elements for Technologists	3
MIT 3060	CNC Machining Practices	3	MIT 4200	Industrial Electronics	3
MIT 3130	Maintenance Technology I	3	MIT 4310	Plant Layout & Materials Handling	3
MIT 3200	Applied Electricity and Electronics	3	MIT 4610	Engineering Technology Seminar	1
MIT 3301	Cad for Technology	2	MIT 4620	Senior Projects	3
MIT 3700	Manufacturing Cost Estimating	2	Technical Elective ²		6
MIT 3710	Methods Design and Work				
	Measurement	2			
MIT 3730	Quality Assurance	2			
Total		31	Total		31

¹Business Electives: BMGT 3630, BMGT 4520, DS 2810, DS 3620, DS 3540, ECON 2020, FIN 3210, LAW 3810 or MKT 3400.

²Technical Electives: MIT 3010, 3080, 3460, 3560, 4010, 4060, 4140, 4210, 4220, 4300, 4400, 4430, 4450, 4500, 4990; ECE 3835 and ME 4430.

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

ARMY ROTC

RESERVE OFFICERS TRAINING CORPS

OBJECTIVE

The objective of the Reserve Officers' Training Corps (ROTC) is to prepare selected students to serve as officers in the Army Reserve, Army National Guard, and Active Army.

ENROLLMENT REQUIREMENTS

The general requirements for enrollment in ROTC are:

1. Be a citizen of the United States,
2. Physically and mentally qualified,
3. Accepted by the university as a full-time student,
4. Morally qualified,
5. For non-ROTC scholarship students, complete graduation requirements prior to reaching age 28, and
6. For ROTC scholarship students, complete graduation requirements prior to reaching age 25.

TWO-YEAR ROTC PROGRAMS

There are two options available to students who transfer from institutions without ROTC programs:

Option 1: Students will attend the ROTC Leaders Training Course (LTC) at Fort Knox, Kentucky. (In order to attend LTC, students need the permission of the Professor of Military Science at the school they will attend.) After LTC, students enroll in the ROTC Advanced Course as Military Science (MS) III's and take the MS III courses for two semesters. The following summer, students attend Leader Development and Assessment Course (LDAC). The next school year, they enroll as MS IV's for two semesters and receive a commission as a Second Lieutenant upon graduation.

Option 2: Students who have completed basic training with any military service of the United States, or have attended one of the United States Service Academies for at least one year, will receive credit for the ROTC Basic Course and will not have to attend LTC. These students will begin ROTC as MS III's. They will attend LDAC the following year, enroll as MS IV's and be commissioned upon graduation. Students who have had four years of ROTC in high school can, at the discretion of the Professor of Military Science, be given placement credit for the basic course and will enter as MS III's without attending LTC.

FINANCIAL AID

Students who attend institutions that do not have ROTC are eligible to apply for the ROTC two-year scholarships before attending LTC. The scholarship will pay Fall & Spring Semester tuition, selected fees, and a book allowance. All students enrolled in the ROTC Advanced Course and all scholarship students receive a monthly subsistence allowance during the school year. Students are also paid for the period of their attendance at the Leader's Training Course (LTC) and the Leader Development Assessment Course (LDAC).

COMMISSIONING REQUIREMENTS

In order to receive commissions, students must meet Tennessee Tech graduate requirements, complete required ROTC courses, meet the Army height/weight requirements, and pass the Army Physical Fitness Test.

7/22/11

INDEX
(Alphabetized by College)

College of Business	
Department of Economics, Finance and Marketing	
Finance	1
Marketing	2
College of Education	
Admission to Teacher Education	3
Department of Curriculum and Instruction	
Multidisciplinary Studies: Elementary Education (K-6)	5
Multidisciplinary Studies: Middle School (4-8)	6
Secondary Education Mathematics	7
Secondary Education Biology	8
Secondary Education Chemistry	9
Secondary Education Earth and Space Science	10
Secondary Education Physics	11
Department of Exercise Science, Physical Education and Wellness	
Exercise Science: Licensure (K-12)	4
College of Engineering	
Department of Chemical Engineering	12
Department of Electrical and Computer Engineering	13
Department of Industrial Technology	14
ROTC.	15

INDEX

(Alphabetized by Major)

Chemical Engineering	12
Computer Engineering	13
Exercise Science: Licensure (K-12).....	4
Finance.	1
Industrial Technology	14
Marketing	2
Multidisciplinary Studies: Elementary Education (K-6)	5
Multidisciplinary Studies: Middle School (4-8).....	6
ROTC	15
Secondary Education Mathematics	7
Secondary Education Biology	8
Secondary Education Chemistry	8
Secondary Education Earth and Space Science	10
Secondary Education Physics	11