TRANSFER AGREEMENT 2016-17

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	į
Admission Standards	i
Application	i
Expenses	i
Scholarship Information	į
Undergraduate Colleges and Departments	ii
Questions Directory	ii
College of Education	1
College of Engineering	7
Army ROTC	10
Index	11

Transfer Agreement Policies

- This publication is a transfer agreement between Chattanooga State Community College and Tennessee Technological University.
- The current edition of this publication will be in effect for six years from the time a student becomes regularly admitted at Chattanooga State.
- 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.
- 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.
- 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

- Apply online at www.tntech.edu/transfer. Application priority deadlines for desired terms: [Fall = Aug. 1, Spring = Dec. 1, Summer = May 1]
- Pay the \$25 application fee (if you've never paid it before). You can pay at the end of the application or online at www.tntech.edu/payapplicationfee.
- Request ALL official transcripts be sent to TTU
 Admissions as soon as possible (including terms
 in progress). Make sure that you have final grades
 sent, as well, once they are posted. Please send
 to the mailing address listed below.
- The grade point average (GPA) used for Admissions purposes will include grades earned at all previous institutions.
- Students who have NOT earned 24 hours of transferrable work should also submit a high school transcript or GED scores (along with ACT and/or SAT scores). Students who have not successfully completed college-level Math or English courses must follow COMPASS testing guidelines.

- 6. Applicants will be notified of their admissions 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. Admission decisions will be mailed to the address provided by the student. You may also check your application status by logging back into your application.
- Once accepted, your transcript evaluation will be able to be viewed. Only the credit, and not the grade, will transfer for academic and graduation purposes. Check out www.tntech.edu/transfer for your next steps (setting up student email, applying for housing, proper health forms, advisement, orientation, etc.)
- All non-commuting, single freshmen must live in university housing. Please visit www.tntech.edu/ reslife (or call 931-372-3414) for more information.

Physical Address:Mailing Address: Admissions Office TTU Admissions Office Derryberry Hall (Room 209)P.O. Box 5006 1 William L. Jones Dr. Cookeville, TN 38505 Cookeville, TN 38505

Contact Information: Phone: (931) 372-3888 Toll Free: (800) 255-8881 admissions@tntech.edu M-F 8:00am-4:30pm (CT)

To schedule a date to visit TTU, please sign up at www.tntech.edu/visit.

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 Agriculture and Human Ecology

School of Agriculture School of Human Ecology

College of Arts and Sciences

Biology Chemistry Communication Earth Sciences English

Foreign Languages
History
Mathematics
Physics

Sociology and Political Science

College of Business

Accounting
Decision Sciences and Management
Economics, Finance and Marketing

College of Education

Art, Craft and, Design
Appalachian Center for Crafts
Counseling and Psychology
Curriculum and Instruction

Exercise Science, Physical Education & Wellness

Music

College of Engineering

Chemical Engineering
Civil and Environmental Engineering
Computer Science
Electrical and Computer Engineering

Mechanical Engineering

Mechanical Engineering

Manufacturing and Engineering Technology

College of Interdisciplinary Studies

School of Nursing

Questions? Contact:

Academic Records	Registrar, 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	•	
Agriculture and Human Ecology	Dean's Office	372-3149
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
Student Success Center	T.J. Farr Building 202	372-6036
Engineering	Dean's Office, Clement Hall 201	372-3172
Interdisciplinary Studies	Dean's Office Southwest Hall 146	372-3394
School of Nursing	Advisors, Nursing and Health Services Building 208	372-3229
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
Student Government	Student Organizations Office, University Center 234	372-3236
Student Organizations	Student Organizations Office, University Center 234	372-3236
Office of Teacher Education	College of Education, T.J. Farr 103	372-3170
Veteran Certification	Registrar, Derryberry Hall 102	372-3317

COLLEGE OF EDUCATION

Admission to the Teacher Education Program for Undergraduate Students

The undergraduate admission process applies to students pursuing a bachelor's degree and transfer students that received the AS (Associate of Science) or AAS (Associate of Applied Science) Degree from a community college. Students fitting this category receive full admission to the Teacher Education Program upon meeting the following requirements at the link below:

https://www.tntech.edu/education/teachered/admission-to-tep/undergraduate-requirements-for-admission-to-the-teacher-education-program

All requirements for admission to the Teacher Education Program must be completed by the designated deadline. Students will not be allowed to enroll in any upper division professional education courses without obtaining full admission to the program. A detailed list of requirements, deadlines, and links to all required forms can be found at the above link. Forms cannot be submitted online without a TNumber.

Upon admission to the Teacher Education Program, students will then begin to prepare and submit requirements for their Field and Clinical Practice (Residency or Student Teaching experience). More detailed information on Field and Clinical Practice requirements and deadlines can be found here: https://www.tntech.edu/education/teachered/field-and-clinical-practice/

Admission to the Teacher Education Program for Students with an AST Degree

Students who completed the AST (Associate of Science in Teaching) Degree through a community college will have completed some requirements previously in order to obtain their AST degree. In order to complete full admission to the Teacher Education Program at Tennessee Tech University students must show proof of having been awarded the AST Degree (this will be listed on official transcripts) and meet the requirements listed at the link below:

https://www.tntech.edu/education/teachered/admission-to-tep/ast-degree-requirements-for-admission-to-the-teacher-education-program

All requirements for admission to the Teacher Education Program must be completed by the designated deadline. Students will not be allowed to enroll in any upper division professional education courses without obtaining full admission to the program. A detailed list of requirements, deadlines, and links to all required forms can be found at the above link. Forms cannot be submitted online without a TNumber.

Upon admission to the Teacher Education Program, students will then begin to prepare and submit requirements for their Field and Clinical Practice (Residency or Student Teaching experience). More detailed information on Field and Clinical Practice requirements and deadlines can be found here: https://www.tntech.edu/education/teachered/field-and-clinical-practice/

Teacher Education candidates may be required to meet revisions in various curricula necessitated by changing standards of the Council for Accreditation of Educator Preparation (CAEP) or by requirements of the Tennessee State Board of Education and teacher licensure.

All forms and detailed information regarding progression through the Teacher Education Program at Tennessee Tech University can be found at: www.tntech.edu/education/teachered

MULTIDISCIPLINARY STUDIES: ELEMENTARY EDUCATION (K-5)

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE IN TEACHING

Freshman Yea	r	F	SP	Sophomore Yea	ar	F	SP
ART 1030 or M	JS 1030	3	0	BIOL 1310	Integrated Biology	3	0
CHEM 1310	Integrated Chemistry	0	3	ECED 2360	Development of Exceptional		
ED 201	Foundations of Education	3	0		Children	0	3
ENGL 1010, 10	20Composition I, II	3	3	ED 203	Child and Adolescent Develo	pmen	t
MATH 1410	Structure of Number				in the Classroom	3	0
	Systems I	0	3	ENGL Literature	General Eduction Elective	3	3
MATH 1530	Introductory Statistics	3	0	GEOG 2010	World Regional Geography	0	3
PHYS 1310	Integrated Physics	3	0	HIST 2010, 2020	OUnited States History I, II	3	3
POLS 1030 or 5	SOCI 1010 American Governr	nent O	R	MATH 1420	Structure of Number		
	Introduction to Sociology	0	3		Systems II	3	0
SPCH 1010	Fund. of Speech			PSCI 1310	Integrated Earth &		
	Communication	0	3		Space Science	3	0
	Total	15	15		Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

MULTIDISCIPLINARY STUDIES: ELEMENTARY EDUCATION (K-5 LICENSURE) -

BACHELOR OF SCIENCE DEGREE

Advisor: College of Education Student Success Center

T.J. Farr 202, Phone: (931) 372-6036

Junior Year			Senior Year		
ARED 3200	Art Applications	1	ELED 4871	Residency I	5
CUED 4700	Educational Data and Assessment	2	ELED 4872	Professional Seminar I	5
ECSP 4100	Developmentally Appropriate		ELED 4881	Residency II	10
	Practices: K-4	3	ELED 4882	Professional Seminar II	2
ELED 3140	Teaching of Social Studies	2	CUED 4800	Student Engagement	3
ELED 3152	Teaching of Mathematics	3			
ELED 4142	Teaching of Science	3			
ESLP 4100	ESL Methodology and Materials				
	for PreK-12	3			
FOED 3010	Integrating IT into the Classroom	3			
FOED 3800, 38	10				
	Field Experiences in Education	4			
MUS 3540	Music Applications	1			
READ 3311	Literacy I	7			
SPED 3000	Teaching Persons with Disabilities				
	in the Regular Classroom	3			
	Total	35		Total	25

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

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

SECONDARY EDUCATION - BIOLOGY

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Yea	r	F	SP	Sophomore Ye	ear	F	SP
CHEM 1110	General Chemistry I	4	0	Humanities/Fin	e Arts Elective	3	0
ED 201	Foundations of Education	3	0	BIOL 1110, 112	0 General Biology I, II	4	4
ENGL 1010, 10	20Composition I, II	3	3	EDPY 207	Educational Psychology	0	3
HIST 2010, 202	20United States History I, II	3	3	ENGL 2110 or 2	2120American Literature I or II	3	0
MATH 1530	Intro Statistics	3	0	ENGL 2210 or	2220English Literature I or II		
Social/Behavio	ral Science Electives	0	6	ENGL 2410 or	2420Lit of the Western		
Elective		0	2		World I or II	0	3
				GEOL 1040	Physical Geology	4	0
				MATH 1710	Pre-calculus I	0	3
				SPCH 1010	Fund. of Speech Comm.	0	3
	Total	16	14		Total	14	16

TENNESSEE TECHNOLOGICAL UNIVERSITY SECONDARY EDUCATION - BIOLOGY BACHELOR OF SCIENCE DEGREE

Advisor: College of Education Student Success Center T.J. Farr 202, Phone: (931) 372-6036

Junior Year			Senior Year		
BIOL 2010	Human Anatomy and Physiology	4	SEED 4871	Residency I	5
BIOL 2110	General Botany	4	SEED 4872	Professional Seminar I	5
BIOL 3130	General Ecology	4	SEED 4881	Residency II	10
BIOL 3140	Cellular Biology	4	SEED 4882	Professional Seminar II	2
BIOL 3810	General Genetics	4	SPED 3000	Teaching Persons with Disabilities	
FOED 3010	Integrating IT into the Classroom	3		in the Regular Classroom	3
FOED 3820	Field Experience in Education	2		-	
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	35		Total	25

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

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

SECONDARY EDUCATION - CHEMISTRY

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
BIOL 1010, 1020Intro to 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, 1020Composition I, II	3	3	ENGL 2110 or 2120American Literature I or II	3	0
HIST 2010, 2020United States History I, II	3	3	ENGL 2210 or 2220English Literature I or II		
MATH 1530 Intro Statistics	3	0	ENGL 2410 or 2420Lit of the Western		
Social/Behavioral Science Elective	0	3	World I or II	0	3
Elective	0	1	SPCH 1010 Fund. of Speech Comm.	0	3
			CHEM 1110, 1120General 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: College of Education Student Success Center T.J. Farr 202, Phone: (931) 372-6036

Junior Year			Senior Year		
ASTR 1010 or 1	020 or 1030	4-3	SEED 4871	Residency I	5
CHEM 3005 or	3010	4	SEED 4872	Professional Seminar I	5
CHEM 3410	Quantitative Analysis	4	SEED 4881	Residency II	10
CHEM 3500	Elements of Physical Chemistry	3	SEED 4882	Professional Seminar II	2
FOED 3010	Integrating IT into the Classroom	3	SPED 3000	Teaching Persons with Disabilities	
FOED 3820	Field Experiences in Education	2		in the Regular Classroom	3
MATH 1710	Pre-calculus I	3			
MATH 1830	Applied 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	3			
	Total	35		Total	25

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

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

SECONDARY EDUCATION - EARTH SCIENCE

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
BIOL 1010, 1020 Intro to Biology I, II	4	4	EDPY 207 Educational Psychology	0	3
ED 201 Foundations of Education	3	0	ENGL 2110 or 2120American Literature I or II	3	0
ENGL 1010, 1020Composition I, II	3	3	ENGL 2210 or 2220English Literature I or II		
HIST 2010, 2020United States History I, II	3	3	ENGL 2410 or 2420Lit of the Western		
MATH 1530 Intro Statistics	3	0	World I or II	0	3
MATH 1830 Calculus for Management,			SPCH 1010 Fund. of Speech Comm.	0	3
Life and Social Sciences	0	3	Social/Behavioral Science Electives	3	3
Humanities/Fine Arts Elective	0	3	GEOL 1040 Physical Geology	4	0
			ASTR 1010 or 1020 or 1030	4	0
			MATH 1710 Pre-calculus I	0	3
Total	16	16	Total	14	15

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

Advisor: College of Education Student Success Center T.J. Farr 202, Phone: (931) 372-6036

Junior Year			Senior Year		
GEOL 1045	Earth Environment, Resources		SEED 4871	Residency I	5
	& Society	4	SEED 4872	Professional seminar I	5
BIOL 3130	General Ecology	4	SEED 4881	Residency II	10
GEOL 3230	Structural Geology and Tectonics	4	SEED 4882	Professional Seminar II	2
GEOL 3410	Paleontology or other 3000 course	4	SPED 3000	Teaching Persons with Disabilities	
GEOL 4150	Geomorphology	4		in the Regular Classroom	3
GEOL Upper-D	vision Elective	3			
FOED 3010	Integrating IT into the Classroom	3			
FOED 3820	Field Experiences in Education	2			
READ 3350	Teaching Reading in the Content				
	Areas	3			
SEED 4123	Materials & Methods of Teaching				
	the Sciences	3			
Elective		1			
	Total	35		Total	25

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

The student may be required to meet revisions in the various curricula necessitated by changing standards of the National Council for Accreditation of Teacher Education or by requirements of the State Board of Education for teacher

SECONDARY EDUCATION - MATHEMATHICS

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
Science Sequence	4	4	Humanities/Fine Arts Elective	3	0
ED 201 Foundations of Education	3	0	ENGL 2110 or 2120American Literature I or II	3	0
ENGL 1010, 1020Composition I, II	3	3	ENGL 2210 or 2220English Literature I or II		
HIST 2010, 2020United States History I, II	3	3	ENGL 2410 or 2420Lit of the Western		
MATH 1910, 1920Calculus w/Analytic			World I or II	0	3
Geometry I, II	4	4	MATH 2010 Linear Algebra	3	0
• '			MATH 2110 Calculus w/Analytic		
			Geometry III	0	4
			MATH 2120 Differential Equations	0	3
			SPCH 1010 Fund. of Speech Comm.	0	3
			Social/Behavioral Science Electives	3	3
			PHED Activity	1	0
Total	17	14	Total	14	16

TENNESSEE TECHNOLOGICAL UNIVERSITY SECONDARY EDUCATION - MATHEMATICS BACHELOR OF SCIENCE DEGREE

Advisor: College of Education Student Success Center T.J. Farr 202, Phone: (931) 372-6036

Junior Year FOED 3010 FOED 3820 MATH 3070	Integrating IT into the Classroom Field Experiences in Education Statistical Methods I	3 2 3	Senior Year SEED 4322 SEED 4871	Teaching Algebra in Middle/H School Residency I	3 5
MATH 3400 MATH 3430	Intro to Concepts of Mathematics College Geometry	3	SEED 4872 SEED 4881	Professional Seminar I Residency II	5 10
	050, 4350 or 4360 Numerical Analysis I	3	SEED 4882 SPED 3000	Professional Seminar II Teaching Persons with	2
MATH 4610 or 4620		3	0. 25 0000	Disabilities in the Regular Cla	ssroom 3
READ 3350	Teaching Reading in the Content Area	3		Ç	
SEED 4122	Materials & Methods of Teaching Mathematics	3			
SEED 4422	Teaching Secondary Mathematics using Technology	3			
	Total	32		Total	28

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, 1120General Chemistry I, II	4	4	ENGL 2110 or 20American Literature I or II	0	3
ENGL 1010, 1020Composition I, II 3		3	ENGL 2210 or 20English Literature I or II		
HIST 2010, 2020 United States History I, II ¹ 3 3		3	ENGL 2410 or 20Lit of the Western World I or	II	
MATH 1910, 1920Calculus I, II	4	4	MATH 2110 Calculus III	4	0
CISP 185 C++ Languages	3	0	MATH 2120 Differential Equations	0	3
ENGR 2110 Statics	0	3	PHYS 2110, 2120Calculus-Based Physics I, II	4	4
Social/Behavioral Science Elective		3	SPCH 1010 Fund. of Speech Comm.	0	3
			Humanities/Fine Arts Electives	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 Year ²			Senior Year		
CHE 1510	Intro to Chemical and Biological		CHE 4131	Transfer Science III: Diffusion and	
	Process and Scaling I	3		Diffusive-Convective Mass Transfer	4
CHE 2020	Intro to Chemical & Biological		CHE 4210	Chemical Reaction Engineering	4
	Process Analysis and Scaling II	3	CHE 4240	Chemical Engineering Capstone	
CHE 3730	CHE Operations	3		Project	1
CHE 3010	Thermodynamics of Chemical		CHE 4540	Process Dynamics & Control	3
	Processes	3	CHE 4410, 442	20 Process Design I, II	6
CHE 3021	Separations and Solution		ChE Technical	Electives ³	6
	Thermodynamics	4	CHE 4910	Professionalism and Ethics in CHE	1
CHE 3111	Transfer Science I	4	CHEM 3510, 3	520Physical Chemistry	8
CHE 3121	Transfer Science II	4		•	
CEE 2110, ECE	3810 or BIOL 3200	3-4			
CHEM 3010, 30	020Organic Chemistry I, II	8			
Technical Elect	ive ³	3			
	Total	38-39		Total	33

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

- 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.

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

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:

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

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

COMPUTER ENGINEERING

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020Composition I, II	3	3	ENGL 2110 or 2120 American Literature I or II	0	3
MATH 1910, 1920Calculus I, II	4	4	ENGL 2210 or 2220 English Literature I or II		
CHEM 1110 General Chemistry I	4	0	ENGL 2410 or 2420 Lit of the Western World I	or II	
Humanities/Fine Arts Electives	3	3	HIST 2010, 2020 United States History I, II ¹	3	3
Social/Behavioral Science Elective	3	3	MATH 2010 Linear Algebra	3	0
			MATH 2120 Differential Equations	0	3
			PHYS 2110, 2120Calculus-Based Physics I, II	4	4
			SPCH 1010 Fund. of Speech Comm.	0	3
			Social/Behavioral Science Elective	3	0
			CISP 1010 Computer Science I	3	0
			CISP 185 C++ Language I	0	3
Total	17	13	Total	16	16

TENNESSEE TECHNOLOGICAL UNIVERSITY COMPUTER ENGINEERING - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Charles Carnal, Faculty Advisor
Brown Hall 217, CharlesLC@tntech.edu
(Recommend the advisor be contacted prior to transfer)

Third Year			Fourth Year		
CSC 2110	Data Structures and Algorithms	3	ECE 3010	Signals & Systems	3
CSC 2111	Data Structures and Algorithms Lab	1	ECE 3020	Discete-Time Signals and Systems	3
ECE 2001	Computer Aided Engineering in ECE	1	ECE 3060	EE Lab II	1
ECE 2010	Electric Circuits I	3	ECE 3300	Electronics I	3
ECE 2011	EE Lab I	1	ECE 3160	Digital Systems Lab	1
ECE 2110	Intro to Digital Systems	3	ECE 3130	Microcomputer Systems	4
ECE 2020	Electric Circuits II	3	ECE 3920	Professional Issues in ECE	1
MATH 2110	Calculus III	4	CSC 2400	Design of Algorithms	3
MATH 3470	Intro Probability and Statistics	3	CSC 2500	Unix Lab	1
			CSC 4200	Computer Networks	3
	Total	22		Total	23
Fifth Year		_			
	Capstone Design I, II	6			
ECE 4110	Digital System Design	3			
ECE 4120	Fundamentals of Computer Design	3			
ECE 4140	Embedded System Design	3			
EE Lab Elective	2	2			
EE Elective ²		3			
CmpE Engr. Ele	ctive ²	3			
CSC 4100	Operating Systems	3			
CS Elective ²		3			
	Total	29			

¹HIST 2010 and 2020 United States History are not required for the Bachelor of Science degree in Computer Engineering. ²Select from the ECE Department approved list.

DEPARTMENT OF MANUFACTURING AND ENGINEERING TECHNOLOGY

ENGINEERING TECHNOLOGY

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Ye	ar	F	SP	Sophomore Year	F	SP
CHEM 1010 o	r 1110	4	0	ECON 2010 or 2020		3
CISP 185	C++ Language I	0	3	ENGL 2110 or 20American Literature I or II	0	3
ENGL 1010, 1020Composition I, II		3	3	ENGL 2210 or 20English Literature I or II		
MATH 1710, 1720Pre-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	PHYS 2010, 2020 or 2110, 2120	4	4
Humanities/Fine Arts Electives		3	3	PSYC 1030 General Psychology	3	0
				SPCH 1010 Fund. of Speech Comm.	0	3
	Total	16	16	Total	10	16

TENNESSEE TECHNOLOGICAL UNIVERSITY

ENGINEERING TECHNOLOGY - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Ahmed Elsawy, Department Chairperson Lewis Hall 107, Phone: (931) 372-3263 (Recommend the advisor be contacted prior to transfer)

Junior Year			Senior Year		
ECON 3610	Business Statistics I	3	ACCT 3720	Survey of Accounting	3
MET 3100 or M	E 3110	3	BMGT 3510	Management & Organization	
MATH 1845	Technical Calculus	3		Behavior	3
MET 2000	Occupational Safety	2	Business Electiv	ve ¹	3
MET 2063	Metal Manufacturing Technology	3	DS 3520	Operations Management	3
MET 2400	Statics and Strength of Materials	3	MET 4200	Industrial Electronics	3
MET 3000	Principles of Metal Casting	2	MET 4310	Plant Layout & Materials Handling	3
MET 3130	Maintenance Technology I	3	MET 4615	Engineering Technology Ethics and	
MET 3200	Applied Electricity and Electronics	3		Professionalism	1
MET 3301	CAD for Technology	2	MET 4620	Senior Projects	3
MET 3700	Manufacturing Cost Estimating	2	Area of Emphas	sis ²	9
MET 3710	Methods Design and Work				
	Measurement	2			
MET 3730	Quality Assurance	2			
	Total	36		Total	31

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

Emphasis I - Manufacturing Engineering Technology

MET 3060 and select 2 courses from: MET 3010, MET 3080, MET 3460, MET 3560, MET 4010, MET 4060, MET 4140, MET 4210, MET 4220, MET 4300, MET 4400, MET 4450, MET 4500, MET 4550, MET 4600, MET 4650, MET 4990; ESS 3710

Emphasis II - Technology Management

Select 3 courses from: BMGT 3630, BMGT 4520, DS 3620, DS 3540, FIN 3210, LAW 3810, MET 4010, MET 4430, MKT 3400, PSY 3400.

²Select one of the following emphases:

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 IVs 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.

INDEX (Alphabetized by College)

College of Education	
Admission to Teacher Education	1
Department of Curriculum and Instruction	
Multidisciplinary Studies: Elementary Education (K-5)	2
Secondary Education Biology	3
Secondary Education Chemistry	
Secondary Education Earth Science	
Secondary Education Mathematics	
College of Engineering	
Department of Chemical Engineering	7
Department of Electrical and Computer Engineering	
Department of Manufacturing and Engineering Technology	
ROTC	

INDEX (Alphabetized by Major)