

TRANSFER AGREEMENT

2019-20

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.

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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 and prerequisite course requirements for the major of your choice for additional information.

Application

1. Apply online at www.tntech.edu/apply. Application priority deadlines for desired terms: [Fall = Aug. 1, Spring = Dec. 1, Summer = May 1]
2. 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. If you are applying for Summer Term 2018 or later, you will log back into your application to pay the fee.
3. 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.
4. The grade point average (GPA) used for Admissions purposes will include grades earned at all previous institutions.
5. Students who have NOT earned 24 hours of transferable 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 ACCUPLACER 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 e-mailed to the address provided by the student. You may also check your application status by logging back into your application.
7. 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.)
8. All non-commuting, single freshmen must live in university housing. Please visit www.tntech.edu/reslife (or call 931-372-3414) for more information.

Mailing Address:

**TTU Admissions Office
P.O. Box 5006
Cookeville, TN 38505**

Physical Address:

**Admissions Office
Jere Whitson (208)
805 Quadrangle
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 www.tntech.edu/scholarships/. The scholarship deadline date is December 15 for the next academic year. But, additional dates are applicable for transfer students. For more information, please visit www.tntech.edu/tsapp.

Undergraduate Colleges and Departments

College of Agriculture and Human Ecology

School of Agriculture
School of Human Ecology

College of Arts and Sciences

Biology
Chemistry
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

Counseling and Psychology
Curriculum and Instruction
Exercise Science, Physical Education & Wellness

College of Engineering

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

College of Fine Arts

Art, Craft, and Design
Music

College of Interdisciplinary Studies

Communication
School of Environmental Studies
School of Interdisciplinary Studies
School of Professional Studies

Whitson-Hester School of Nursing

Questions? Contact:

Academic Records	Registrar, Jere Whitson 221	372-3317
Admissions	Admissions Office, Jere Whitson 208	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
Student Success Center	Clement Hall 206	372-3833
Interdisciplinary Studies	Dean's Office Southwest Hall 146	372-3394
Student Success Center	Dean's Office, Southwest Hall 146	372-6238
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, Jere Whitson	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	Military and Veterans Affairs Jere Whitson	372-3503

COLLEGE OF EDUCATION

OFFICE OF TEACHER EDUCATION

Admission to the Teacher Education Program for Undergraduate Students with an AS or AAS Degree

The undergraduate admission process applies to students pursuing a bachelor's degree and transfer students that received an AS or AAS Degree from a community college. Students fitting this category receive full admission to the Teacher Education Program upon meeting the requirements listed at the link below in the Undergraduate Requirements Section: <https://www.tntech.edu/education/teachered/admission.php>

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 T Number (TTU student ID number).

Upon admission to the Teacher Education Program and completion of upper division coursework, students will prepare and submit requirements for the Field and Clinical Practice (Residency or Student Teaching experience). More detailed information on Field and Clinical Practice requirements and deadlines can be found at the link below: <https://www.tntech.edu/education/teachered/field-clinical.php>

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

Students who completed the AST (Associate Science in Teaching) Degree through a community college will have completed some teacher education admission 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 in the AST Degree Requirements section: <https://www.tntech.edu/education/teachered/admission.php>

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 T Number (TTU student ID number).

Upon admission to the Teacher Education Program and completion of upper division coursework, students will prepare and submit requirements for the Field and Clinical Practice (Residency or Student Teaching experience). More detailed information on Field and Clinical Practice requirements and deadlines can be found at the link below: <https://www.tntech.edu/education/teachered/field-clinical.php>

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

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.

ELEMENTARY EDUCATION (K-5)

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE IN TEACHING

Freshman Year		F	SP	Sophomore Year		F	SP
BIOL 1510	Environmental Science 1	0	4	ART 1035 or MUS 1030		0	3
CSED 1000	College Success for Ed	3	0	BIOL 1010	Introduction to Biology	4	0
ED 201	Foundations of Education	3	0	ECED 2360	Development of Exceptional Children	0	3
ENGL 1010, 1020	Composition 1, 2	3	3	ED 203	Child and Adolescent Development in the Classroom	3	0
MATH 1410	Number Concepts for Teachers	0	3	ENGL Literature	General Education Elective	3	3
MATH 1530	Introductory Statistics	3	0	GEOG 2010	World Regional Geography	0	3
POLS 1030 or SOCI 1010	American Government OR Introduction to Sociology	0	3	HIST 2010, 2020	Early, Modern US History	3	3
COMM 2025	Fundamentals of Communication	0	3	MATH 1420	Geometry Concepts for Teachers	3	0
PSCI 1030	Survey of Physical Science	4	0				
	Total	16	16		Total	16	15

TENNESSEE TECHNOLOGICAL UNIVERSITY 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		
CUED 4700	Educational Data and Assessment	2	ELED 4871	Residency I	5
ECSP 4100	Developmentally Appropriate Practices: K-4	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 II	2
ELED 4142	Teaching of Science	3	CUED 4800	Student Engagement	3
ESLP 4100	ESL Methodology and Materials for PreK-12	3			
FOED 3010	Integrating IT into the Classroom	3			
FOED 3800, 3810	Field Experiences in Education	4			
READ 3311	Literacy I	7			
SPED 3000	Teaching Persons with Disabilities in the Regular Classroom	3			
Elective		2			
	Total	35		Total	25

Students must complete 50 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

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SECONDARY EDUCATION - BIOLOGY

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
CHEM 1110	General Chemistry I	4	0	Humanities/Fine Arts Elective		3	3
ED 201	Foundations of Education	3	0	BIOL 1110, 1120	General Biology I, II	4	4
ENGL 1010, 1020	Composition I, II	3	3	EDUC 2210	Educational Psychology	0	3
HIST 2010, 2020	Early, Modern US History	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		
Social/Behavioral Science Electives		0	6	ENGL 2410 or 2420	Lit of the Western World I or II		
Elective		0	2	GEOL 1040	Physical Geology	4	0
				MATH 1710	Precalculus Algebra	0	3
				COMM 2025	Fundamentals of Communiation	0	3
Total		16	14	Total		14	16

TENNESSEE TECHNOLOGICAL UNIVERSITY
 SECONDARY EDUCATION - BIOLOGY
 BACHELOR OF SCIENCE IN EDUCATION 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 I	4	SEED 4871	Residency I	5
BIOL 2310	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 in the Regular Classroom	3
FOED 3010	Integrating IT into the 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 50 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 1010, 1020	Intro to Biology,				Humanities/Fine Arts Elective	3	3
	Diversity of Life	4	4	EDUC 2210	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	Early, Modern US History	3	3	ENGL 2410 or 2420	Lit of the Western		
MATH 1530	Intro Statistics	3	0		World I or II		
Social/Behavioral Science Elective		0	3	COMM 2025	Fundamentals of		
Elective		0	1		Communication	0	3
				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 IN EDUCATION
Advisor: College of Education Student Success Center
T.J. Farr 202, Phone: (931) 372-6036

Junior Year				Senior Year			
ASTR 1010 or 1020 or 1030		4		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 1130 or 1710		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 50 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

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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, Diversity of Life	4	4	EDUC 2210	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	Early, Modern US History	3	3	ENGL 2410 or 2420	Lit of the Western World I or II	0	3
MATH 1530	Intro Statistics	3	0	MATH 1130 or 1710		0	3
MATH 1830	Applied Calculus	0	3	COMM 2025	Fundamentals of Communication	0	3
Humanities/Fine Arts Elective		0	3		Social/Behavioral Science Electives	3	3
				GEOL 1040	Physical Geology	4	0
				ASTR 1010 or 1020 or 1030		4	0
Total		16	16	Total		14	15

TENNESSEE TECHNOLOGICAL UNIVERSITY
 SECONDARY EDUCATION - EARTH SCIENCE
 BACHELOR OF SCIENCE DEGREE IN EDUCATION
 Advisor: College of Education Student Success Center
 T.J. Farr 202, Phone: (931) 372-6036

Junior Year			Senior Year		
GEOL 1045	Earth Environment, Resources & Society	4	SEED 4871	Residency I	5
BIOL 3130	General Ecology	4	SEED 4872	Professional seminar I	5
GEOL 3230	Structural Geology and Tectonics	4	SEED 4881	Residency II	10
GEOL 3410	Paleontology or other 3000 course	4	SEED 4882	Professional Seminar II	2
GEOL 4150	Geomorphology	4	SPED 3000	Teaching Persons with Disabilities in the Regular Classroom	3
GEOL Upper-Division 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 50 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	Humanities/Fine Arts Elective		3	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	Early, Modern US History	3	3	ENGL 2410 or 2420	Lit of the Western World I or II		
MATH 1910, 1920	Calculus 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
				COMM 2025	Fundamentals of Communication	0	3
					Social/Behavioral Science Electives	3	3
					PHED Activity	1	0
Total		17	14	Total		13	16

TENNESSEE TECHNOLOGICAL UNIVERSITY
SECONDARY EDUCATION - MATHEMATICS
BACHELOR OF SCIENCE DEGREE IN EDUCATION
Advisor: College of Education Student Success Center
T.J. Farr 202, Phone: (931) 372-6036

Junior Year				Senior Year			
FOED 3010	Integrating IT into the Classroom	3		SEED 4322	Teaching Algebra in Middle/High School		3
FOED 3820	Field Experiences in Education	2		SEED 4871	Residency I		5
MATH 3070	Statistical Methods I	3		SEED 4872	Professional Seminar I		5
MATH 3400	Intro to Concepts of Mathematics	3		SEED 4881	Residency II		10
MATH 3430	College Geometry	3		SEED 4882	Professional Seminar II		2
MATH 4010, 4050, 4350 or 4360		3		SPED 3000	Teaching Persons with Disabilities in the Regular Classroom	3	
MATH 4210	Numerical Analysis I	3					
MATH 4610 or 4620		3					
READ 3350	Teaching Reading in the Content Area		3				
SEED 4122	Materials & Methods of Teaching Mathematics		3				
SEED 4422	Teaching Secondary Mathematics using Technology		3				
Total			32	Total			28

Students must complete 50 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

9/16/19

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		
ENGR 225 Engineering Programming	3	0	ENGL 2410 or 20 Lit of the Western World I or II		
HIST 2010, 2020 Early, Modern US History ¹	3	3	MATH 2110 Calculus III	4	0
MATH 1910, 1920 Calculus I, II	4	4	MATH 2120 Differential Equations	0	3
Social/Behavioral Science Elective	0	3	PHYS 2110, 2120 Calculus-Based Physics I, II	4	4
			COMM 2025 Fundamentals of Communication	0	3
			Humanities/Fine Arts Electives	3	3
			Social/Behavioral Science Elective	3	0
Total	17	17	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 1020 Processes, Products and Ethics	1		CHE 4131 Transfer Science III: Diffusion and Diffusive-Convective Mass Transfer	4
CHE 2015 Intro to Chemical and Biological Process and Scaling I	3		CHE 4210 Chemical Reaction Engineering	4
CHE 2020 Intro to Chemical & Biological Process Analysis and Scaling II	3		CHE 4240 Chemical Engineering Capstone Project	1
CHE 3730 CHE Operations	3		CHE 4540 Process Dynamics & Control	3
CHE 3010 Thermodynamics of Chemical Processes	3		CHE 4410, 4420 Process Design I, II	6
CHE 3021 Separations and Solution Thermodynamics	4		ChE Technical Electives ³	6
CHE 3111 Transfer Science I	4		CHEM 3510, 3520 Physical Chemistry	8
CHE 3121 Transfer Science II	4			
CHEM 3010, 3020 Organic Chemistry I, II	8			
Technical Elective ³	3			
Total	38-39		Total	32

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.

³Six 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. Any course with the prior approval of the ChE Undergraduate Program Coordinator.

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

- a. ChE 4245 -- Clinical Immersion
- b. ChE 4330--Polymer Engineering
- c. ChE 4335--Fuel Cells
- d. ChE 4440--Protein Engineering
- e. ChE 4661--Transport in Biochemical and Biological Processes
- f. ChE 4990--Undergraduate Research

Students must complete 50 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

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, 1020	Composition I, II	3	3	ENGL 2110 or 2120	American Literature I or II	0	3
MATH 1910, 1920	Calculus 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	Early, Modern US History ¹	3	3
Social/Behavioral Science Elective		3	3	MATH 2010	Linear Algebra	3	0
				MATH 2120	Differential Equations	0	3
				PHYS 2110, 2120	Calculus-Based Physics I, II	4	4
				COMM 2025	Fundamentals of Communication	0	3
				Social/Behavioral Science Elective		3	0
Total		17	13	Total		16	16

TENNESSEE TECHNOLOGICAL UNIVERSITY
COMPUTER ENGINEERING - BACHELOR OF SCIENCE DEGREE

Advisor: Carol McGee, Professional Advisor

Clement Hall 318, cmcgee@tntech.edu

(Recommend the advisor be contacted prior to transfer)

Third Year			Fourth Year		
CSC 1300	Intro to Problem Solving and Computer Programming	4	ECE 3010	Signals & Systems	3
CSC 1310	Data Structures and Algorithms	4	ECE 3020	Discrete-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
			CmpE Engr. Elective ²		1
Total		26	Total		24
Fifth Year					
ECE 4961, 4971	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 Elective ²		3			
CmpE Engr. Elective ²		4			
CSC 4100	Operating Systems	3			
CS Elective ²		3			
Total		28			

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.

Students must complete 50 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

9/16/19

DEPARTMENT OF MANUFACTURING AND ENGINEERING TECHNOLOGY

ENGINEERING TECHNOLOGY

CHATTANOOGA STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year			F	SP	Sophomore Year			F	SP
CHEM 1010 or 1110			4	0	CISP 1010	Computer Science 1		4	0
ENGL 1010, 1020	Composition I, II		3	3	ECON 2010 or 2020			0	3
MATH 1710, 1720	Precalculus Algebra,				ENGL 2110 or 20	American Literature I or II		0	3
	Trigonometry		3	3	ENGL 2210 or 20	English Literature I or II			
DD 114	CAD Engineering Drawing I		3	0	ENGL 2410 or 20	Lit of the Western World I or II			
ENST 1370	Manufacturing Processes		0	3	HIST 2010, 2020	United States History I, II		3	3
Humanities/Fine Arts Electives			3	3	PHYS 2010, 2020 or 2110, 2120			4	4
					PSYC 1030	General Psychology		3	0
					COMM 2025	Fundamentals of Communication		0	3
Total			16	12	Total			14	16

TENNESSEE TECHNOLOGICAL UNIVERSITY ENGINEERING TECHNOLOGY - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Dale Wilson, Interim 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	
ME 3010, MET 3100 or ME 3110			3		BMGT 3510	Management & Organization Behavior		3	
MATH 1845	Technical Calculus		3		Business Elective ¹			3	
MET 2000	Occupational Safety		2		DS 3520	Operations Management		3	
MET 2065	Metal Manufacturing Technology		2		MET 3150	Maintenance Technology I		2	
MET 2310	Applied Fluid Power		2		MET 4310	Plant Layout & Materials Handling		3	
MET 2400	Statics and Strength of Materials		3		MET 4620	Senior Projects		6	
MET 2615	Engineering Technology Ethics and Professionalism		1		Area of Concentration ²			15	
MET 3000	Principles of Metal Casting		2						
MET 3200	Applied Electricity and Electronics		3						
MET 3301	CAD for Technology		2						
MET 3403	Applied Machine Element		3						
MET 3700	Manufacturing Cost Estimating		2						
MET 3710	Methods Design and Work Measurement		2						
Total			33		Total			38	

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

²Select one of the following concentrations:

Concentration I - Mechatronics Engineering Technology

MET 3060, MET 3260, ECE 3270, MET 4250 and select 2 course from: MET 3460, MET 4000, MET 4060, MET 4210, MET 4220, MET 4300, MET 4400, MET 4450, MET 4500, MET 4550, MET 4600, MET 4650, MET 4700, MET 4750, MET 4990.

Concentration II - Engineering Technology Management

MET 4550, MET 4650 and select 3 courses from: BMGT 3600, BMGT 3630, BMGT 4520, DS 3620, DS 3540, FIN 3210, LAW 2810, BMGT 4930, MET 4430, MET 4600, MKT 3400, PSY 3400.

Students must complete 50 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 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.

9/16/19

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