

# TRANSFER AGREEMENT

2014-15

Northeast State Community College

Tennessee Technological University

*Use this as a guide to make your way through Northeast 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 Northeast 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 to Northeast State.
3. Students entering Northeast State must meet all the standards and follow the procedures of the current Northeast State catalog.
4. Students entering Tennessee Technological University must meet the standards and follow the procedures of the current Tennessee Tech undergraduate catalog.
5. This agreement assumes that student will complete an associate degree at Northeast 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 admissions which supersede all others.

## Admissions Standards

Under this agreement, in order to be eligible for admission to Tennessee Tech, you must have an associate degree from Northeast 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 online at [www.tntech.edu/transfers/apply](http://www.tntech.edu/transfers/apply). You can pay the \$25 nonrefundable application fee online after completing the application. If you do not pay online at this time mail a check/money order for \$25 to the Office of Admissions, Tennessee Technological University, P.O. Box 5006; Cookeville, Tennessee 38505. The application deadline for receipt of the admission application, application fee, test scores (ACT/SAT) and official transcripts is August 1 for fall entry, December 1 for spring entry and May 1 for summer entry. Admission decisions are not made unless all items have been received.
2. Request official transcripts from all institutions previously attended and a partial transcript if presently enrolled in another institution. Request the final transcript when grades have posted for the term. Transcripts of all work attempted at the college level is required.
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 earned in the course. For example, an "A" is transferred as an "A," and an "F" is transferred as an "F." We are not on the +/- system. Effective summer 2015, changes will be made for awarding transfer credit.

4. Students who have NOT earned a bachelor's degree should submit a high school transcript or GED scores. Students who have not successfully completed college level 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. Admission decisions will be mailed to the address provided by the student.

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/](http://www.tntech.edu/bursar/)

## Scholarship Information

Scholarship opportunities are available for transfer students. For scholarship information, check the scholarship web site at [www.tntech.edu/scholarships/](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  
Counseling and Psychology  
Curriculum and Instruction  
Exercise Science, Physical Education and  
Wellness  
Music

### College of Engineering

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

### College of Interdisciplinary Studies

## Questions? Then 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	University Police	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 Room 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 103	372-6336
Engineering	Dean's Office, Clement Hall 201	372-3172
Interdisciplinary Studies	Dean's Office, Jere Whitson 131-I	372-3366
Nursing	Academic Advisors, Nursing & Health Services	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
Teacher Certification	College of Education, Bartoo Hall 301	372-3170
Veteran Certification	Registrar, Derryberry Hall 102	372-3317

## DEPARTMENT OF CHEMICAL ENGINEERING

## CHEMICAL ENGINEERING

NORTHEAST STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

**Freshman Year**

CHEM 1110, 1120	General Chemistry I, II	8
ENGL 1010, 1020	Composition I, II	6
ENGR 1120	Engineering Programming	3
ENGR 1210	Introduction to Engineering	1
MATH 1910, 1920		
	Calculus I, II	8
	Humanities/Fine Arts Elective	3
	Social/Behavioral Science Elective	3
SPCH 2300	Public Speaking	3
	Total	35

**Sophomore Year**

CHEM 2010, 2020	Organic Chemistry I, II	8
ENGL	Literature	3
HIST 2010, 2020	United States History I, II <sup>1</sup>	6
MATH 2110	Calculus III	4
MATH 2120	Differential Equations	3
PHYS 2110, 2120	Calculus-Based Physics	8
	Humanities/Fine Arts Elective	3
	Social/Behavioral Science Elective	3
	Total	38

TENNESSEE TECHNOLOGICAL UNIVERSITY  
CHEMICAL ENGINEERING - BACHELOR OF SCIENCE DEGREEAdvisor: Dr. Pedro Arce, Department Chairperson  
Prescott Hall 214, Phone: (931) 372-3297

(Recommend the advisor be contacted prior to transfer.)

**Junior Year<sup>2</sup>**

CHE 1520	Intro to Chemical and Biological Process Analysis and Scaling I	3
CHE 2020	Intro to Chemical and Biological Process Analysis and Scaling II	3
CHE 3010	Thermodynamics of Che Processes	3
CHE 3021	Separations and Solutions Thermodynamics	4
CHE 3111	Transfer Science I: Conduction, Radiation, and Diffusion	4
CHE 3121	Transfer Science II: Fluid Mechanics	4
CHE 3730	CHE Operations	3
CEE 2110, ECE 3810 or BIOL 3200		3
Technical Elective <sup>3</sup>		3
	Total	29

**Senior Year**

CHE 4131	Transfer Science III: Diffusion and Diffusive-Convection Mass Transfer	4
CHE 4210	Chemical Reaction Engineering	4
CHE 4240	CHE Capstone Laboratory	1
CHE 4410, 4420	Process Design I, II	6
CHE 4540	Process Dynamics & Control	3
ChE Technical Electives <sup>4</sup>		6
CHE 4910	Professionalism and Ethics in CHE	1
CHEM 3510, 3520	Physical Chemistry	8
	Total	33

<sup>1</sup>HIST 2010 and 2020 United States History I, II are not required for the Bachelor of Science degree in Chemical Engineering.<sup>2</sup>Students must apply to the CHE Fast-Track MS program by the end of their second junior term.<sup>3</sup>Three hours of Technical Electives can be from any of the following courses:

- Any College of Engineering course at the 3000 or 4000 level.
- Any BIOL/CHEM/MATH/PHYS at the 3000 or 4000 level.
- CEE 2100
- Any course with the prior approval of the ChE Undergraduate Program Coordinator.
- Note that CEE 2110, BIOL 3200 and ECE 3810 cannot count both as a Technical Elective and as part of the CEE 2100/ECE 3810/BIOL 3200 option.

<sup>4</sup>Three hours of ChE Technical Electives must come from one of the following courses:

- ChE 4330 -- Polymer Engineering
- ChE 4661 -- Transport in Biochemical and Biological Processes
- ChE 4950 -- MEMS
- ChE 4990 -- Undergraduate Research

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

5/7/14

## DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

### COMPUTER ENGINEERING

NORTHEAST STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

#### Freshman Year

ENGL 1010, 1020	Composition I, II	6
MATH 1910, 1920	Calculus I, II	8
CHEM 1110	General Chemistry I	4
Humanities/Fine Arts	Elective	3
Social/Behavioral Science	Elective	3
<b>Total</b>		<b>24</b>

#### Sophomore Year

ENGL Literature		3
SPCH 2300	Public Speaking	3
PHYS 2110, 2120	Calculus-Based Physics I, II	8
MATH 2120	Differential Equations	3
MATH 2110	Calculus III	4
Humanities/Fine Arts	Elective	3
Social/Behavioral Science	Elective	3
HIST 2010, 2020	United States History I, II <sup>1</sup>	6
<b>Total</b>		<b>33</b>

### TENNESSEE TECHNOLOGICAL UNIVERSITY BACHELOR OF SCIENCE DEGREE - COMPUTER ENGINEERING

Advisor: Dr. Charles Carnal, Faculty Advisor  
Brown Hall 217, Phone: (931) 372-3397  
(Recommend the advisor be contacted prior to transfer.)

#### Third Year

CSC 2100	Intro to Problem Solving and Computer Programming	3
CSC 2101	Problem Solving and Computer Programming Lab	1
CSC 2110	Data Structures and Algorithms	3
CSC 2111	Data Structures and Algorithms Lab	1
ECE 2010	Electric Circuits I	3
ECE 2011	EE Lab I	1
ECE 2020	Electric Circuits II	3
ECE 2110	Intro to Digital Systems	3
MATH 2010	Matrix Algebra	3
ECE 2001	Computer Aided Engineering in ECE	1
<b>Total</b>		<b>22</b>

#### Fourth Year

ECE 3010	Signals and Systems	3
ECE 3020	Discrete-Time Signals & Systems	3
ECE 3060	EE Lab II	1
ECE 3120	Microcomputer Systems	3
ECE 3160	Digital Systems Laboratory	1
ECE 3300	Electronics I	3
ECE 4910	Professional Issues in ECE	1
CSC 2400	Design of Algorithms	3
CSC 2500	Unix Lab	1
CSC 3030	Practical and Professional Issues in Computer Science	1
CSC 4200	Computer Networks	3
MATH 3470	Introductory Probability and Stats	3
<b>Total</b>		<b>26</b>

#### Fifth Year

ECE 4110	Digital System Design	3
ECE 4120	Fundamentals of Computer Design	3
ECE 4140	Embedded System Design	3
ECE 4961, 4971	Capstone Design I, II	6
EE Lab Elective <sup>2</sup>		1
EE Elective <sup>2</sup>		3
CmpE Elective <sup>2</sup>		3
CSC 4100	Operating Systems	3
CS Elective <sup>2</sup>		3
<b>Total</b>		<b>28</b>

<sup>1</sup>HIST 2010 and 2020 United States History I, II are not required for the Bachelor of Science degree in Computer Engineering.

<sup>2</sup>Select from the ECE Department approved list.

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

## DEPARTMENT OF MANUFACTURING AND ENGINEERING TECHNOLOGY

## ENGINEERING TECHNOLOGY

NORTHEAST STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

**Freshman Year**

CHEM 1110	General Chemistry I	4
ENGL 1010, 1020	Composition I, II	6
ENGR 1110	Engineering Graphics	3
ENGR 1120	Engineering Programming	3
MATH 1710, 1720	Pre-Calculus I, II	6
Humanities/Fine Arts Electives		6

Total

28

**Sophomore Year**

ENGL Literature	3	
HIST 2010, 2020	United States History I, II	6
PHYS 2010, 2020 or 2110, 2120		8
SPCH 2300	Public Speaking	3
PSYC 1030	General Psychology	3
ECON 2010, 2020	Macroeconomics, Microeconomics	6

Total

29

TENNESSEE TECHNOLOGICAL UNIVERSITY  
BACHELOR OF SCIENCE DEGREE - ENGINEERING TECHNOLOGY

Advisor: Dr. Ahmed ElSawy, Department Chairperson

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

(Recommend the advisor be contacted prior to transfer.)

**Junior Year**

BMGT 3510	Management & Organization Behavior	3
ECON 3610	Business Statistics I	3
MATH 1845	Technical Calculus	3
MET 1100	Intro to Manufacturing Engineering Technology	2
MET 2000	Occupational Safety	2
MET 2063	Metal Manufacturing Technology	3
MET 2400	Statistics and Strength of Materials	3
MET 3000	Principles of Metal Casting	2
MET 3200	Applied Electricity and Electronics	3
MET 3700	Manufacturing Cost Estimating	2
MET 3710	Methods Design and Work Measurement	2
MET 3130	Maintenance Technology I	3
MET 3301	CAD for Technology	2
MET 3730	Quality Assurance	2
ME 3110	Physical Metallurgy & Heat Transfer	3
Total		35

**Senior Year**

ACCT 3720	Survey of Accounting	3
DS 3520	Operations Management	3
MET 4200	Industrial Electronics	3
MET 4310	Plant Layout and Materials Handling	3
MET 4615	Engineering Technology Ethics and Professionalism	1
MET 4620	Senior Projects	3
Business Elective <sup>1</sup>		3
Area of Emphasis		12

Total

31

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

Select one of the following emphases:

Emphasis I - Manufacturing Engineering Technology

MET 3060, MET 3403 and select two courses from: MET 3010, 3080, 3460, 3560, 4010, 4060, 4140, 4210, 4220, 4300, 4400, 4450, 4500, 4550, 4600, 4990; ESS 3710, and ME 4430.

Emphasis II - Technology Management

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

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2014-2015

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 Advance 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 a commission, students must meet Tennessee Tech graduation requirements, complete required ROTC courses, meet the Army height/weight requirements, and pass the Army Physical Fitness Test.