

DRAFT

TRANSFER AGREEMENT

2014-15

Volunteer State Community College
Tennessee Technological University

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

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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 current 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 web site at www.tntech.edu/scholarships/ The scholarship deadline date is December 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 & 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

School of Nursing

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	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, Foundation Hall	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
Advising Center	T.J. Farr Building 103	372-6336
Engineering	Dean's Office, Clement Hall 201	372-3172
Interdisciplinary Studies	Dean's Office, Henderson Hall Room 3	372-3394
School of Nursing	Academic Advisors, Nursing and 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

(Alphabetized by Major)

Banking (VSCC), Finance (TTU) 13
Business and Information Technology (Business Management Option BIT)..... 10
Chemical Engineering 20
Child Development and Family Studies (Non-Licensure) 3
Comprehensive Special Education (K-12 Licensure) 17
Computer Engineering..... 21
Dietetics (Human Ecology--Food, Nutrition and Dietetics Option)..... 5
Engineering Technology 22
Family and Consumer Sciences (Human Ecology Concentration)..... 4
Finance..... 13
Food Systems Administration (Human Ecology--Food, Nutrition and Dietetics Option) 6
General Management (Business Management Option BUMA)..... 9
Housing and Design (Human Ecology Concentration) 7
Human Resource Management (Business Management Option BUHR).....11
Interdisciplinary Studies..... 23
Marketing..... 14
Merchandising and Design (Human Ecology Concentration)..... 8
Modified Special Education (K-12) 18
Multidisciplinary Studies: Middle School (4-8 Licensure) 19
Production/Operations Management (Business Management Option BUPR) 12
ROTC 24

(Alphabetized by College)

College of Agriculture and Human Ecology
School of Human Ecology
Child and Family Studies (Non-Licensure)3
Dietetics Option5
Family and Consumer Science Concentration6
Food Systems Administration Option.....6
Housing and Design Concentration7
Merchandising and Design Concentration.....8

College of Business
Department of Decision Sciences and Management
Business and Information Technology (Business Management Option BUIN).....10
General Management (Business Management Option BUMA)9
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Production/Operations Management (Business Management Option BUPR)12
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Admission to Teacher Education15
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Multidisciplinary Studies: Middle School (4-8 Licensure).....19

College of Engineering
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Department of Electrical and Computer Engineering21
Department of Manufacturing and Engineering Technology.....22

College of Interdisciplinary Studies23
ROTC24

SCHOOL OF HUMAN ECOLOGY

CHILD DEVELOPMENT AND FAMILY RELATIONS

(Leading to the Bachelor of Science Degree, Non-Licensure)

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year

ENGL 1010, 1020	English Composition I, II	6
ECED 1310	Introduction to Early Childhood Ed	3
ECED 2315	Early Childhood Curriculum	3
ECED 2310	Safe, Healthy, Learning Environments	3
ART or MUS 1030	Art or Music Appreciation	3
BIOL 1030	Essentials of Biology	4
MATH		3
ECED 2330, 2390, 2312, 2386 or HIST 2010		2-3
SOCI 1010	Introduction to Sociology	3

Total 31

Sophomore Year

ECED 2320	Infant, Toddler, Child Development	3
ECED 2340	Family Dynamics & Comm. Involvement	3
ECED 2360	Developmental of Exceptional Children	3
ECED 2070	Development Assessment	3
ECED 2080	Language & Literacy in ECED	3
ECED 2085	Math & Science in ECED	3
ECED 2130	Initial Practicum	3
ECED 2160	Final Practicum	3
INFS 1010	Computer Applications	3
SPCH 1010	Fund of Speech Communication	3
	Total	30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Melinda Anderson, Human Ecology - Foundation Hall, Phone: (931) 372-3157

Transition Semester-TTU

HIST 2010 or 2020	American History I or II	3
	Humanities/Fine Arts Elective	3
HEC 1005	Intro to Human Ecology	1
PSY 2010	General Psychology	3
	Total	10

Junior Year

ENGL 2130, 2230, or 2330		3
HIST 2010 or 2020	American History I or II	3
Natural Science		4
CFS 2410	Practicum: Young Children with Special Needs	1
ECSP 3001	Curriculum for Infants, Toddlers & Preschoolers	3
ECSP 3211	Practicum: Procedures for Infants, Toddlers and Preschoolers	1
HEC 1020	Social and Professional Etiquette	1
HEC 1030	Intro to Nutrition	2
HEC 2065	Families in Society	3
HEC 2510	Creative Play	3
HEC 3500	Development: Middle Childhood/Adolescence	3
HEC Electives		3
HEC Core		3
UNIV 1020	First-Year Connections	1
	Total	34

Senior Year

EXPW 2150	Human Sexuality	3
HEC 3011	Consumer Economics	3
HEC 3066	Family Violence across the Lifespan	3
HEC 3520	Parenting & Child Guidance	2
HEC 3660	Interpersonal Relationships	3
HEC 3700	Development: Young Adulthood/Aging	3
HEC 4000	Senior Seminar in HEC	1
HEC 4065	Social Policy for Children and Families	3
HEC 4600	Theories in Family Development and Relationships	3
HEC 4610	Families: Normative/Catastrophic Issues	3
HEC 4630	Family Life Education	3
HEC 4990	Internship	6
ECSP 4300	Assessment of Young Children	3
SOC 3650	Juvenile Delinquency	3
	Total	30

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

HEC Core

HEC 1010	Life Span Development	3
HEC 2031	Aspects of Dress	3
HEC 2041	Aspects of Housing and Furnishings	3

FAMILY AND CONSUMER SCIENCES

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year

CHEM 1110, 1120	General Chemistry I, II	8
ENGL 1010, 1020	English Composition I, II	6
ECED 1310	Introduction to Early Childhood	2
ECED 2310	Safe, Healthy Learning Environments	3
ART 1030	Art Appreciation	3
MATH 1010	Math for Liberal Arts	3
Social/Behavioral Science Electives ¹		2

Total 30

Sophomore Year

SPCH 103 or 1010		3
ECED 2340	Family Dynamics & Comm. Involvement	3
EDU 2200	Educational Psychology	3
ENGL Literature		3
HED 220	Principles of Nutrition	3
HIST 2010, 2020	Survey of American History	6
Humanities/Fine Arts Elective		3
Social/Behavioral Science Elective		3
Electives ¹		3

Total 30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Melinda Anderson, Human Ecology - Foundation Hall, Phone: (931) 372-3157

Junior Year

FOED 3010	Integrating Instructional Technology into the Classroom	3
HEC 1005	Intro to Human Ecology	1
HEC 1010	Life Span Development	3
HEC 1020	social and Professional Etiquette	1
HEC 1300	Clothing Construction	3
HEC 2031	Aspects of Dress	3
HEC 2065	Families in Society	3
HEC 3520	Parent Ed and Child Guidance	2
HEC 2240	Food Preparation & Management	4
HEC 2421	Architectural Graphics and Presentation Techniques	3
HEC 2800	Intro to Teaching Vocational Family & Consumer Sciences	3
HEC 3011	Consumer Economics	3
HEC 3500	Development: Middle Childhood/Adolescence	3
HEC 3805	Materials and Methods of Teaching Family and Consumer Sciences Ed	3
HEC 3812	Practicum in Family and Consumer Sciences	2
READ 3350	Teaching Reading in the Content Areas	3
SPED 3000	Teaching Persons with Disabilities in the Regular Classroom	3
UNIV 1020	First-Year Connections	1
	Total	47

Senior Year

HEC 4871	Residency I	5
HEC 4872	Professional Seminar I	5
HEC 4881	Residency II	10
HEC 4882	Professional Seminar II	2
HEC 4000	Senior Seminar in HEC	1

Total 23

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

¹Courses must be selected from the VSCC/TTU Transfer Equivalency table www.tntech.edu/transfers/transfertablesagreements/

FOOD, NUTRITION AND DIETETICS

(Dietetics Option)

VOLUNTEER STATE COMMUNITY COLLEGE**Freshman Year**

BIOL 1010	Intro to Biology I	4
CHEM 1110, 1120	General Chemistry I, II	8
ENGL 1010, 1020	English Composition I, II	6
MATH 1130, 1530		6
PSYC 1030	General Psychology	3
SOCI 1010	Intro to Sociology	3

Total

30

Sophomore Year

BIOL 2010, 2020	Human Anatomy & Physiology I, II	8
BIOL 2230	Microbiology	4
SPCH 103 or 1010		3
ENGL Literature		3
HIST 2010, 2020	Survey of American History	6
Humanities/Fine Arts Electives		6

Total

30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Melinda Anderson, Human Ecology - Foundation Hall, Phone: (931) 372-3865

Junior Year

CHEM 3005	Elementary Organic Chemistry	4
HEC 1000	Intro to Human Ecology	1
HEC 1010	Life Span Development	3
HEC 1020	Social and Professional Etiquette	1
HEC 2020	Nutrition	3
HEC 2065	Families in Society	3
HEC 2240	Food Preparation & Management	4
HEC 3011	Consumer Economics	3
HEC 3201	Community Nutrition	3
HEC 3240	Quantity Food Production	4
HEC 3270	Nutrition in Disease	3
HEC 3290	Nutrition through the Life Cycle	3
UNIV 1020	First-Year Connections	1

Total

36

Senior Year

BMGT 3510	Management & Organization Behavior	3
CHEM 4500	Physiological Chemistry	3
HEC 2031 or 2041		3
HEC 4000	Senior Seminar in HEC	1
HEC 4200	Advanced Nutrition	3
HEC 4210	Medical Terminology for Human Sciences	1
HEC 4242	Food Systems Administration	3
HEC 4271	Medical Nutrition Therapy	3
HEC 4272	Clinical Dietetics	3
HEC 4940	Nutrition, Fitness and Wellness	2
HEC 4994	Field Experience--Health Care	3

Total

28

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

***Requires professional liability insurance (additional fee), background check (additional fee), proof of insurance, and proof of immunizations before entering HEC 4994.**

¹The DPD option is part of an accredited Didactic Program in Dietetics (DPD), which requires a mandatory enrollment policy. A total of 20 students will be enrolled each year at the junior level, and a total of 20 students will be enrolled each year at the senior level. Students should plan to apply for admission into upper division dietetics during the sophomore year. See www.tntech.edu/hec for application details.

²The Dietetics Option is an accredited Didactic Program in Dietetics (DPD) by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics. Contact:

1-800-877-1600 Ext 5400

Fax: 312-899-4817

acend@eatright.org<http://www.eatright.org/ACEND/>

In order to become a Registered Dietitian/Nutritionist (RDN) and to practice as an RDN, the following steps must be completed:

1. After successful graduation from TTU's DPD program, gain acceptance and complete an accredited supervised practice program (Dietetic Internship).
2. Pass the Academy of Nutrition and Dietetics Registration Exam.
3. Obtain appropriate licensure in the state in which you will practice.

FOOD, NUTRITION AND DIETETICS

(Food Systems Administration Option)

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year

BIOL 1010	Intro to Biology I	4
CHEM 1110, 1120	General Chemistry I, II	8
ENGL 1010, 1020	English Composition I, II	6
MATH 1130, 1530		6
SOCI 1010	Intro to Sociology	3
Electives		2
Total		29

Sophomore Year

ACCT 1010	Principles of Accounting I	3
BIOL 2230	Microbiology	4
ECON 2020	Microeconomics	3
SPCH 103 or 1010		3
ENGL Literature		3
HIST 2010, 2020	Survey of American History	6
PSYC 1030	General Psychology	3
Humanities/Fine Arts Electives		6
Total		31

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Melinda Anderson, Human Ecology - Foundation Hall, Phone: (931) 372-3157

Junior Year

HEC 1005	Intro to Human Ecology	1
HEC 1010	Life Span Development	3
HEC 1020	Social and Professional Etiquette	1
HEC 2020	Nutrition	3
HEC 2065	Families in Society	3
HEC 2240	Food Preparation & Management	4
HEC 3011	Consumer Economics	3
HEC 3240	Quantity Food Production	4
HEC 3270	Nutrition in Disease	3
HEC 2390	Nutrition through the Life Cycle	3
UNIV 1020	First-Year Connections	1
Electives		3
Total		32

Senior Year

BMGT 3510	Management & Organization Behavior	3
BMGT 3630	Human Resource Management	3
HEC 2031 or 2041		3
HEC 4000	Senior Seminar in HEC	1
HEC 4242	Food Systems Administration	3
HEC 4995	Field Experiences--Food Systems	6
HEC 4940	Nutrition, Fitness and Wellness	2
MKT 3310 or 3400		3
Electives (Upper-Division 3 hours)		4
Total		28

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

HOUSING AND DESIGN

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year

CHEM 1110, 1120	General Chemistry I, II	8
ENGL 1010, 1020	English Composition I, II	6
MATH 1130	College Algebra	3
MATH 1010 or 1530		3
SOCI 1010	Intro to Sociology	3
ART 1030	Introduction to Art	3
Electives		4

Total 30

Sophomore Year

INFS 1010	Computer Applications	3
SPCH 103 or 1010		3
ECON 2010, 2020	Macroeconomics, Microeconomics	6
ENGL Literature		3
HED 220	Principles of Nutrition	3
HIST 2010, 2020	Survey of American History	6
PSYC 1030	General Psychology	3
Humanities/Fine Arts Elective		3

Total 30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Melinda Anderson, Human Ecology - Foundation Hall, Phone: (931) 372-3157

Junior Year

ART 1010	Two-Dimensional Design	3
HEC 1005	Intro to Human Ecology	1
HEC 2041	Aspects of Housing and Furnishings	3
HEC 2065	Families in Society	3
HEC 2411	Practicum: Housing & Design	1
HEC 2421	Architectural Graphics & Presentation Techniques	3
HEC 2431	Residential Design I	3
HEC 2440	Computer Aided Design of Residence	3
HEC 2460	Interior Architecture Codes and Standards	2
HEC 3011	Consumer Economics	3
HEC 3310	Textiles I	3
HEC 3320	Textiles II	3
HEC 3350	Merchandising I	3
UNIV 1020	First-Year Connections	1
	Total	35

Senior Year

HEC 3431	Residential Design II	3
HEC 4000	Senior Seminar in HEC	1
HEC 4450	Commercial Design	3
HEC 4460	Historical and Contemporary Architecture and Furnishings	3
FIN 3410	Principles of Real Estate	3
MKT 3400	Principles of Marketing	3
HEC Upper-Division Elective		6
HEC Core		3
	Total	25

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

HEC Core

HEC 1010	Life Span Development	3
HEC 1020	Social and Professional Etiquette	1
HEC 2031	Aspects of Dress	3

MERCHANDISING AND DESIGN

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year

CHEM 1110, 1120	General Chemistry I, II	8
ENGL 1010, 1020	English Composition I, II	6
MATH 1010	Math for Liberal Arts	3
MATH 1530	Elementary Statistics	3
SOCI 1010	Intro to Sociology	3
Humanities/Fine Arts Electives		6
Elective ¹		1

Total 30

Sophomore Year

ACCT 1010	Principles of Accounting I	3
SPCH 103 or 1010		3
ECON 2010, 2020	Macroeconomics, Microeconomics	6
ENGL Literature		3
HED 220	Principles of Nutrition	3
HIST 2010, 2020	Survey of American History	6
PSYC 1030	General Psychology	3

Total 27

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Melinda Anderson, Human Ecology - Foundation Hall, Phone: (931) 372-3157

Junior Year

HEC 1005	Intro to Human Ecology	1
HEC 1300	Clothing Construction	3
HEC 2031	Aspects of Dress	3
HEC 2065	Families in Society	3
HEC 2300, 3300, 4300 or 4301		6
HEC 2311	Practicum: Merchandising & Design	1
HEC 2320	Analysis of Apparel and Furnishings	3
HEC 3305	Fashion Forecasting	2
HEC 3350	Merchandising I	3
HEC Core		3
MKT 3400	Principles of Marketing	3
UNIV 1020	First-Year Connections	1

Total 32

Senior Year

HEC 3011	Consumer Economics	3
HEC 3310	Textiles I	3
HEC 3320	Textiles II	3
HEC 4000	Senior Seminar in HEC	1
HEC 4320	Merchandise Promotion & Advertising	3
HEC 4340	History of Dress	3
HEC 4360	Merchandising II	3
HEC 4600; IBC 4980 or 4990; SOC 3150; or PSY 3300, 3400, or 3410		3
HEC 4990	Internship	6
Upper Division Business Elective		3

Total 31

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

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HEC Core

HEC 1010	Life Span Development	3
HEC 1020	Social and Professional Etiquette	1

COLLEGE OF BUSINESS

DEPARTMENT OF DECISION SCIENCES AND MANAGEMENT

BUSINESS MANAGEMENT - GENERAL MANAGEMENT (Option BUMA)

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year		F	SP	Sophomore Year		F	SP
INFS 1010	Computer Applications	0	3	ACCT 1010, 1020	Principles of Accounting I, II	3	3
SPCH 1010 or 103	Fund. of Speech Communication Public Speaking	3	0	ECON 2010, 2020	Macroeconomics, Microeconomics	3	3
ENGL 1010, 1020	English Composition I, II	3	3	ENGL Literature		3	0
MATH 1130, 1830	College Algebra; Intuitive Calc.	3	3	HIST 2010, 2020	Survey of American History I, II	3	3
	Natural Science ¹	4	4		Non-Business Elective ²	0	3
	Non-Business Electives ²	1	3		Humanities/Fine Arts Electives ³	3	3
	Total	14	16		Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Curtis Armstrong, Department Chairperson - Johnson Hall 306, Phone: (931) 372-3160

Junior Year				Senior Year			
BMGT 3510	Mgt. & Organization Behavior	3		BMGT 3720	Business Communication I	3	
BMGT 3600	International Management	3		BMGT 4520	Organizational Leadership	3	
BMGT 3630	Human Resource Management	3		BMGT 4930	Business Strategy	3	
DS 3620	Business Analytics: Data Driven Decision Making	3		DS 3520	Operations Management	3	
DS 3841	Mgt. Information Systems	3		ECON 3320, 3810 or 3820		3	
ECON 3610	Business Statistics I	3		LAW 3810	Business Legal Environment and Ethics	3	
FIN 3210	Principles of Managerial Finance	3		BMGT Electives		6	
MKT 3400	Principles of Marketing	3		Non-Business Elective ⁴		6	
	Business Electives ⁴	3					
	DS Elective	3					
	Total	30		Total		30	

¹ Natural science, choose from: BIOL 1010-1020, BIOL 1110-1120, CHEM 1110-1120, PHYS 2010-2020, or GEOL 1040-1050.

² Courses must be selected from the VSCC/TTU Transfer Equivalency table www.tntech.edu/transfers/transfertablesagreements/

DEPARTMENT OF DECISION SCIENCES AND MANAGEMENT
BUSINESS MANAGEMENT - BUSINESS AND INFORMATION SYSTEMS
(Option BIT)

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year	F	SP	Sophomore Year	F	SP
INFS 1010 Computer Applications	0	3	ACCT 1010, 1020 Principles of Accounting I, II	3	3
SPCH 1010 or 103 Fund. of Speech Communication			ECON 2010, 2020 Macroeconomics, Microeconomics	3	3
ENGL 1010, 1020 English Composition I, II	3	3	ENGL Literature	3	0
MATH 1130, 1830 College Algebra; Intuitive Calc.	3	3	HIST 2010, 2020 Survey of American History I, II	3	3
Natural Science ¹	4	4	Non-Business Elective ²	0	3
Non-Business Electives ²	1	3	Humanities/Fine Arts Electives ³	3	3
Total	14	16	Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Curtis Armstrong, Department Chairperson - Johnson Hall 306, Phone: (931) 372-3160

Junior Year		Senior Year	
BMGT 3510 Mgmt. and Organization Behavior	3	BMGT 4930 Business Strategy	3
DS 3620 Business Analytics: Data Driven Decision Making	3	DS 3520 Operations Management	3
DS 3841 Mgt. Information Systems	3	DS 3870 Business Apps Development II	3
DS 3850 Business Applications Development	3	DS 4250 Business Data Communications	3
DS 3860 Business Database Management	3	DS 4330 Management Systems Analysis	3
ECON 3610 Business Statistics I	3	DS 4550 Information Systems Dev Practicum	3
FIN 3210 Principles of Managerial Finance	3	ECON 3320, 3810 or 3820	3
MKT 3400 Principles of Marketing	3	LAW 3810 Business Legal Environment and Ethics	3
DS Elective	3	Business Elective ⁴	3
Non-Business Elective ⁴	3	Non-Business Elective ⁴	3
Total	30	Total	30

¹ Natural science, choose from: BIOL 1010-1020 or BIOL 1110-1120; CHEM 1110-1120; PHYS 2010-2020; or GEOL 1040-1050.

² Courses must be selected from the VSCC/TTU Transfer Equivalency table www.tntech.edu/transfers/transfertablesagreements/

³ Fine arts electives, choose one from: ART 1030, MUS 1030, PHIL 1030 or THEA 1030.

⁴ Elective courses must be selected in consultation with the advisor.

DEPARTMENT OF DECISION SCIENCES AND MANAGEMENT

BUSINESS MANAGEMENT - HUMAN RESOURCE MANAGEMENT (Option BUHR)

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year	F	SP	Sophomore Year	F	SP
INFS 1010 Computer Applications	0	3	ACCT 1010, 1020 Principles of Accounting I, II	3	3
SPCH 1010 or 103 Fund. of Speech Communication			ECON 2010, 2020 Macroeconomics, Microeconomics	3	3
ENGL 1010, 1020 English Composition I, II	3	3	ENGL Literature	3	0
MATH 1130, 1830 College Algebra; Intuitive Calc.	3	3	HIST 2010, 2020 Survey of American History I, II	3	3
Natural Science ¹	4	4	Non-Business Elective ²	0	3
Non-Business Electives ²	1	3	Humanities/Fine Arts Electives ³	3	3
Total	14	16	Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Curtis Armstrong, Department Chairperson - Johnson Hall 306, Phone: (931) 372-3160

Junior Year			Senior Year	
BMGT 3510 Mgmt. & Organization Behavior	3		BMGT 4100 Staffing	3
BMGT 3630 Human Resource Management	3		BMGT 4120 Compensation Administration	3
DS 3620 Business Analytics: Data Driven Decision Making	3		BMGT 4150 Employment and Labor Law	3
DS 3841 Mgmt. Information Systems	3		BMGT 4610 Training and Development	3
ECON 3610 Business Statistics I	3		BMGT 4930 Business Strategy	3
FIN 3210 Principles of Managerial Finance	3		DS 3520 Operations Management	3
LAW 3810 Business Legal Environment and Ethics	3		ECON 3320, 3810 or 3820	3
MKT 3400 Principles of Marketing	3		Business Elective ⁴	3
BMGT Electives	6		Non-Business Electives ⁴	6
Total	30		Total	30

¹ Natural science, choose from: BIOL 1010-1020 or BIOL 1110-1120, CHEM 1110-1120, PHYS 2010-2020, or GEOL 1040-1050.

² Courses must be selected from the VSCC/TTU Transfer Equivalency table www.tntech.edu/transfers/transfertablesagreements/

DEPARTMENT OF DECISION SCIENCES AND MANAGEMENT

BUSINESS MANAGEMENT - PRODUCTION/OPERATIONS MANAGEMENT (Option BUPR)

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year	F	SP	Sophomore Year	F	SP
INFS 1010 Computer Applications	0	3	ACCT 1010, 1020 Principles of Accounting I, II	3	3
SPCH 1010 or 103 Fund. of Speech Communication			ECON 2010, 2020 Macroeconomics, Microeconomics	3	3
	3	0	ENGL Literature	3	0
ENGL 1010, 1020 English Composition I, II	3	3	HIST 2010, 2020 Survey of American History I, II	3	3
MATH 1130, 1830 College Alg.;			Non-Business Elective ²	0	3
	3	3	Humanities/Fine Arts Electives ³	3	3
Natural Science ¹	4	4			
Non-Business Electives ²	1	3			
Total	14	16	Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Curtis Armstrong, Department Chairperson - Johnson Hall 306, Phone: (931) 372-3160

Junior Year		Senior Year	
ACCT 3210 Cost Accounting	3	BMGT 4410 Conflict Management & Negotiation	3
BMGT 3510 Mgmt. & Organization Behavior	3	BMGT 4930 Business Strategy	3
BMGT 3630 Human Resource Management	3	ECON 3320, 3810 or 3820	3
DS 3520 Operations Management	3	LAW 3810 Legal Environment of Business	3
DS 3540 Quality and Productivity Systems	3	Business Electives ⁴	6
DS 3620 Business Analytics: Data Driven Decision Making	3	DS/BMGT Electives ⁴	6
DS 3841 Mgmt. Information Systems	3	MET Electives ⁴	6
ECON 3610 Business Statistics I	3		
FIN 3210 Principles of Managerial Finance	3		
MKT 3400 Principles of Marketing	3		
Total	30	Total	30

¹ Natural science, choose from: BIOL 1010-1020 or BIOL 1110-1120; CHEM 1110-1120; PHYS 2010-2020; or GEOL 1040-1050.

² Courses must be selected from the VSCC/TTU Transfer Equivalency table www.tntech.edu/transfers/transfertablesagreements/

³ Fine arts electives, choose one from: ART 1030, MUS 1030, PHIL 1030 or THEA 1030.

⁴ Elective courses must be selected in consultation with the advisor.

FINANCE**VOLUNTEER STATE COMMUNITY COLLEGE**

Freshman Year			F	SP	Sophomore Year			F	SP
INFS 1010	Computer Applications		0	3	ACCT 1010, 1020	Principles of Accounting I, II	3	3	
SPCH 1010 or 103	Fund. of Speech Communication				ECON 2010, 2020	Macroeconomics, Microeconomics	3	3	
	Public Speaking		3	0					
ENGL 1010, 1020	English Composition I, II		3	3	ENGL Literature		3	0	
MATH 1130, 1830	College Algebra; Intuitive Calc.		3	3	HIST 2010, 2020	Survey of American History I, II	3	3	
	Natural Science ¹		4	4					
	Non-Business Electives ²		1	3	Non-Business Elective ²		0	3	
					Humanities/Fine Arts Electives ³		3	3	
	Total		14	16	Total		15	15	

TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Junior Year					Senior Year				
BMGT 3510	Mgmt. and Organization Behavior		3		BMGT 4930	Business Strategy		3	
DS 3520	Operations Management		3		FIN 4230	Adv. Financial Decision Analysis		3	
DS 3620	Business Analytics: Data Driven Decision Making		3		ECON 4510 or	International Trade and Finance or			
DS 3841	Mgmt. Information Systems		3		FIN 4910	Multinational Financial Mgt.		3	
ECON 3320, 3810 or 3820			3		MKT 3400	Principles of Marketing		3	
ECON 3610	Business Statistics I		3		Business Elective ⁴			3	
FIN 3210	Principles of Managerial Finance		3		Finance Electives ⁴			9	
FIN 3220	Intermediate Financial Mgt.		3		Non-Business Electives ⁴			6	
FIN 3830	Fundamentals of Investment		3						
LAW 3810	Business Legal Environment & Ethics			3					
	Total		30		Total			30	

¹ Natural science, choose from: BIOL 1010-1020 or BIOL 1110-1120; CHEM 1110-1120; PHYS 2010-2020: or GEOL 1040-1050.

² Courses must be selected from the VSCC/TTU Transfer Equivalency table www.tntech.edu/transfers/transfertablesagreements/

³ Fine arts electives, choose one from: ART 1030, MUS 1030, PHIL 1030 or THEA 1030.

⁴ Elective 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-

MARKETING**VOLUNTEER STATE COMMUNITY COLLEGE**

Freshman Year		F	SP	Sophomore Year		F	SP
INFS 1010	Computer Applications	0	3	ACCT 1010, 1020	Principles of Accounting I, II	3	3
SPCH 1010 or 103	Fund. of Speech Communication			ECON 2010, 2020	Macroeconomics, Microeconomics	3	3
	Public Speaking	3	0	ENGL Literature		3	0
ENGL 1010, 1020	English Composition I, II	3	3	HIST 2010, 2020	Survey of American History I, II	3	3
MATH 1130, 1830	College Algebra; Intuitive Calc.	3	3	Non-Business Elective ²		0	3
Natural Science ¹		4	4	Humanities/Fine Arts Electives ³		3	3
Non-Business Electives ²		1	3				
	Total	14	16	Total		15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Junior Year				Senior Year			
BMGT 3510	Mgmt. & Organization Behavior	3		BMGT 4930	Business Strategy		3
DS 3520	Operations Management	3		MKT 4620	Marketing Research		3
DS 3620	Business Analytics: Data Driven Decision Making		3	MKT 4730	Marketing Strategy		3
DS 3841	Management Information Systems	3		Marketing Electives ⁴			12
ECON 3320, 3810 or 3820		3		Business Elective ⁴			3
ECON 3610	Business Statistics I	3		Non-Business Elective ⁴			3
FIN 3210	Principles of Managerial Finance	3		LAW 3810	Business Legal Environment & Ethics		3
MKT 3400	Principles of Marketing	3					
Marketing Elective ⁴		3					
Non-Business Elective ⁴		3					
	Total		30	Total			30

¹ Science sequence, choose from: BIOL 1010-1020 or BIOL 1110-1120; CHEM 1110-1120; PHYS 2010-2020; or GEOL 1040-1050.

² Courses must be selected from the VSCC/TTU Transfer Equivalency table www.tntech.edu/transfers/transfertablesagreements/

³ Fine arts electives, choose one from: ART 1030, MUS 1030, PHIL 1030 or THEA 1030.

⁴ Elective 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-

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 or AAS Degrees from a community college. Students fitting this category receive full admission to the Teacher Education Program upon meeting the following requirements:

1. Completion of a minimum of 30 credit hours (excluding ADP courses)
2. Attainment of a minimum overall GPA of 2.50 (excluding ADP credit)
3. Completion of ENGL 1010 and ENGL 1020 or equivalent with a grade of "C" or higher
4. Completion of FOED 1820 or FOED 1822 or equivalent with a grade of "B" or higher and FOED 2011 or equivalent with a grade of "B" or higher
5. Submission of an application for admission to the Teacher Education Program upon completion of 30 credit hours
6. Submission of the Interview Request form and satisfactory completion of interview process
7. Submission of the Background Check Authorization form and completion of the TTU background check and fingerprinting process
8. Submission of the Disposition Request form. Three satisfactory disposition assessments must be submitted by the student's: (1) advisor, (2) professional education instructor, and (3) a college instructor in the student's major teaching field
9. Submission of passing test scores on the Praxis Core Academic Skills for Educators test (Reading- 156, Writing- 165, and Math- 150). Individuals having achieved an ACT composite score of 22 or a score of 1020 on the SAT are exempt from the Praxis Core requirement. If seeking an exemption for the Praxis Core Academic Skills for Educators testing requirement, the student must provide official copies of ACT or SAT scores. Passing Pre-Professional Skills Test (PPST) results will be accepted in lieu of the Praxis Core exam throughout a grace period during the transition to the new Praxis Core exam. The grace period will end on July 14, 2014. PPST tests that are taken before July 15, 2014 will be accepted for up to five years following the date the test was taken.

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 <https://www.tntech.edu/education/teachered/admission-to-tep/>. Forms cannot be submitted online without a Tennessee Technological University student identification number (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 <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 <https://www.tntech.edu/education/teachered/>.

OFFICE OF TEACHER EDUCATION

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

Students who completed the AST (Associate 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 following requirements:

1. Submission of an application for admission to the Teacher Education Program upon completion of 30 credit hours
2. Submission of the Interview Request form and satisfactory completion of interview process
3. Submission of the Background Check Authorization form and completion of the TTU background check and fingerprinting process
4. Submission of official copies of passing test score on the Praxis Core Academic Skills for Educators test (Reading- 156, Writing- 165, and Math- 150). Individuals having achieved an ACT composite score of 22 or a score of 1020 on the SAT are exempt from the Praxis Core requirement. If seeking an exemption for the Praxis Core Academic Skills for Educators testing requirement, the student must provide official copies of ACT or SAT scores. Passing Pre-Professional Skills Test (PPST) results will be accepted in lieu of the Praxis Core exam throughout a grace period during the transition to the new Praxis Core exam. The grace period will end on July 14, 2014. PPST tests that are taken before July 15, 2014 will be accepted for up to five years following the date the test was taken. COPIES OF PASSING TEST SCORES MUST BE SENT TO BOTH TTU AND THE STUDENT'S COMMUNITY COLLEGE.

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 <https://www.tntech.edu/education/teachered/admission-to-tep/>. Forms cannot be submitted online without a Tennessee Technological University student identification number (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 <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 <https://www.tntech.edu/education/teachered/>.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

COMPREHENSIVE SPECIAL EDUCATION (K-12)

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year		F	SP	Sophomore Year		F	SP
BIOL 1030	Essentials of Biology	4	0	EDU 2200	Educational Psychology	3	0
PSCI 1030	Intro to Physical Science	0	4	ENGL Literature		3	3
SPCH 1010 or 103	Fund. of Speech Communication or Public Speaking	0	3	HIST 2010, 2020	Survey of American History I, II	3	3
EDU 101	Introduction to Education	3	0	MATH 1410, 1420	Structure of Math Systems I, II	3	3
ENGL 1010, 1020	English Composition I, II	3	3	Humanities/Fine Arts Elective		0	3
Social/Behavioral Science Elective		3	0	GEOL 1030	Essentials of Geology	4	0
ECED 2310	Safe, Healthy Learning Environment	0	3	GEOG 2010	World Regional GeograpHy	0	3
MATH Elective		0	3				
Total		13	16	Total		16	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Junior Year			Senior Year		
ART 3200	Art Applications I	2	CFS 3600	Family, Community & Professional Partnerships	2
EXPW 4520	Adapted Physical Activity and Sport	3	SPED 4871	Residency I	5
FOED 3010	Integrating Instructional Technology into the Classroom	3	SPED 4872	Professional Seminar I	5
FOED 3810	Field Experiences in Education	2	SPED 4881	Residency II	10
MUS 1074	Music to Meet Exceptional Ed Needs	1	SPED 4882	Professional Seminar II	2
READ 3313	Literacy for Special Populations	5			
SPED 2010	Intro to Special Education	3			
SPED 3020	Characteristics/Needs of Persons w/ Dis	3			
SPED 3031	Physical Management & Support for Ortho. & Special Health Impaired	3			
SPED 3050	Universal Design for Special Ed	5			
SPED 4030	Applied Behavior Analysis for Teachers	3			
SPED 4200	Teaching Students with Autism Spectrum Disorders	3			
Total		36	Total		24

¹Courses must be selected from the VSCC/TTU Transfer Equivalency table www.tntech.edu/transfers/transfertablesagreements/

MODIFIED SPECIAL EDUCATION (K-12)
VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year		F	SP	Sophomore Year		F	SP
BIOL 1030	Essentials of Biology	4	0	ENGL Literature		3	3
PSCI 1030	Intro to Physical Science	0	4	HIST 2010, 2020	Survey of American History I, II	3	3
SPCH 1010 or 103	Fund. of Speech Communication or Public Speaking	0	3	MATH 1410, 1420	Structure of Math Systems I, II	3	3
EDU 101	Introduction to Education	3	0	Humanities/Fine Arts Elective		0	3
ENGL 1010, 1020	English Composition I, II	3	3	GEOL 1030	Essentials of Geology	0	4
GEOG 2010	World Regional Geography	3	0	EDU 2200	Educational Psychology	3	0
Social/Behavioral Science Elective		0	3	ECED 2310	Safe, Healthy Learning Environments	3	0
MATH Elective		0	3				
Total		13	16	Total		15	16

TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Junior Year			Senior Year	
ART 3200	Art Applications I	2	CFS 3600	Family, Community & Professional Partnerships
FOED 3010	Integrating Instructional Technology into the Classroom	3	SPED 4871	Residency I
FOED 3810	Field Experiences in Education	2	SPED 4872	Professional Seminar I
MUS 1074	Music to Meet Exceptional Ed Needs	1	SPED 4881	Residency II
READ 3313	Literacy for Special Populations	5	SPED 4882	Professional Seminar II
SPED 2010	Intro to Special Education	3	SPED 4100	Collaborative and Inclusive Special Populations Practice
SPED 3030	The Education of Persons with Learning Disabilities	3		
SPED 3031	Physical Management & Support for Ortho. & Special Health Impaired	3		
SPED 3050	Universal Design for Special Ed	5		
SPED 4030	Applied Behavior Analysis for Teachers	3		
SPED 4200	Teaching Students with Autism Spectrum Disorders	3		
Total		35	Total	
			27	

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

**MULTIDISCIPLINARY STUDIES: MIDDLE SCHOOL
(4-8 LICENSURE)**

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year		F	SP	Sophomore Year		F	SP
BIOL 1030	Essentials of Biology	4	0	PSCI 1030	Introduction to Physical Science	4	0
GEOL 1030	Essentials of Geology	0	4	Humanities/Fine Arts Elective		3	0
SPCH 1010 or 103	Fund. of Speech Communication or Public Speaking	0	3	ENGL Literature		3	3
EDU 101	Introduction to Education	3	0	GEOG 1030	Cultural Geography	0	3
EDU 2200	Educational Psychology	0	3	HIST 2010, 2020 Survey of American History I, II		3	3
ENGL 1010, 1020	English Composition I, II	3	3	MATH 1410, 1420 Structure of Math Systems I, II		3	3
Social/Behavioral Science Elective		3	0	MATH 1130		0	3
HIST 1110	World Civilization from Primitive Culture to 1650	0	3				
Total		13	16	Total		16	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Junior Year			Senior Year		
ART 3200 or MUS 3530		2-3	HEC 3500	Development: Middle Childhood/Adolescence	3
ELED 3140	Teaching of Social Studies	2	ELED 4871	Residency I	5
READ 3350	Teaching Reading in the Content Areas	3	ELED 4872	Professional Seminar I	5
ELED 3152	Teaching of Mathematics	3	ELED 4881	Residency II	10
ELED 4140	Science for Elementary Teachers	2	ELED 4882	Professional Seminar II	2
ESLP 4100	ESL Methodology & Materials for PreK-12	3			
FOED 3010	Integrating IT into the Classroom	3			
FOED 3800, 3810	Field Experiences in Education	4			
HIST 3100 or 2030		3			
READ 3312	Literacy II-Middle School Reading Program	5			
SPED 3000	Teaching Persons with Disabilities in the Regular Classroom	3			
Total		35	Total		25

Must provide evidence of first aid/safety/CPR training as prerequisite for student teaching.

COLLEGE OF ENGINEERING

DEPARTMENT OF CHEMICAL ENGINEERING

CHEMICAL ENGINEERING

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year	F	SP	Sophomore Year	F	SP
CHEM 1110, 1120 General Chemistry I, II	4	4	CHEM 2010, 2020 Organic Chemistry I, II	4	4
SPCH 1010 or 103 Fund. of Speech Communication or Public Speaking	3	0	ENGL Literature	3	0
ENGR 210 C++ for Engineers	0	3	HIST 2010, 2020 Survey of American History I, II ¹	3	3
ENGL 1010, 1020 English Composition I, II	3	3	MATH 2110 Calculus & Analytic Geometry III	3	0
MATH 1910, 1920 Calculus & Analytic Geometry I, II	4	4	MATH 2120 Differential Equations	0	4
Humanities/Fine Arts Elective	3	0	PHYS 2110, 2120 Calculus-Based Physics I, II	4	4
Social/Behavioral Science Elective	0	3	Humanities/Fine Arts Elective	3	0
			Social/Behavioral Science Elective	0	3
Total	17	17	Total	20	18

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Pedro Arce, Department Chairperson - Prescott Hall 214, Phone: (931) 372-3297
(Recommend the advisor be contacted prior to transfer.)

Junior Year²		Senior Year	
CHE 1520 Intro to Chemical and Biological Process Analysis and Scaling I	3	CHE 4131 Transfer Science III: Diffusion and Diffusive-Convective Mass Transfer	4
CHE 2020 Intro to Chemical and Biological Process Analysis and Scaling II	3	CHE 4210 Chemical Reaction Engineering	4
CHE 3010 Thermodynamics of Chemical Processes	3	CHE 4240 CHE Capstone Laboratory	1
CHE 3111 Transfer Science I: Conduction, Radiation, and Diffusion	4	CHE 4410, 4420 Process Design I, II	6
CHE 3021 Separations and Solution Thermodynamics	4	CHE 4540 Process Dynamics & Control	3
CHE 3121 Transfer Science II: Fluid Mechanics	4	ChE Technical Electives ⁴	6
CHE 3730 CHE Operations	3	CHE 4910 Professionalism and Ethics in CHE	1
CEE 2110, ECE 3810 or BIOL 3200 Technical Elective ³	3	CHEM 3510, 3520 Physical Chemistry	8
Total	29	Total	33

¹American History 2010, 2020 are not required for B.S. 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 & Biological Processes
- c. ChE 4950--MEMS
- d. ChE 4990--Undergraduate to Research

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

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

COMPUTER ENGINEERING

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 English Composition I, II	3	3	ENGL Literature	0	3
MATH 1910, 1920 Calculus and Analytic Geometry I, II	4	4	SPCH 1010 or 103 Fund. of Speech Communication or Public Speaking	0	3
CHEM 1110 General Chemistry I	4	0	PHYS 2110, 2120 Calculus-Based Physics I, II	4	4
Humanities/Fine Arts Elective	0	3	MATH 2120 Differential Equations	0	4
Social/Behavioral Science Elective	0	3	MATH 2110 Calculus and Analytic Geometry III	3	0
HIST 2010, 2020 Survey of American History I, II ³	3	3	Humanities/Fine Arts Elective	3	0
			Social/Behavioral Science Elective	3	0
Total	14	16	Total	13	14

TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Third Year	F	SP	Fourth Year	F	SP
CSC 2100, 2101 Intro to Problem Solving and Computer Programming, Lab	4	4	ECE 3020 Discrete-Time Signals and Systems	3	3
CSC 2110, 2111 Data Structures and Algorithms, Lab	4	4	ECE 3300 Electronics I	3	3
CSC 2500 Unix Lab	1	1	ECE 3160 Digital Systems Laboratory	1	1
ECE 2001 Computer Aided Engineering in ECE	1	1	ECE 3120 Microcomputer Systems	3	3
ECE 2010 Electric Circuits I	3	3	CSC 2400 Design of Algorithms	3	3
ECE 2011 EE Lab I	1	1	CSC 3030 Practical and Professional Issues in Computer Science	1	1
ECE 2020 Electric Circuits II	3	3	CSC 4200 Computer Networks	3	3
ECE 2110 Intro to Digital Systems	3	3	ECE 4910 Professional Issues in ECE	1	1
ECE 3010 Signals & Systems	3	3			
ECE 3060 EE Lab II	1	1			
MATH 2010 Matrix Algebra	3	3			
MATH 3470 Introductory Probability and Statistics	3	3			
Total	30	30	Total	18	18

Fifth Year	F	SP
ECE 4961, 4971 Capstone Design I, II	6	6
ECE 4110 Digital System Design	3	3
ECE 4120 Fundamentals of Computer Design	3	3
ECE 4140 Embedded System Design	3	3
EE Laboratory Elective ²	1	1
EE Elective ²	3	3
CmpE Elective ²	3	3
CSC 4100 Operating Systems	3	3
CS Elective ²	3	3
Total	27	27

¹American History 2010, 2020 are not required for B.S. degree in Computer Engineering.

²Select from the ECE Department approved list.

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

DEPARTMENT OF MANUFACTURING AND ENGINEERING TECHNOLOGY

ENGINEERING TECHNOLOGY

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year		F	SP	Sophomore Year		F	SP
CHEM 1110	General Chemistry I	4	0	ENGL Literature		3	0
SPCH 1010 or 103	Fund. of Speech Communication or Public Speaking	0	3	HIST 2010, 2020	Survey of American History I, II	3	3
ENGR 101, 102	Engineering Graphics w/CAD I, II	3	3	PHYS 2010, 2020 or 2110, 2120		4	4
ENGR 130	Introduction to Engineering	1	0	PSYC 1030	General Psychology	3	0
ENGL 1010, 1020	English Composition I, II	3	3	ENGR 210	C++ for Engineers	0	3
MATH 1710, 1720	Pre-Calculus I, II	3	3				
ECON 2010 or 2020		0	3				
Total		14	15	Total		16	13

TENNESSEE TECHNOLOGICAL UNIVERSITY

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		
MATH 1845	Technical Calculus	3	ACCT 3720	Survey of Accounting	3
MET 1100	Intro to Manufacturing Engineering Technology	2	BMGT 3510	Management & Organization Behavior	3
MET 2000	Occupational Safety	2	DS 3520	Operations Management	3
MET 2063	Metal Manufacturing Technology	3	MET 4200	Industrial Electronics	3
MET 2400	Statics and Strength of Materials	3	MET 4310	Plant Layout & Materials Handling	3
MET 3000	Principles of Metal Casting	2	MET 4615	Engineering Technology Ethics and Professionalism	3
MET 3130	Maintenance Technology I	3	MET 4620	Senior Projects	3
MET 3200	Applied Electricity and Electronics	3	Area of Emphasis ²		12
MET 3301	CAD for Technology	2			
MET 3700	Manufacturing Cost Estimating	2			
MET 3710	Methods Design	2			
MET 3730	Quality Assurance	2			
ECON 3610	Business Statistics I	3			
ME 3110	Physical Metallurgy & Heat Treatment	3			
Business Elective ¹		3			
Total		38	Total		33

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

² Select one of the following emphases:

Emphasis I - Manufacturing Engineering Technology

MET 3060, MET 3403 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; ESS3710, and MET 4430

Emphasis II - Technology Management

Select 4 courses from: BMGT 3630, BMGT 4520, DS 3620, DS 3540, FIN 3210, LAW 3810, MET 4010, MET 4430, MKT 3400, PSY 3400

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

COLLEGE OF INTERDISCIPLINARY STUDIES

INTERDISCIPLINARY STUDIES (B.S.) (LIST)

Organizational Development: Psychology and Human Behavior

VOLUNTEER STATE COMMUNITY COLLEGE

Freshman Year		F	SP	Sophomore Year		F	SP
Natural Sciences		4	4	ENGL Literature		3	0
SPCH 1010 or 103	Fund. of Speech Communication or			HIST 2010, 2020	Survey of American		
	Public Speaking	3	0		History I, II	3	3
ENGL 1010, 1020	English Composition I, II	3	3	Humanities/Fine Arts Electives		3	3
MATH ¹		0	3	Electives ²		6	9
PSYC 1030	General Psychology,						
SOCI 1010	Introduction to Sociology	3	3				
Electives ²		2	2				
Total		15	15	Total		15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Jeannie Smith, Jere Whitson, Phone (931) 372-3394

Junior Year			Senior Year		
BMGT 3510	Management & Org. Behavior	3	BMGT 3630	Human Resource Management	3
PSY 3000	Problem Solving	3	FOED 3310	Micros in Employment/Ed	2
PSY 3000-4000	Elective	3	FOED 4340	Technology for Presentations	3
PSY 3400	Industrial Psychology	3	LAW 3810	Business Legal Environment	
PSY 3410	Group Dynamics	3		and Ethics	3
PSY 4150	Psychology of Personality	3	LIST 4850	Topics in Org Development	3
PSY 4923	Special Topics: Multi-Culti Issues	3	MET 3710	Methods Design	2
SOC 3300	Occupational Sociology	3	MET 3730	Quality Assurance	2
SOC 4430	People in Organizations	3	MET 4010	Technical Communications	3
			MET 3000-4000	Upper Division	2-3
			SPAN 3550	Latin America: Country/People	3
			UNIV 4114	PRST/LIST Internship	4
			UNIV 4996	PRST/LIST Projects	4
Total		27	Total		33-34

¹Select from the General Education Core.

²Courses must be selected from the VSCC/TTU Transfer Equivalency table www.tntech.edu/transfers/transfertablesagreements/

The BS/LIST degree requires a minimum of 120 hours. Students without an Associate's degree may need to take electives or prerequisite credits.

DEGREE REQUIREMENTS

Students holding an A.S., A.A. and A.A.S. degrees: The B.S. degree requires a minimum of 120 hours, 60 hours must transfer as an A.S., A.A. or A.A. S. degree, and **60 hours minimum must be taken at a four-year institution.** Students must have a minimum of 45 hours at the 3000 or 4000 level with at least 12 of these hours at the 4000 level. To meet residence requirements, a student must complete 30 hours, including 24 of the last 30 hours of 3000 and 4000 level courses, at TTU.

PREREQUISITE REQUIREMENTS

Students holding A.A.S. degrees: The general education requirements for TTU must be met, some of which are included in the degree plan above. In addition, if these requirements were not included in the A.A.S. degree, they must be taken: English Composition, 3 hours; Oral Communication (speech-based), 3 hours; Math, 3 hours (requiring 2 years of Algebra and 1 year of Geometry in high school); Humanities/Fine Arts, 3 hours; Social/Behavioral Sciences, 6 hours; and Natural Sciences, 8 hours.

Students holding A.S. or A.A. degrees: The general education requirements for TTU must be met.

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