

# TRANSFER AGREEMENT

2014-15

Roane State Community College

Tennessee Technological University

*Use this as a guide to make your way through Roane 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 Roane 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 Roane State.
3. Students entering Roane State must meet all the standards and follow the procedures of the current Roane 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 Roane 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 Roane 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 & 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	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 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		
Student Success Center	Jere Whitson 131A	372-6238
School of Nursing	Ben Clark, Academic Advisor, 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

# COLLEGE OF AGRICULTURE AND HUMAN ECOLOGY

## SCHOOL OF AGRICULTURE

### AGRIBUSINESS MANAGEMENT

#### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
INFS 1010 Computer Applications	0	3	ACCT 1010, 1020 Principles of Accounting I, II	3	3
ENGL 1010, 1020 Composition I, II	3	3	ECON 2010, 2020 Macroeconomics, Microeconomics	3	3
HIST 2010, 2020 U.S. History I, II	3	3	ENGL 2310 or 2320		
MATH 1130 College Algebra	3	0	World Literature I or II <u>OR</u>		
MATH 1530, 1630, 1830 or 1910	0	3-4	ENGL 2210 or 2220		
CHEM 1010, 1020 or CHEM 1110, 1120	4	4	British Literature I or II <u>OR</u>		
Humanities/Fine Arts Elective <sup>1</sup>	3	0	ENGL 2110 or 2120		
			American Literature I or II	0	3
			SPCH 1010 Fundamentals of Speech	3	0
			Humanities/Fine Arts Elective <sup>1</sup>	0	3
			BIOL 1110, 1120 General Biology I,II	4	4
Total	16	16-17	Total	13	16

#### TENNESSEE TECHNOLOGICAL UNIVERSITY

#### Agribusiness Management Concentration - Bachelor of Science Degree

Advisor: Dr. Thomas Riley, Interim Director; School of Agriculture; Box 5034; Cookeville, TN 38505

Junior Year	Senior Year
AGBE 2100 Economics of Agriculture	AGBE 4120 Environmental & Natural Resource Economics
AGBE 3110 Agricultural Marketing and Futures	AGBE 4130 Agricultural Policy
AGBE 3400 Agricultural Finance	AGBE 4210 Agricultural & Biological Statistics
AGBE 4030 Agribusiness Management	AGR 4930 Senior Seminar
AGET 2110, 2115 or 3110, 3115	Upper Division Business or Economics Electives
AGR 1020 Connections to Agriculture	Upper Division Agriculture Electives <sup>3</sup>
ANS 1200 Introductory Animal Science	Electives <sup>2</sup>
AGRN 1100 Plant Science	
AGRN 3210, 3220 Soils, Lab	
Upper Division Agriculture Electives <sup>3</sup>	
Upper Division Business or Economics Elective	
Total	Total
35	25

(Note: A student would be able to qualify for consideration into the MBA program at Tennessee Tech by completing the following courses as Business/Economics electives: MKT 3400, BMGT 3510, FIN 3210, DS 3620, LAW 3810 and ECON 3610.)

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>May not be a course in agriculture. Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>3</sup>Selected from the following disciplines: AGBE, AGED, AGET, AGHT, AGRN and ANS. No more than one course may be selected from any of these disciplines.

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

## AGRICULTURAL ENGINEERING TECHNOLOGY

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	INFS 1010 Computer Applications	3	0
HIST 2010, 2020 U.S. History I, II	3	3	ENGL 2310 or 2320		
MATH 1130, 1530, 1630, 1730, 1830 or 1910 (Select two)	3	3-4	World Literature I or II <u>OR</u> ENGL 2210 or 2220		
CHEM 1010, 1020 or CHEM 1110, 1120	4	4	British Literature I or II <u>OR</u>		
Social/Behavioral Science Elective <sup>1</sup>	3	0	ENGL 2110 or 2120		
			American Literature I or II	3	0
			SPCH 1010 Fundamentals of Speech	0	3
			Humanities/Fine Arts Electives <sup>2</sup>	3	3
			BIOL 1110, 1120 or PHYS 2010, 2020	4	4
			Social/Behavioral Science Elective <sup>1</sup>	0	3
			Electives	1-2	3
Total	16	13-14	Total	14-15	16

### TENNESSEE TECHNOLOGICAL UNIVERSITY

#### AGRICULTURAL ENGINEERING TECHNOLOGY CONCENTRATION - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. , Director; School of Agriculture; Box 5034; Cookeville, TN 38505

Junior Year		3	3	Senior Year		3	3
ACCT 3720 Survey of Accounting		3		AGBE 3110 Agricultural Marketing and Futures		3	
AGBE 2100 Economics of Agriculture		3		AGBE 4030 Agribusiness Management		3	
AGET 2110, 2115 Agricultural Engineering Technology		3		AGET 3510, 3560, 3565, 4620, 4940, 4950, 4960, 4970, 4980; or AGR 4920, 3940, 3950 3960			
AGET 3110, 3115 Natural Resource Systems		3		(Select one)			1-4
AGET 3320, 3325 Small Power Equipment		3		AGET 4220 Agricultural Machinery & Tractors		2	
AGET 3620 Computer Aided Design in Agriculture		3		AGET 4225 Agricultural Machinery & Tractors Lab		1	
AGR 1020 Connections to Agriculture		1		AGET 4610 Greenhouse Structures & Landscaping			
ANS 1210 Introductory Animal Science Lab		1		Equipment		3	
AGRN 1100 Plant Science		3		AGET 4720 Agricultural Processing		3	
AGRN 1110 Plant Science Lab		1		AGR 4930 Senior Seminar		2	
AGRN 3210, 3220 Soils, Lab		4		Upper-division Agricultural Elective <sup>3</sup>		3	
ANS 1200 Introductory Animal Science		3		Upper-division Agricultural Electives <sup>4</sup>		6	
MET 2000 Occupational Safety		2					
Total		33		Total		27	

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table  
<http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table  
<http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>3</sup>Select any course from any Agriculture discipline.

<sup>4</sup>No more than one course from any Agriculture discipline (AGBE, AGED, AGET, AGHT, AGRN and ANS).

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

# ANIMAL SCIENCE

10/15/14

## ROANE STATE COMMUNITY COLLEGE

### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	BIOL 1110, 1120 General Biology I, II	4	4
HIST 2010, 2020 U.S. History I, II	3	3	INFS 1010 Computer Applications	3	0
MATH 1130, 1530, 1630, 1830 or 1910 (Select two)	3	3-4	ENGL 2310 or 2320		
CHEM 1010, 1020 or 1110, 1120	4	4	ENGL 2210 or 2220		
Electives <sup>1</sup>	3	2	World Literature I or II <u>OR</u>		
			British Literature I or II <u>OR</u>		
			ENGL 2110 or 2120		
			American Literature I or II	0	3
			SPCH 1010 Fundamentals of Speech	0	3
			Humanities/Fine Arts Electives <sup>2</sup>	3	3
			Social/Behavioral Science Electives <sup>2</sup>	3	3
Total	16	15-16	Total	13	16

TENNESSEE TECHNOLOGICAL UNIVERSITY  
 ANIMAL SCIENCE CONCENTRATION - BACHELOR OF SCIENCE DEGREE  
 Advisor: Dr. , Director; School of Agriculture; Box 5034; Cookeville, TN 38505

Junior Year	F	SP	Senior Year	F	SP
AGBE 2100 Economics of Agriculture	3	3	AGR 4930 Senior Seminar	2	2
AGET 2110, 2115 or 3110, 3115	3	3	AGRN 4110 Forage Crops Production & Mgmt.	4	4
AGR 1020 Connections to Agriculture	1	1	ANS 3020 Feeds & Feeding	3	3
ANS 1200 Introductory Animal Science	3	3	ANS 3130 Animal Breeding	3	3
ANS 1210 Introductory Animal Science Lab	1	1	4000-Level ANS Production Courses	6	6
ANS 2020, 2110 Livestock Mgmt., Livestock Eval.	6	6	Upper-division Agriculture Electives <sup>3</sup>	6	6
ANS 3010 Animal Nutrition	3	3	BIOL 3200 or 3230		
ANS 3140 Reproduction in Farm Animals	3	3	Microbiology	4	4
ANS 3150 Common Diseases & Parasites of			CHEM 3005 or ESS 3710	4-3	4-3
Domestic Animals	3	3			
AGRN 1100 Plant Science	3	3			
AGRN 1110 Plant Science Lab	1	1			
AGRN 3210, 3220 Soils, Lab	4	4			
Total	34	34	Total	31-32	31-32

<sup>1</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table  
<http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table  
<http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>3</sup>No more than one course from any Agriculture discipline (AGBE, AGED, AGET, AGHT, AGRN and ANS).

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

10/15/14

# SCHOOL OF HUMAN ECOLOGY

## HUMAN ECOLOGY

### CHILD DEVELOPMENT AND FAMILY RELATIONS

ROANE STATE COMMUNITY COLLEGE

A.A.S. EARLY CHILDHOOD EDUCATION DEGREE

Freshman Year		Sophomore Year	
ENGL 1010, 1020	Composition I, II	6	
ECED 1310	Intro to Early Childhood Education	2	ECED 2340
ECED 2310	Safe, Healthy, Learning Environment	3	Family Dynamics & Community Involvement
ECED 2315	Early Childhood Curriculum	3	ECED 2360
ECED 2320	Infant, Toddler Child Development	3	Developmental of Exceptional Children
ECED 2335	Clinical Practicum I	3	ECED 2370
MATH 1530	Probability and Statistics	3	Development Assessment
SPCH 1010	Fundamentals of Speech	3	ECED 2380
Natural Science		4	Language & Literacy in Early Childhood
			ECED 2385
			Math & Science in Early Childhood
			ECED 2365
			Final Practicum
			ECED Electives
			Humanities/Fine Arts Elective <sup>1</sup>
			PSYC 1030
			General Psychology
			ARTH or MUS 1030
Total		31	Total
			30

TENNESSEE TECHNOLOGICAL UNIVERSITY

HUMAN ECOLOGY

(CHILD DEVELOPMENT & FAMILY RELATIONS CONCENTRATION) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Melinda Anderson, Director, School of Human Ecology

(931) 372-3157

Transition-Roane State		Senior Year	
SOCI 1010	Intro to Sociology	3	ECSP 4300
ENGL 2110, 2120, 2210, 2220, 2310 or 2320		3	Assessment of Young Children
Total		6	HEC 3011
			Consumer Economics
Junior Year			HEC 3500
Natural Science		4	Development: Middle Childhood/Adolescence
ECSP 3001	Curriculum for Infants, Toddlers & Preschoolers	3	HEC 3600
ECSP 3211	Practicum: Procedures for Infants, Toddlers and Preschoolers	1	Interpersonal Relationships
HIST 2010, 2020	American History I, II	6	HEC 3700
HEC 1005	Intro to Human Ecology	1	Development: Young Adulthood/Aging
HEC 1020	Social and Professional Etiquette	1	HEC 4000
HEC 1030	Nutrition	2	Senior Seminar in Human Ecology
HEC 2065	Families in Society	3	HEC 4065
HEC 2510	Creative Play	3	Social Policy for Children and Families
HEC 3520	Parent Ed & Child Guidance	2	HEC 4600
HEC 3066	Family Violence across the Lifespan	3	Theories in Family Development & Relationships
UNIV 1020	First-Year Connections	1	HEC 4610
			Families: Normative/Catastrophic Issues
			HEC 4630
			Family Life Education
			HEC 4990
			Internship
			ECSP 4300
			Assessment of Young Children
			EXPW 2150
			Human Sexuality
			SOC 3650
			Juvenile Delinquency
			HEC Electives <sup>3</sup>
			HEC core <sup>2</sup>
Total		30	Total
			52

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>HEC-CDFR students may select 6 credits from the HEC core list of courses.

HEC 1010	Life Span Development	3
HEC 2031	Aspects of Dress	3
HEC 2041	Intro to Aspects of Housing & Furnishings	3

<sup>3</sup>Total credit hours for program must total to 120 hours. Three hours must be upper-division.

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



## HUMAN ECOLOGY FOOD, NUTRITION, AND DIETETICS

### ROANE STATE COMMUNITY COLLEGE

#### A.S. DEGREE

Freshman Year		Sophomore Year	
CHEM 1010, 1020 Intro Chemistry I, II	8	BIOL 1110 General Biology I	4
ENGL 1010, 1020 Composition I, II	6	BIOL 2010, 2020 Human Anatomy and Physiology I, II	8
MATH 1130 College Algebra	3	ENGL 2310 or 2320 World Literature I or II <u>OR</u>	
MATH 1530 Probability and Statistics	3	ENGL 2210 or 2220 British Literature I or II <u>OR</u>	
PSYC 1030 General Psychology	3	ENGL 2110 or 2120 American Literature I or II	3
SPCH 1010 Fundamentals of Speech	3	SOCI 1010 or 2110	3
Humanities/Fine Arts Electives <sup>1</sup>	3	HEA 201 Principles of Nutrition	3
Elective	1	HIST 2010, 2020 U.S. History I, II	6
		Humanities/Fine Arts Electives <sup>1</sup>	3
Total	30	Total	30

### TENNESSEE TECHNOLOGICAL UNIVERSITY

#### HUMAN ECOLOGY (Food, Nutrition and Dietetics Concentration) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Melinda Anderson, Director, School of Human Ecology

Phone: (931) 372-3157

Junior Year		Senior Year	
CHEM 3005 Elementary Organic Chemistry	4	BIOL 3230 Health Science Microbiology	4
HEC 1005 Intro to Human Ecology	1	BMGT 3510 Management & Organization Behavior	3
HEC 1010 Life Span Development	3	CHEM 4500 Physiological Chemistry	3
HEC 1020 Social Intelligence and Professional Etiquette	1	HEC 3290 Nutrition through the Life Cycle	3
HEC 2031or HEC 2041	3	HEC 4000 Senior Seminar in Human Ecology	1
HEC 2065 Families in Society	3	HEC 4200 Advanced Nutrition	3
HEC 2240 Food Preparation and Management	4	HEC 2220 Medical Terminology for Human Sciences	1
HEC 3011 Consumer Economics	3	HEC 4242 Food Systems Administration	3
HEC 3201 Community Nutrition	3	HEC 4271 Medical Nutrition Therapy	3
HEC 3270 Nutrition in Disease	3	HEC 4272 Clinical Dietetics	3
HEC 3240 Quantity Food Production	4	HEC 4990 Nutrition, Fitness and Wellness	2
UNIV 1020 First-Year Connections	1	HEC 4994 Field Experience-Health Care*	3
Total	33	Total	34

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

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

<sup>1</sup>The 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](http://www.tntech.edu/hec) for application details.

<sup>2</sup>The 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](mailto:acend@eatright.org)

<http://www.eathright.org/ACEND/>

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

## HUMAN ECOLOGY HOUSING AND DESIGN

### ROANE STATE COMMUNITY COLLEGE

#### A.S. DEGREE

Freshman Year		Sophomore Year	
CHEM 1010, 1020 Intro Chemistry I, II	8	ECON 2010, 2020 Macroeconomics, Microeconomics	6
ENGL 1010, 1020 Composition I, II	6	INFS 1010 Computer Applications	3
MATH 1130 College Algebra	3	ENGL 2310 or 2320 World Literature I or II <u>OR</u>	
MATH 1530 Probability and Statistics	3	ENGL 2210 or 2220 British Literature I or II <u>OR</u>	
PSYC 1030 General Psychology	3	ENGL 2110 or 2120 American Literature I or II	3
SPCH 1010 Fundamentals of Speech	3	SOCI 1010 or 2110	3
ARTH 1030 Art Appreciation	3	HEA 131 or 201	2-3
ARTP 1110 Two Dimensional Design	3	HIST 2010, 2020 U.S. History I, II	6
		Humanities/Fine Arts Elective <sup>1</sup>	3
		Elective	1
Total	32	Total	28

### TENNESSEE TECHNOLOGICAL UNIVERSITY

#### HUMAN ECOLOGY (HOUSING AND DESIGN CONCENTRATION) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Melinda Anderson, Director; School of Human Ecology

Phone: (931) 372-3157

Junior Year		Senior Year	
HEC 1005 Intro to Human Ecology	1	HEC Core <sup>2</sup>	3
HEC 2041 Aspects of Housing & Furnishings	3	HEC 3011 Consumer Economics	3
HEC 2065 Families in Society	3	HEC 4000 Professional Integration & Communication Techniques	1
HEC 2411 Practicum: Housing & Design	1	HEC 4450 Commercial Design	3
HEC 2421 Architectural Graphics & Presentation Techniques	3	HEC 4460 Historical and Contemporary Architecture and Furnishings	3
HEC 2431 Residential Design I	3	FIN 3410 Principles of Real Estate	3
HEC 2440 Computer Aided Design of Residence	3	HEC Upper-Division Electives	6
HEC 2460 Interior Architecture Codes and Standards	2	MKT 3400 Principles of Marketing	3
HEC 3310 Textiles I	3		
HEC 3320 Textiles II	3		
HEC 3420 Housing	3		
HEC 3431 Residential Design II	3		
HEC 3350 Merchandising I	3		
UNIV 1020 First-Year Connections	1		
Total	35	Total	25

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table  
<http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>HEC Core

HEC 1010 Life Span Development	3
HEC 1020 Social Intelligence	1
HEC 2031 Aspects of Dress	3

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

# HUMAN ECOLOGY MERCHANDISING AND DESIGN

## ROANE STATE COMMUNITY COLLEGE

### A.S. DEGREE

Freshman Year	Sophomore Year
CHEM 1010, 1020 Intro Chemistry I, II	8 ACCT 1010 Principles of Accounting I
ENGL 1010, 1020 Composition I, II	6 ECON 2010, 2020 Macroeconomics, Microeconomics
MATH 1130 College Algebra	3 ENGL 2310 or 2320 World Literature I or II <u>OR</u>
MATH 1530 Probability and Statistics	3 ENGL 2210 or 2220 British Literature I or II <u>OR</u>
PSYC 1030 General Psychology	3 ENGL 2110 or 2120 American Literature I or II
SPCH 1010 Fundamentals of Speech	3 SOCI 1010 Introduction to Sociology
Humanities/Fine Arts Electives <sup>1</sup>	6 HEA 131 or 201
	HIST 2010, 2020 U.S. History I, II
	Electives
Total	Total
32	28

## TENNESSEE TECHNOLOGICAL UNIVERSITY

### HUMAN ECOLOGY (MERCHANDISING AND DESIGN CONCENTRATION) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Melinda Anderson, Director; School of Human Ecology

Phone: (931) 372-3157

Junior Year	Senior Year
HEC 1005 Intro to Human Ecology	1 HEC 3310 Textiles I
HEC 1300 Clothing Construction	3 HEC 3320 Textiles II
HEC 2031 Aspects of Dress	3 HEC 4000 Senior Seminar in Human Ecology
HEC 2065 Families in Society	3 HEC 4320 Merchandise Promotion & Advertising
HEC 2311 Practicum: Merchandising & Design	1 HEC 4360 Merchandising II
HEC 2320 Analysis of Apparel and Furnishings	3 HEC 4990 Internship
HEC 3011 Consumer Economics	3 HEC 4600; IBC 4980 or 4990; SOC 3150; or PSY 3300,
HEC 3305 Fashion Forecasting	2 3400 or 3410
HEC 3350 Merchandising I	3 Upper Division Business Elective
HEC 2300, 3300, 4340 or 4301	6 HEC Elective <sup>2</sup>
HEC 4340 History of Dress	3 3
MKT 3400 Principles of Marketing	
HEC Core	Total
UNIV 1020 First-Year Connections	28
Total	
40	

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>HEC Core

HEC 1010 Life Span Development	3
HEC 1020 Social Intelligence	1
HEC 2041 Aspects of Housing and Furnishings	3

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

10/15/14

## COMMUNICATION - JOURNALISM CONCENTRATION News Editorial Option

ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	HIST 2010, 2020 U.S. History I, II	3	3
SPCH 1010 Fundamentals of Speech	0	3	POLS 1030 American Government	3	0
General Education MATH	3	0	ENGL 2310 or 2320		
Natural Science	4	4	Survey of World Literature	3	0
SOCI 1010 Intro to Sociology	3	0	PSYC 1030 General Psychology	0	3
Humanities/Fine Arts Electives <sup>1</sup>	3	3	Electives <sup>2</sup>	4	9
SOCI 2110 Cultural Anthropology	0	3			
Total	16	16	Total	13	15

TENNESSEE TECHNOLOGICAL UNIVERSITY  
COMMUNICATION (JOURNALISM CONCENTRATION) - BACHELOR OF SCIENCE DEGREE  
Advisor: Dr. Brenda Wilson, Communication Department  
Roaden University Center 376, Phone: (931) 372-3060

Junior Year		3	Senior Year		6
JOUR 2200 Mass Communication in a Changing Society		3	JOUR 3740 Advertising Copy and Layout		3
JOUR 2220 News Reporting and Copy Editing		3	JOUR 3750 History of Journalism		3
JOUR 3350 Newspaper Production and Design		3	JOUR 3770 Law of Journalism		3
SPCH 2430 Interpersonal Communication		3	JOUR 4360 Magazine Production and Design		3
JOUR 3400 or 3370		3	JOUR 4820 Advanced Reporting		3
JOUR 3460 Introduction to Public Relations		3	JOUR 4930 Advanced Copy Editing		3
Emphasis Area Courses <sup>3</sup>		6	JOUR 4710 or 4830		3
SPCH 3620 Intercultural Communications		3	SOC Electives		6
Total		30	Total		30

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>3</sup>See 2013-14 Undergraduate Catalog at [www.tntech.edu/uccatalog/home](http://www.tntech.edu/uccatalog/home) for a selection of emphasis courses.

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

## COMMUNICATION - JOURNALISM CONCENTRATION Public Relations Option

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	HIST 2010, 2020 U.S. History I, II	3	3
COMM 1010 Survey of Mass Communication	0	3	ENGL 2310 or 2320		
SPCH 1010 Fundamentals of Speech	0	3	Survey of World Literature	3	0
General Education MATH	3	0	PSYC 1030 General Psychology	0	3
Natural Science	4	4	Electives <sup>2</sup>	6	4
SOCI 1010 Intro to Sociology	3	0	SOCI 1020 Social Problems	0	3
Humanities/Fine Arts Elective <sup>1</sup>	3	0	Humanities/Fine Arts Elective <sup>1</sup>	3	0
SOCI 2110 Cultural Anthropology	0	3			
Total	16	16	Total	15	13

### TENNESSEE TECHNOLOGICAL UNIVERSITY

#### COMMUNICATION (JOURNALISM CONCENTRATION) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Brenda Wilson, Communication Department

Roaden University Center 376, Phone: (931) 372-3060

Junior Year		3	3	Senior Year		3	3
JOUR 2220 News Reporting and Copy Editing		3		JOUR 3350 Newspaper Production and Design		3	
SPCH 2430 Interpersonal Communication		3		JOUR 3740 Advertising Copy and Layout		3	
JOUR 3400 or 3370		3		JOUR 3770 Law of Journalism		3	
JOUR 3460 Introduction to Public Relations		3		JOUR 4460 Public Relations/Cases & Practices		3	
JOUR 4360 Magazine Production and Design		3		JOUR 4820 Advanced Reporting		3	
JOUR 3750 History of Journalism		3		JOUR 4830 OR 4710		3	
Emphasis Area Courses <sup>3</sup>		6		JOUR 4930 Advanced Copy Editing		3	
BMGT 3510 Management & Organization Behavior		3		Emphasis Area Courses <sup>3</sup>		6	
SPCH 3620 Intercultural Communications		3		PSY 3410 Group Dynamics		3	
Total		30		Total		30	

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>3</sup>See 2014-15 Undergraduate Catalog at [www.tntech.edu/uccatalog/home](http://www.tntech.edu/uccatalog/home) for a selection of emphasis courses.

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

## GEOSCIENCES GEOLOGY CONCENTRATION

### ROANE 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 2310 or 2320		
ENGL 1010, 1020 Composition I, II	3	3	World Literature I or II <u>OR</u>		
MATH 1130, 1730 or 1910	3-4	0	ENGL 2210 or 2220		
SPCH 1010 Fundamentals of Speech	0	3	British Literature I or II <u>OR</u>		
HIST 2010, 2020 U.S. History I, II	3	3	ENGL 2110 or 2120		
Humanities/Fine Arts Elective <sup>1</sup>	3	0	American Literature I or II	0	3
Elective <sup>2</sup>	0	3	GEOL 1040, 1050 Physical Geology,		
			Historical Geology	4	4
			PHYS 2010, 2020 Non-Calculus Based Physics I, II	4	4
			Humanities/Fine Arts Elective <sup>1</sup>	3	0
			Social/Behavioral Science Electives <sup>1</sup>	3	3
Total	16-17	16	Total	14	14

### TENNESSEE TECHNOLOGICAL UNIVERSITY GEOSCIENCES - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Michael Harrison, Department Chairperson

Kittrell Hall 201, Phone: (931) 372-3121

Junior Year		Senior Year	
GEOL 2500 Geological Fundamentals	3	GEOG 4510 Theory of GIS, I	3
MATH <sup>3</sup> or Free Elective	3	GEOL 4930, 4931 Senior Thesis	6
Required courses from Geology Concentration	14-15	Directed Electives from Geology Concentration	3-4
Directed Electives from Geology Concentration	7-8	Electives	14-19
MATH 3070 Statistical Methods I	3		
Total	29-31	Total	31-29

#### Required Geology Concentration Courses (15-16 hours)

GEOL 2000 Earth Evolution and Life History	3
GEOL 3110 Principles of Mineralogy & Petrology	4
GEOL 3230 Structural Geology & Tectonics	4
GEOL 3830 Field Geology	4
GEOL 4110 Sedimentation and Stratigraphy	4

#### Geology Concentration Directed Electives (3 of 7 required; extra courses can be applied to free electives)

GEOG 1100 Global Climate Change	3
GEOL 3120 Mineralogy	4
GEOL 3350 Paleobiology	3
GEOL 3410 Paleontology	4
GEOL 4150 Geomorphology	4
GEOL 4200 Geological Exploration Techniques	4
GEOL 4210 Advanced Historical Geology	3
GEOL 4610 Optical Mineralogy & Petrography	4
GEOL 4711 Hydrogeology	4

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>3</sup>If MATH 1130 was taken then take MATH 1720; otherwise take a free elective.

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

# GEOSCIENCES ENVIRONMENTAL GEOLOGY CONCENTRATION

10/15/14

## ROANE 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 2310 or 2320		
ENGL 1010, 1020 Composition I, II	3	3	World Literature I or II <u>OR</u>		
MATH 1130, 1730 or 1910	3-4	0	ENGL 2210 or 2220		
SPCH 1010 Fundamentals of Speech	0	3	British Literature I or II <u>OR</u>		
HIST 2010, 2020 U.S. History I, II	3	3	ENGL 2110 or 2120		
Humanities/Fine Arts Elective <sup>1</sup>	3	0	American Literature I or II	0	3
			GEOL 1040, 1050 Physical Geology, Historical Geology	4	4
			PHYS 2010, 2020 Non-Calculus Based Physics I, II	4	4
			Humanities/Fine Arts Elective <sup>1</sup>	3	0
			Social/Behavioral Science Electives <sup>1</sup>	3	3
			Elective <sup>2</sup>	0	2-3
Total	16-17	13	Total	14	16-17

TENNESSEE TECHNOLOGICAL UNIVERSITY  
GEOSCIENCES - BACHELOR OF SCIENCE DEGREE  
Advisor: Dr. Michael Harrison, Department Chairperson  
Kittrell Hall 201, Phone: (931) 372-3121

Junior Year			Senior Year		
GEOL 2500 Geological Fundamentals	3	3	GEOG 4510 Theory of GIS, I		3
MATH <sup>3</sup> or Free Elective	3	3	GEOL 4930, 4931 Senior Thesis		6
Required courses from Environmental Geology Concentration	12-16	12-16	MATH <sup>3</sup> or Free Elective		3
Directed Electives from Environmental Geology Concentration	6-8	6-8	MATH 3070 Statistical Methods I		3
			Required course from Environmental Geology Concentration		6-8
			Directed Elective from Environmental Geology Concentration		3-4
			Electives		1-12
Total	30	30	Total	30	30

Required Environmental Geology Concentration Courses (21 hours)

GEOL 3200 Water Resources	3	GEOL 4410 Remote Sensing	3
GEOL 4200 Geological Exploration Techniques	4	GEOG 4650 Environmental Applications of GIS	3
GEOL 4150 Geomorphology	4	GEOL 4711 Hydrogeology	4

Environmental Concentration Directed Electives any three of the following nine courses, (9 hours)

GEOL 2000 Earth Evolution and Life History	3
AGRN 3210, 3220 Soils	3
AGRN 4220 Environmental Soil Chemistry	3
AGRN 4230 Soil Classification	3
BIOL 2110 General Botany	4
BIOL 4610 Invertebrate Zoology	3
BIOL 4840 Limnology	3
GEOG 1100 Global Climate change	3
GEOG 2000 Introduction to Meteorology	4
WFS 4500 National Wildlife Policy	3

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>3</sup>If MATH 1130 was taken then take MATH 1720; otherwise take a free elective.

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

## GEOSCIENCES GEOGRAPHIC INFORMATION SYSTEMS CONCENTRATION

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
GEOL 1040 Physical Geology	4	0	PHYS 2010, 2020 Non-Calculus Based Physics I, II	4	4
ENGL 1010, 1020 Composition I, II	3	3	Humanities/Fine Arts Electives <sup>1</sup>	3	3
CHEM 1110, 1120 General Chemistry I, II	4	4	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
HIST 2010, 2020 U.S. History I, II	3	3	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
MATH 1130, 1730 or 1910	3-4	0	ENGL 2110 or 2120 American Literature I or II	0	3
SPCH 1010 Fundamentals of Speech	0	3	Social/Behavioral Science Electives <sup>1</sup>	3	3
			Electives <sup>2</sup>	3	4
Total	17-18	13	Total	13	17

### TENNESSEE TECHNOLOGICAL UNIVERSITY

#### GEOSCIENCES: GEOGRAPHIC INFORMATION SYSTEMS CONCENTRATION - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Michael Harrison, Department Chairperson  
Kittrell Hall 201, Phone: (931) 372-3121

Junior Year	F	SP	Senior Year	F	SP
GEOL 1045 Geology and the Environment	4	0	GEOL 4930, 4931 Senior Thesis	6	0
GEOL 2500 Geologic Fundamentals	3	3	Directed Electives from GIS Concentration	3-4	0
GEOG 4510 Theory of GIS, I	3	3	Required courses from GIS Concentration	6	0
Directed Electives from GIS Concentration	6-8	0	MATH 3070 Statistical Methods I	3	0
Required courses from GIS Concentration	9	0	Electives	15-10	0
MATH or Free Elective <sup>3</sup>	3	0			
CSC 2100 or WEBD 1500	3	0			
Total	31-33	0	Total	29	0

#### Geographic Information Systems (GIS) Concentration Required Courses (15 hours)

GEOG 4210 Cartography	3
GEOL 4410 Remote Sensing	3
GEOG 4650 Environmental Applications of GIS	3
GEOG 4850 Advanced GIS	3

#### Geographic Information Systems (GIS) Concentration Directed Electives, any three of the following seven courses, (9-10 hours)

GEOG 1100 Global Climate Change	3
GEOG 1110 World Geography	3
GEOG 2100 Introduction to Meteorology	4
GEOG 3010 Geography of the U.S.	3
GEOG (GEOL) 4150 Geomorphology	4
GEOG 4511 Theory of GIS, II	3
GEOG (GEOL) 4711 Hydrogeology	4
GEOL (GEOG) 3200 Water Resources	3
MATH 3080 or PSY 3010	3

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>3</sup>If MATH 1130 was taken then take MATH 1720; otherwise take a free elective.

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



# GEOSCIENCES GEOGRAPHY CONCENTRATION

10/15/14

## ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
GEOL 1040 Physical Geology	4	0	PHYS 2010, 2020 Non-Calculus Based Physics I, II	4	4
ENGL 1010, 1020 Composition I, II	3	3	Humanities/Fine Arts Electives <sup>1</sup>	3	3
CHEM 1110, 1120 General Chemistry I, II	4	4	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
HIST 2010, 2020 U.S. History I, II	3	3	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
MATH 1730 or 1910	3-4	0	ENGL 2110 or 2120 American Literature I or II	0	3
SPCH 1010 Fundamentals of Speech	0	3	Social/Behavioral Science Electives <sup>1</sup>	3	3
			Electives <sup>2</sup>	3	4
Total	17-18	13	Total	13	17

TENNESSEE TECHNOLOGICAL UNIVERSITY  
 GEOSCIENCES: GEOGRAPHY CONCENTRATION - BACHELOR OF SCIENCE DEGREE  
 Advisor: Dr. Michael Harrison, Department Chairperson  
 Kittrell Hall 201, Phone: (931) 372-3121

Junior Year	F	SP	Senior Year	F	SP
GEOL 1045 Earth Environment, Resources, and Society	4	4	GEOL 4930, 4931 Senior Thesis	6	6
GEOL 2500 Geologic Fundamentals	3	3	Directed Electives from Geography Concentration	13-15	13-15
GEOG 4510 Theory of GIS, I	3	3	Required courses from Geography Concentration	3-4	3-4
Required courses from Geography Concentration	15-17	15-17	MATH 3070 Statistical Methods I	3	3
Free Elective	3	3	Electives	5-8	5-8
Total	28	28	Total	32	32

**Geography Concentration Required Courses (18 hours)**

GEOG 1120 Human Geography	3
GEOG 1130 Geography of Natural Hazards	3
GEOG 2100 Introduction to Meteorology	4
GEOG 3200 Water Resources	3
GEOG 4210 Cartography	3
GEOG 4650 Environmental Applications of GIS	3

**Geography Concentration Directed Electives, any four of the following courses, (12-14 hours)**

GEOG 2010 World Regional Geography (RODP)	3
GEOG 1100 Global Climate Change	3
GEOG 1110 World Geography	3
GEOL 2000 Earth Evolution and Life History	3
GEOG 3710 Geography of the U.S.	3
GEOG 4150 Geomorphology	4
GEOG 4410 Remote Sensing	3
GEOG 4511 Theory of GIS, II	3
GEOG 4711 Hydrogeology	4
GEOG 4850 Advanced GIS	3

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

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

## WILDLIFE AND FISHERIES SCIENCE - WILDLIFE

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
BIOL 1110, 1120 General Biology I, II	4	4	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
CHEM 1110, 1120 General Chemistry I, II	4	4	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2110 or 2120 American Literature I or II	0	3
MATH 1130 College Algebra	3	0	GEOL 1040 Physical Geology	4	0
MATH 1830 Calculus for Business	0	3	HIST 2010, 2020 U.S. History I, II	3	3
			SPCH 1010 Fundamentals of Speech	3	0
			Humanities/Fine Arts Electives <sup>1</sup>	3	3
			Social/Behavioral Science Electives <sup>1</sup>	3	3
			Electives <sup>2</sup>	0	4
Total	14	14	Total	16	16

### TENNESSEE TECHNOLOGICAL UNIVERSITY

#### WILDLIFE & FISHERIES SCIENCE (WILDLIFE SCIENCE CONCENTRATION) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Robert Kissell, Department Chairperson

Pennebaker Hall 207, Phone: (931) 372-3134

Junior Year		Senior Year		
BIOL 1000 Intro to Biological Methods	1	AGHT 3450 Dendrology		3
BIOL 2110 General Botany	4	WFS 4500 National Wildlife Policy		3
BIOL 3810 General Genetics	4	WFS 4660 Wild Bird Ecology		3
BIOL 3920 Biological Communication Skills	3	WFS 4670 Wild Mammal Ecology		3
GEOL 2000 Earth Evolution & Life History	3	WFS 4830 Herpetology		3
WFS 3130 General Ecology	3	WFS 4700 Habitat Management		3
BIOL 3240 Field Botany	3	WFS 4790 Wildlife Techniques		6
WFS 3500 Wildlife Law Enforcement	3	MATH 3070 Statistical Methods I		3
WFS 4740 Wildlife Principles	2			
Science Directed Electives <sup>3</sup>	6-8			
Total		31-33	Total	27

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/home/>

<sup>3</sup>Choose two courses from AGRN 3210, 3220; BIOL 3530, BIOL 4330; GEOG 4410 or 4510; WFS 4640, WFS 4711, WFS 4730, or WFS 4810 (only one of the GEOG courses will count toward this requirement).

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

# WILDLIFE AND FISHERIES SCIENCE - CONSERVATION BIOLOGY

## ROANE STATE COMMUNITY COLLEGE

### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
BIOL 1110, 1120	General Biology I, II	4	4	ENGL 2310 or 2320	World Literature I or II <u>OR</u>		
CHEM 1110, 1120	General Chemistry I, II	4	4	ENGL 2210 or 2220	British Literature I or II <u>OR</u>		
ENGL 1010, 1020	Composition I, II	3	3	ENGL 2110 or 2120	American Literature I or II	0	3
MATH 1130	College Algebra	3	0	GEOL 1040	Physical Geology	4	0
MATH 1830	Calculus for Business	0	3	HIST 2010, 2020	U.S. History I, II	3	3
				SPCH 1010	Fundamentals of Speech	3	0
					Humanities/Fine Arts Electives <sup>1</sup>	3	3
					Social/Behavioral Science Electives <sup>1</sup>	3	3
					Electives <sup>2</sup>	0	4
	Total	14	14		Total	16	16

## TENNESSEE TECHNOLOGICAL UNIVERSITY WILDLIFE & FISHERIES SCIENCE (CONSERVATION BIOLOGY CONCENTRATION) -BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Robert Kissell, Department Chairperson  
Pennebaker Hall 207, Phone: (931) 372-3134

Junior Year			Senior Year		
BIOL 1000	Intro to Biological Methods	1	WFS 4500	National Wildlife Policy	3
BIOL 2110	General Botany	4	WFS 4630 or 4820	Ornithology or Mammalogy	3
BIOL 3240	Field Botany	3	WFS 4700	Habitat Management	3
BIOL 3810	General Genetics	4	WFS 4711	Fisheries Management	3
BIOL 3920	Biological Communication Skills	3	WFS 4740	Wildlife Principles	2
BIOL 4330	Plant Ecology	3	WFS 4730	Conservation Biology	3
BIOL 4610	Invertebrate Zoology	3	WFS 4810 or 4830	Ichthyology or Herpetology	3
GEOL 2000	Earth Evolution & Life History	3	Science Directed Electives <sup>3</sup>		6-10
MATH 3070	Statistical Methods I	3	Electives		0-4
WFS 3130	General Ecology	4			
	Total	30		Total	30

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table  
<http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table  
<http://www.tntech.edu/transfers/home/>

<sup>3</sup>Choose two courses from AGHT 3450; AGRN 3210, 3220; BIOL 3530, BIOL 4320, BIOL 4840; GEOG 4410 or 4510; WFS 4790, (only one of the GEOG courses will count toward this requirement).

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

## WILDLIFE AND FISHERIES SCIENCE - FISHERIES

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
BIOL 1110, 1120 General Biology I, II	4	4	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
CHEM 1110, 1120 General Chemistry I, II	4	4	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2110 or 2120 American Literature I or II	0	3
MATH 1130 College Algebra	3	0	GEOL 1040 Physical Geology	4	0
MATH 1830 Calculus for Business	0	3	HIST 2010, 2020 U.S. History I, II	3	3
			SPCH 1010 Fundamentals of Speech	0	3
			Humanities/Fine Arts Electives <sup>1</sup>	3	3
			Social/Behavioral Science Electives <sup>1</sup>	3	3
			Electives <sup>1</sup>	4	0
Total	14	14	Total	17	15

### TENNESSEE TECHNOLOGICAL UNIVERSITY

#### WILDLIFE & FISHERIES SCIENCE (FISHERIES SCIENCE CONCENTRATION) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Robert Kissell, Department Chairperson

Pennebaker Hall 207, Phone: (931) 372-3134

Junior Year		Senior Year		
BIOL 1000 Intro to Biological Methods	1	BIOL 3240 Field Botany		3
BIOL 2110 General Botany	4	BIOL 4610 Invertebrate Zoology		3
BIOL 3810 General Genetics	4	BIOL 4780 Phycology		3
BIOL 3920 Biological Communication Skills	3	WFS 4740 Wildlife Principles		2
GEOL 2000 Earth Evolution & Life History	3	WFS 4760 Fish Culture		4
WFS 4500 National Wildlife Policy	3	WFS 4840 Limnology		3
WFS 4710 Fisheries Management	4	Science Directed Elective <sup>2</sup>		6-10
WFS 4810 Ichthyology	3	Electives		1-5
MATH 3070 Statistical Methods I	3			
WFS 3130 General Ecology	4			
Total		31	Total	29

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Choose two courses from AGRN 3210, 3220; BIOL 3530, BIOL 4330; GEOG 4410 or 4510; WFS 3500, WFS 4700, WFS 4730, or WFS 4790, (only one of the GEOG courses will count toward this requirement).

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

# BUSINESS MANAGEMENT - BUSINESS INTELLIGENCE AND ANALYTICS

## ROANE STATE COMMUNITY COLLEGE

### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
INFS 1010 Computer Applications	3	0	ACCT 1010, 1020 Principles of Accounting I, II	3	3
ENGL 1010, 1020 Composition I, II	3	3	ECON 2010, 2020 Macroeconomics, Microeconomics	3	3
MATH 1130, 1830 College Algebra, Calculus for Business	3	3	ENGL 2310, 2320 World Literature I or II <u>OR</u>		
Natural Science <sup>3</sup>	4	4	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
Humanities/Fine Arts Elective <sup>1</sup>	3	0	ENGL 2110 or 2120 American Literature I or II	0	3
Non-Business Elective <sup>2</sup>	0	4	HIST 2010, 2020 U.S. History I, II	3	3
			SPCH 1010 Fundamentals of Speech	3	0
			Humanities/Fine Arts Elective <sup>1</sup>	3	0
			Non-Business Elective <sup>2</sup>	0	3
<b>Total</b>	<b>16</b>	<b>14</b>	<b>Total</b>	<b>15</b>	<b>15</b>

## TENNESSEE TECHNOLOGICAL UNIVERSITY BUSINESS MANAGEMENT - OPTION BUBA (BUSINESS INTELLIGENCE AND ANALYTICS) BACHELOR OF SCIENCE DEGREE

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

Junior Year		Senior Year	
BMGT 3510 Management & Org. Behavior	3	BMGT 4930 Business Strategy	3
BMGT 3610 Business Statistics I		DS 3520 Operations Management	3
FIN 3210 Prin. of Managerial Finance	3	DS 3841 Management Info. Systems	3
MKT 3400 Principles of Marketing	3	DS 4210 Business Intelligence	3
DS 3620 Business Analytics: Data Driven Decision Making	3	DS 4220 Advanced Business Analytics	3
DS 3860 Business Database Management	3	DS 4510 Business Intelligence and Analytics Capstone	3
DS Elective <sup>4</sup>	3	ECON 3810 or 3820	3
Business Elective <sup>4</sup>	3	ECON 4640 Econometrics	3
Non-Business Electives <sup>4</sup>	6	LAW 3810 Business Legal Environment & Ethics	3
		Business Electives <sup>4</sup>	3
<b>Total</b>	<b>30</b>	<b>Total</b>	<b>30</b>

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Non-Business electives should be chosen from non-business subject areas and must be transferable to TTU in order to count toward degree completion.

<sup>3</sup>Science sequence, choose from: BIOL 1110-1120, CHEM 1110-1120, GEOL 1040-1050, ASTR 1010-1020, or PHYS 2010-2020.

<sup>4</sup>DS and business elective courses must be approved by the academic advisor and be consistent with the intent of this concentration.

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

## BUSINESS MANAGEMENT - GENERAL MANAGEMENT

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
INFS 1010      Computer Applications	3	0	ACCT 1010, 1020 Principles of Accounting I, II	3	3
ENGL 1010, 1020 Composition I, II	3	3	ECON 2010, 2020 Macroeconomics,		
MATH 1130, 1830 College Algebra,			Microeconomics	3	3
Calculus for Business	3	3	ENGL 2310, 2320 World Literature I or II <u>OR</u>		
Natural Science <sup>3</sup>	4	4	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
Humanities/Fine Arts Elective <sup>1</sup>	3	0	ENGL 2110 or 2120 American Literature I or II	0	3
Non-Business Elective <sup>2</sup>	0	4	HIST 2010, 2020 U.S. History I, II	3	3
			SPCH 1010 Fundamentals of Speech	3	0
			Humanities/Fine Arts Elective <sup>1</sup>	3	0
			Non-Business Elective <sup>2</sup>	0	3
Total	16	14	Total	15	15

### TENNESSEE TECHNOLOGICAL UNIVERSITY BUSINESS MANAGEMENT - OPTION BUMA (GENERAL MANAGEMENT) BACHELOR OF SCIENCE DEGREE

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

Junior Year		3	3	Senior Year		3	3
BMGT 3510      Management & Org. 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				DS 3520      Operations Management		3	
	Decision Making	3		ECON 3320, 3810, or 3820		3	
DS 3841      Management Info. Systems		3		LAW 3810      Business Legal Environment & Ethics		3	
ECON 3610      Business Statistics I		3		BGMT Electives <sup>4</sup>		6	
FIN 3210      Prin. of Managerial Finance		3		Non-Business Electives <sup>4</sup>		6	
MKT 3400      Principles of Marketing		3					
Business Elective <sup>4</sup>		3					
DS Elective		3					
Total		30		Total		30	

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Non-Business electives should be chosen from non-business subject areas and must be transferable to TTU in order to count toward degree completion.

<sup>3</sup>Science sequence, choose from: BIOL 1110-1120, CHEM 1110-1120, GEOL 1040-1050, ASTR 1010-1020, or PHYS 2010-2020.

<sup>4</sup>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 3000-4000 level.**

## BUSINESS MANAGEMENT - HUMAN RESOURCE MANAGEMENT

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
INFS 1010 Computer Applications	3	0	ACCT 1010, 1020 Principles of Accounting I, II	3	3
ENGL 1010, 1020 Composition I, II	3	3	ECON 2010, 2020 Macroeconomics, Microeconomics	3	3
MATH 1130, 1830 College Algebra, Calculus for Business	3	3	ENGL 2310, 2320 World Literature I or II <u>OR</u>		
Natural Science <sup>3</sup>	4	4	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
Humanities/Fine Arts Elective <sup>1</sup>	3	0	ENGL 2110 or 2120 American Literature I or II	0	3
Non-Business Elective <sup>2</sup>	0	4	HIST 2010, 2020 U.S. History I, II	3	3
			SPCH 1010 Fundamentals of Speech	3	0
			Humanities/Fine Arts Elective <sup>1</sup>	3	0
			Non-Business Elective <sup>2</sup>	0	3
<b>Total</b>	<b>16</b>	<b>14</b>	<b>Total</b>	<b>15</b>	<b>15</b>

TENNESSEE TECHNOLOGICAL UNIVERSITY  
BUSINESS MANAGEMENT-OPTION BUHR (HUMAN RESOURCE MANAGEMENT)  
BACHELOR OF SCIENCE DEGREE

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

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

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Non-Business electives should be chosen from non-business subject areas and must be transferable to TTU in order to count toward degree completion.

<sup>3</sup>Science sequence, choose from: BIOL 1110-1120, CHEM 1110-1120, GEOL 1040-1050, ASTR 1010-1020, or PHYS 2010-2020.

<sup>4</sup>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 3000-4000 level.**

10/15/14

## BUSINESS MANAGEMENT - PRODUCTION/OPERATIONS MANAGEMENT

### ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
INFS 1010 Computer Applications	3	0	ACCT 1010, 1020 Principles of Accounting I, II	3	3
ENGL 1010, 1020 Composition I, II	3	3	ECON 2010, 2020 Macroeconomics, Microeconomics	3	3
MATH 1130, 1830 College Algebra, Calculus for Business	3	3	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
Natural Science <sup>3</sup>	4	4	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
Humanities/Fine Arts Electives <sup>1</sup>	3	0	ENGL 2110 or 2120 American Literature I or II	0	3
Non-Business Elective <sup>2</sup>	0	4	HIST 2010, 2020 U.S. History I, II	3	3
			SPCH 1010 Fundamentals of Speech	3	0
			Humanities/Fine Arts Elective <sup>1</sup>	3	0
			Non-Business Elective <sup>2</sup>	0	3
<b>Total</b>	<b>16</b>	<b>14</b>	<b>Total</b>	<b>15</b>	<b>15</b>

### TENNESSEE TECHNOLOGICAL UNIVERSITY BUSINESS MANAGEMENT - OPTION BUPR (PRODUCTION/OPERATIONS MANAGEMENT) BACHELOR OF SCIENCE DEGREE

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

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

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Non-Business electives should be chosen from non-business subject areas and must be transferable to TTU in order to count toward degree completion.

<sup>3</sup>Science sequence, choose from: BIOL 1110-1120, CHEM 1110-1120, GEOL 1040-1050, ASTR 1010-1020, or PHYS 2010-2020.

<sup>4</sup>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 3000-4000 level.**



## BUSINESS MANAGEMENT - BUSINESS AND INFORMATION TECHNOLOGY

### ROANE STATE COMMUNITY COLLEGE

Freshman Year	F	SP	Sophomore Year	F	SP
INFS 1010 Computer Applications	3	0	ACCT 1010, 1020 Principles of Accounting I, II	3	3
ENGL 1010, 1020 Composition I, II	3	3	ECON 2010, 2020 Macroeconomics, Microeconomics	3	3
MATH 1130, 1830 College Algebra, Calculus for Business	3	3	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
Natural Science <sup>3</sup>	4	4	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
Humanities/FineArts Elective <sup>1</sup>	3	0	ENGL 2110 or 2120 American Literature I or II	0	3
Non-Business Elective <sup>2</sup>	0	4	HIST 2010, 2020 U.S. History I, II	3	3
			SPCH 1010 Fundamentals of Speech	3	0
			Humanities/FineArts Elective <sup>1</sup>	3	0
			Non-Business Elective <sup>2</sup>	0	3
Total	16	14	Total	15	15

### TENNESSEE TECHNOLOGICAL UNIVERSITY BUSINESS MANAGEMENT - OPTION BIT (BUSINESS AND INFORMATION SYSTEMS) BACHELOR OF SCIENCE DEGREE

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

Junior Year		3	Senior Year		3
BMGT 3510 Management and Org. Behavior	3		BMGT 4930 Business Strategy		3
DS 3620 Business Analytics: Data Driven Decision Making	3		DS 3520 Operations Management		3
DS 3841 Management Info. Systems	3		DS 3870 Business Applications Development II		3
DS 3850 Business Applications Development	3		DS 4250 Business Data Communications		3
DS 3860 Business Database Management	3		DS 4330 Management Info Systems Analysis and Design		3
ECON 3610 Business Statistics I	3		DS 4550 Information Systems Development 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 & Ethics		3
DS Elective	3		Business Elective <sup>4</sup>		3
Non-Business Electives <sup>4</sup>	3		Non-Business Electives <sup>4</sup>		3
Total	30		Total		30

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table  
<http://www.tntech.edu/transfers/transfertablesagreements/>

<sup>2</sup>Non-Business electives should be chosen from non-business subject areas and must be transferable to TTU in order to count toward degree completion.

<sup>3</sup>Science sequence, choose from: BIOL 1110-1120, CHEM 1110-1120, GEOL 1040-1050, ASTR 1010-1020, or PHYS 2010-2020.

<sup>4</sup>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 3000-4000 level.**

## FINANCE

ROANE STATE COMMUNITY COLLEGE

## DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
INFS 1010 Computer Applications	3	0	ACCT 1010, 1020 Principles of Accounting I, II	3	3
ENGL 1010, 1020 Composition I, II	3	3	ECON 2010, 2020 Macroeconomics, Microeconomics	3	3
MATH 1130, 18130 College Algebra, Calculus for Business	3	3	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
Natural Science <sup>3</sup>	4	4	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
Humanities/Fine Arts Elective <sup>1</sup>	3	0	ENGL 2110 or 2120 American Literature I or II	0	3
Non-Business Elective <sup>2</sup>	0	4	HIST 2010, 2020 U.S. History I, II	3	3
			SPCH 1010 Fundamentals of Speech	3	0
			Humanities/Fine Arts Elective <sup>1</sup>	3	0
			Non-Business Elective <sup>2</sup>	0	3
Total	16	14	Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY  
FINANCE - BACHELOR OF SCIENCE DEGREE  
Advisor: Dr. Steve Isbell, Department Chairperson  
Johnson Hall 216, Phone: (931) 372-3745

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

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Non-Business electives should be chosen from non-business subject areas and must be transferable to TTU in order to count toward degree completion.

<sup>3</sup>Science sequence, choose from: BIOL 1110-1120, CHEM 1110-1120, GEOL 1040-1050, ASTR 1010-1020, or PHYS 2010-2020.

<sup>4</sup>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 3000-4000 level.**

## MARKETING

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
INFS 1010      Computer Applications	3	0	ACCT 1010, 1020 Principles of Accounting	3	3
ENGL 1010, 1020 Composition I, II	3	3	ECON 2010, 2020 Macroeconomics,		
MATH 1130, 1830 College Algebra,			Microeconomics	3	3
Calculus for Business	3	3	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
Natural Science <sup>3</sup>	4	4	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
Humanities/Fine Arts Elective <sup>1</sup>	3	0	ENGL 2110 or 212 American Literature I or II	0	3
Non-Business Elective <sup>2</sup>	0	4	HIST 2010, 2020 U.S. History I, II	3	3
			SPCH 1010      Fundamentals of Speech	3	0
			Humanities/Fine Arts Elective <sup>1</sup>	3	0
			Non-Business Elective <sup>2</sup>	0	3
Total	16	14	Total	15	15

### TENNESSEE TECHNOLOGICAL UNIVERSITY MARKETING - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Steve Isbell, Department Chairperson

Johnson Hall 216, Phone: (931) 372-3745

Junior Year		F	SP	Senior Year		F	SP
BMGT 3510      Management and Org. Behavior		3	0	BMGT 4930      Business Strategy		3	0
DS 3520      Operations Management		3	0	MKT 4620      Marketing Research		3	0
DS 3620      Business Analytics: Data Driven		3	0	MKT 4730      Marketing Strategy		3	0
				Marketing Electives <sup>4</sup>		12	0
DS 3841      Management Info. Systems		3	0	Business Elective <sup>4</sup>		3	0
ECON 3610      Business Statistics I		3	0	Non-Business Elective <sup>4</sup>		3	0
ECON 3320, 3810, or 3820		3	0	LAW 3810      Business Legal Environment & Ethics		3	0
FIN 3210      Principles of Managerial Finance		3	0				
MKT 3400      Principles of Marketing		3	0				
Marketing Elective <sup>4</sup>		3	0				
Non-Business Elective <sup>4</sup>		3	0				
Total		30	0	Total		30	0

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Non-Business electives should be chosen from non-business subject areas and must be transferable to TTU in order to count toward degree completion.

<sup>3</sup>Science sequence, choose from: BIOL 1110-1120, CHEM 1110-1120, GEOL 1040-1050, ASTR 1010-1020, or PHYS 2010-2020.

<sup>4</sup>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 3000-4000 level.**

# COLLEGE OF EDUCATION

## ADMISSION TO TEACHER EDUCATION

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

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

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

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

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

## 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 <http://www.tntech.edu/teachered/ast-degree-requirements-for-admission-to-the-teacher-education-program/>. 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 <http://www.tntech.edu/teachered/field-and-clinical-practicefield-and-clinical-practice/>.

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

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

## ART EDUCATION

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2310 or 2320		
Natural Science <sup>1</sup>	4	4	World Literature I or II <u>OR</u>		
MATH <sup>1</sup>	0	3	ENGL 2210 or 2220		
ARTP 1110 Studio Fundamentals: Two Dimensional Design	2	0	ENGL 2110 or 2120		
ARTP 1120 Studio Fundamentals: Three Dimensional Design	0	2	HIST 2010, 2020 U.S. History I, II	0	3
ARTP 1010 Drawing I: Survey of Drawing	3	0	EDU 211 Educational Psychology	3	0
Social/Behavioral Science Electives <sup>1</sup>	3	3	ARTP 1130 Painting I: Introduction	3	0
			ARTP 1510 Ceramics I: Handbuilding	0	3
			ARTH 2010, 2020 Survey of Art History I, II	3	3
			SPCH 1010 Fundamentals of Speech	3	0
			Elective	0	3
Total	15	15	Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY  
 ART EDUCATION - BACHELOR OF FINE ARTS DEGREE  
 Advisor: Prof. Ward Doubet, Department Chairperson  
 Fine Arts 264, Phone: (931) 372-3161

Junior Year		Senior Year	
ARED 2020 Art Education Theory	2	Studio Emphasis	
ARED 3155 Elementary Practicum	1	(from clay, glass, fibers, metals, painting or wood) <sup>2</sup>	2
ARED 3165 Secondary Practicum	1	ARED 4871 Residency I	5
ART 1250 Intro to Digital Imaging	3	ARED 4872 Professional Seminar I	5
ART 2040 Printingmaking: Relief	2	ARED 4881 Residency II	10
ART 2060 Basic Photography	2	ARED 4882 Professional Seminar II	2
ART 2320 Drawing II	3		
ART 3130, 3150, 3160, 4100, or 4170	6		
ART 3200 Art Applications I	2		
ART 3205 Methods and Media	2		
Studio Emphasis			
(from clay, glass, fibers, metals, painting or wood) <sup>2</sup>	14		
Total	37	Total	24

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Studio Emphasis hours can be divided between two media.

<sup>3</sup>Must submit evidence of current First Aid/CPR training.

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

**CHILD AND FAMILY STUDIES**  
**EARLY CHILDHOOD EDUCATION (PREK-3 LICENSURE)**  
**EARLY CHILDHOOD SPECIAL EDUCATION/PREK-3**

10/15/14

ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
BIOL 1110 or 1120	General Biology I or II	4	0	ECED 2040	Family Dynamics & Community Involvement	3	0
ENGL 1010, 1020	Composition I, II	3	3	ECED 2060	Development of Exceptional Children	0	3
EDU 223	Instructional Aids & Equipment	1	0	EDU 210	Child & Adolescent Development	3	0
EDU 101	Intro to the Teaching Prof.	2	0	EDU 231*	Field Experiences I	2	0
MATH 1410, 1420	Number Concepts/Algebra Structures, Problem Solving/Geometry	3	3	MSC 1012	Intro to Physical Science	0	4
GEOG 2010	World Regional Geography	3	0	ENGL 2310 or 2320	World Literature I or II <u>OR</u>		
GEOL 1040 or 1050	Physical or Historical Geology	0	4	ENGL 2210 or 2220	British Literature I or II	0	3
ARTH or MUS 1030	Art or Music Appreciation	0	3	ENGL 2110 or 2120	American Literature I or II	3	0
SOCI 1010 or SOCI 2110		0	3	HIST 2010, 2020	U.S. History I, II	3	3
				SPCH 1010	Fundamentals of Speech	0	3
	<b>Total</b>	<b>16</b>	<b>16</b>		<b>Total</b>	<b>14</b>	<b>16</b>

**TENNESSEE TECHNOLOGICAL UNIVERSITY**  
**CHILD AND FAMILY STUDIES (ECED PREK-3 AND SPED PREK-3 LICENSURE)**

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

Junior Year			Senior Year			
CFS 3600	Family Community & Prof. Partnerships		2	ECSP 4300	Assessment of Young Children	3
ECED 3301	Math, Science, Social Studies for the Young Child	7		ECSP 4871	Residency I	5
ECED 3310	Practicum: Concepts for Young Children	1		ECSP 4872	Professional Seminar I	5
ECSP 3001	Curriculum for Infants, Toddlers and Preschoolers	3		ECSP 4881	Residency II	10
ECSP 3211	Practicum: Procedures for Infants, Toddlers, and Preschoolers	1		ECSP 4882	Professional Seminar II	2
ECSP 4000	Developmentally Appropriate Practice Birth-Preschool	3			<b>Total</b>	<b>25</b>
ECSP 4100	Developmentally Appropriate Practice K-4	3				
FOED 3010	Integrating Instructional Technology	3				
FOED 3810	Field Experiences in Education	2				
HEC 3520	Parenting and Child Guidance	2				
MUS 1074	Music to Meet Exceptional Needs1					
READ 3311	Literacy I	7				
	<b>Total</b>		<b>35</b>			

\*EDU 231 is a co-requisite for EDU 210.

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

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

10/15/14

**CHILD AND FAMILY STUDIES  
EARLY CHILDHOOD EDUCATION (PREK-3 LICENSURE)  
EARLY CHILDHOOD SPECIAL EDUCATION/PREK-3**

ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF APPLIED SCIENCE

Freshman Year		Sophomore Year	
ENGL 1010, 1020	Composition I, II	6	
ECED 1010	Intro to Early Childhood Education	3	ECED 2040 Family Dynamics & Community Involvement 3
ECED 2010	Safe, Healthy, Learning Environment	3	ECED 2060 Developmental of Exceptional Children 3
ECED 2015	Early Childhood Curriculum	3	ECED 2070 Development Assessment 3
ECED 2020	Infant, Toddler Child Development	3	ECED 2080 Language & Literacy in ECED 3
ECED 2130	Clinical Practicum I	3	ECED 2085 Math & Science in Early Childhood 3
GEOL 1040	Physical Geology	4	ECED Elective 3
MATH 1410	Number Concepts/Algebra Structures	3	ECED 2160 Final Practicum 3
SPCH 1010	Fundamentals of Speech	3	English Literature <sup>1</sup> 3
			HIST 2010 American History I 3
			Social Science Elective 3
	<b>Total</b>	<b>31</b>	<b>Total</b> <b>30</b>

TENNESSEE TECHNOLOGICAL UNIVERSITY  
CHILD AND FAMILY STUDIES (ECED PREK-3 AND SPED PREK-3 LICENSURE)

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

Transition-Roane State	
BIOL 1110	General Biology I 4
HIST 2020	American History II 3
MATH 1420	Survey of Elementary Mathematics II 3
MSC 1012	Intro to Physical Science 4
	Humanities/Fine Arts Elective 3
	Social/Behavioral Science Elective 3
	<b>Total</b> <b>20</b>

Junior Year		Senior Year	
CFS 3600	Family, Community & Professional Partnerships 2	ECSP 4300	Assessment of Young Children 3
ECSP 3001	Curriculum for Infants, Toddlers & Preschoolers 3	ECSP 4871	Residency I 5
ECSP 3211	Procedures for Infants, Toddlers & Preschoolers Practicum 1	ECSP 4872	Professional Seminar I 5
ECED 3301, 3310	Mathematics, Science & Social Studies for Young Children; Practicum 8	ECSP 3881	Residency II 10
ECSP 4000	Developmentally Appropriate Practices: Birth-Preschool 3	ECSP 4882	Professional Seminar II 2
ECSP 4100	Developmentally Appropriate Practices: K-4 3		<b>Total</b> <b>25</b>
FOED 3010	Integrating Instructional Technology into the Classroom 3		
FOED 3810	Field Experiences in Education 2		
HEC 3520	Parenting Education & Child Guidance 2		
READ 3311	Literacy I 7		
MUS 1074	Music to Meet Exceptional Ed Needs 1		
	<b>Total</b> <b>35</b>		

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.



## MULTIDISCIPLINARY STUDIES (K-6 LICENSURE)

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE IN TEACHING

Freshman Year		Sophomore Year			
ENGL 1010, 1020	Composition I, II	6	BIOL 1110	General Biology I	4
EDU 101	Introduction to Teaching Profession	2	EDU 211	Educational Psychology	3
EDU 111	Intro to Educating Exceptional Children	3	ENGL 2310 or 2320	World Literature I or II <u>OR</u>	
EDU 223	Instructional Aids & Equipment	1	ENGL 2210 or 2220	British Literature I or II <u>OR</u>	
MATH 1410, 1420	Number Concepts/Algebra Structures	6	ENGL 2110 or 2120	American Literature I or II	6
GEOG 2010	World Regional Geography	3	HIST 2010, 2020	U.S. History I, II <u>OR</u>	
ARTH or MUS 1030	Art or Music Appreciation	3	HIST 2030	Tennessee History (Select two)	6
SPCH 1010	Fundamentals of Speech	3	MATH 1530	Probability and Statistics	3
ASTR 1010	Intro to Astronomy <u>OR</u>		MSC 1012	Physical Sciences	4
GEOL 1040	Physical Geology <u>OR</u>		POLS 1030	American Government or	
GEOL 1050	Historical Geology (Select one)	4	SOCI 1010	Intro to Sociology	3
	<b>Total</b>	<b>31</b>		<b>Total</b>	<b>29</b>

### TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Advisor: Dr. Jeremy Wendt, Department Chairperson

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

Junior Year		Senior Year			
ART 3200	Art Applications I	2	ELED 4871	Residency I	5
ECSP 4100	Dev. 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	2
ELED 4140	Science for Elementary Teachers	2	CUED 4800	Student Engagement	3
ESLP 4100	ESL Methodology and Materials for PreK-12	3			
FOED 3010	Integrating Instructional Technology	3			
FOED 3800,3810	Field Experiences in Education	4			
MUS 3530	Music Applications	3			
READ 3311	Literacy I	7			
SPED 3000	Teaching Persons with Disabilities in the Regular Classroom	3			
	<b>Total</b>	<b>35</b>		<b>Total</b>	<b>25</b>

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

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

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## MULTIDISCIPLINARY STUDIES (4-8 LICENSURE) Middle School

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
BIOL 1110 or 1120 General Biology I or II	4	0	MSC 1012 Intro to Physical Science	4	0
ENGL 1010, 1020 Composition I, II	3	3	EDU 211 Educational Psychology	3	0
EDU 101 Intro to Teaching Profession	0	2	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
EDU 223 Instructional Aids & Equipment	0	1	ENGL 2210 or 2220 British Literature I or II	0	3
HIST 2010, 2020 U.S. History I, II	3	3	ENGL 2110 or 2120 American Literature I or II	3	0
MATH 1410, 1420 Number Concepts/Algebra Structures	3	3	SPCH 1010 Fundamentals of Speech	3	0
Social/Behavioral Science Elective	0	3	GEOG 2010 World Regional Geography	0	3
			GEOL 1040 or 1050 General Geology I or II	0	4
			HIST 1210 Survey of World History I	3	0
			Humanities/Fine Arts Elective	0	3
			MATH 1130 College Algebra	0	3
Total	13	15	Total	16	16

### TENNESSEE TECHNOLOGICAL UNIVERSITY

#### MULTIDISCIPLINARY STUDIES (4-8 LICENSURE) MIDDLE SCHOOL - BACHELOR OF SCIENCE DEGREE

Advisor: 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 3152 Teaching of Mathematics	3	ELED 4871 Residency I	5
ELED 3140 Teaching of Social Studies	2	ELED 4872 Professional Seminar I	5
ELED 4140 Science for Elementary Teachers	2	ELED 4881 Residency II	10
ESLP 4100 ESL Methodology and Materials for PreK-12	3	ELED 4882 Professional Seminar II	2
FOED 3010 Integrating IT into the Classroom	3		
FOED 3800, 3810 Field Experiences in Education	4		
HIST 2030 or 3100	3		
READ 3312 Literacy II	5		
READ 3350 Teaching Reading in the Content Areas	3		
SPED 3000 Teaching Persons with Disabilities in the Regular Classroom	3		
Total	35	Total	25

Submit evidence of CPR Training.

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

## SECONDARY EDUCATION (7-12 LICENSURE) OPTION: BIOLOGY

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
BIOL 1110, 1120 General Biology I, II	4	4	CHEM 1110 Gen. Chemistry I	4	0
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
EDU 101 Introduction to Teaching Profession	2	0	ENGL 2210 or 2220 British Literature I or II	0	3
MATH 1130, 1720 or 1730	3	0	ENGL 2110 or 2120 American Literature I or II	3	0
PHYS 2010 Non-Calculus Based Physics I	0	4	GEOL 1040 Physical Geology	0	4
EDU 223 Instructional Aids & Equipment	1	0	HIST 2010, 2020 U.S. History I, II	3	3
Humanities/Fine Arts Elective	0	3	SPCH 1010 Fundamentals of Speech	0	3
Elective	1	0	Social/Behavioral Science Electives	3	3
			EDU 211 Educational Psychology	3	0
Total	14	14	Total	16	16

TENNESSEE TECHNOLOGICAL UNIVERSITY  
SECONDARY EDUCATION (7-12 LICENSURE) - BACHELOR OF SCIENCE DEGREE  
Advisor: Dr. Jeremy Wendt, Department Chairperson  
Bartoo Hall 311, Phone: (931) 372-3181

Junior Year	F	SP	Senior Year	F	SP
BIOL 2010 Human Anatomy & Physiology I	4	4	SEED 4871 Residency I	5	5
BIOL 2110 General Botany	4	4	SEED 4872 Professional Seminar I	5	5
BIOL 3130 General Ecology	4	4	SEED 4881 Residency II	10	10
BIOL 3140 Cellular Biology	4	4	SEED 4882 Professional Seminar II	2	2
BIOL 3810 General Genetics	4	4	SPED 3000 Teaching Persons with Disabilities in the Regular Classroom	3	3
FOED 3010 Integrating Instruc Technology	3	3			
FOED 3820 Field Experiences in Education	2	2			
MATH 1530 Elementary Probability & Statistics	3	3			
READ 3350 Teaching Reading in the Content Area	3	3			
SEED 4123 Material & Methods of Teaching the Sciences	3	3			
Elective	1	1			
Total	35	35	Total	25	25

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

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

10/15/14

## SECONDARY EDUCATION (7-12 LICENSURE) ENGLISH

### ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
EDU 101 Introduction to Teaching Profession	2	0	EDU 211 Educational Psychology	0	3
EDU 223 Instructional Aids & Equipment	0	1	ENGL 2310 or 2320 World Literature I or II	0	3
ENGL 1010, 1020 Composition I, II	3	3	HIST 2010, 2020 U.S. History I, II	3	3
MATH 1130 or 1530	3	0	Social/Behavioral Science Electives	3	3
SPCH 1010 Fundamentals of Speech	0	3	FREN/GERM/SPAN 2010, 2020	3	3
Humanities/Fine Arts Elective <sup>2</sup>	0	3	Humanities/Fine Arts Elective <sup>2</sup>	3	0
Natural Science Electives <sup>1</sup>	4	4	Electives <sup>1</sup>	3	0
	4	0			
Total	16	14	Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY  
SECONDARY EDUCATION (7-12 LICENSURE) - BACHELOR OF SCIENCE DEGREE  
Advisor: Dr. Jeremy Wendt, Department Chairperson  
Bartoo Hall 311, Phone: (931) 372-3181

Junior Year		Senior Year	
ENGL 3250 or any upper-division English writing course, Linguistics, Grammar, or History of English Language	3	SEED 4871 Residency I	5
ENGL 3810, 3820 British Literature I, II	6	SEED 4872 Professional Seminar I	5
ENGL 3910, 3920 American Literature I, II	6	SEED 4881 Residency II	10
ENGL 4121 Shakespeare	3	SEED 4882 Professional Seminar II	2
ENGL 4751, 4712, 4713 or ENG 4700	3	SPED 3000 Teaching Persons with Disabilities in the Regular Classroom	3
ESLP 4100 or TEAE 4020	3		
FOED 3010 Integrating Instructional Technology	3		
FOED 3820 Field Experiences in Education	2		
READ 3350 Teaching Reading in the Content Area	3		
READ 4411 The Reading-Writing Connection	3		
READ 4570 Bks. & Rel. Mat. Adol./Adult	3		
SEED 4120 Material & Methods of Teaching English	3		
Total	41	Total	25

<sup>1</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/home/>

<sup>2</sup>Must be selected from the General Education requirements in the Roane State catalog and the TTU course equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

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

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

## SECONDARY EDUCATION (7-12 LICENSURE) MATHEMATICS

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
EDU 101      Introduction to Teaching Profession	2	0	ENGL 2310 or 2320 World Literature I or II <u>OR</u>	0	3
EDU 223      Instructional Aids & Equipment	1	0	ENGL 2210 or 2220 British Literature I or II	3	0
ENGL 1010, 1020 Composition I, II	3	3	HIST 2010, 2020 U.S. History I, II	3	3
MATH 1910, 1920 Calculus I, II	4	4	ECON 2020, POLS 1030, PSYC 1030, SOCI 1010,		
PHED          Physical Education	0	1	or SOCI 2110	3	3
ARTH or MUS 1030	0	3	MATH 2010      Matrix Algebra	3	0
Science Sequence	4	4	MATH 2110      Calculus III	4	0
			MATH 2120      Differential Equations	0	3
			SPCH 1010      Fundamentals of Speech	0	3
Total	14	15	Total	16	15

### TENNESSEE TECHNOLOGICAL UNIVERSITY SECONDARY EDUCATION (7-12 LICENSURE) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Jeremy Wendt, Department Chairperson

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

Junior Year		Senior Year		
FOED 3010      Integrating Instructional Technology	3	SEED 4871      Residency I		5
FOED 3820      Field Experiences in Education	2	SEED 4872      Professional Seminar I		5
MATH 3070      Statistical Methods I	3	SEED 4881      Residency II		10
MATH 3400      Intro to Concepts of Math	3	SEED 4882      Professional Seminar II		2
MATH 3430      College Geometry	3	SEED 4322      Teaching Algebra in Middle/High School		3
MATH 4010, 4050, 4350, or 4360	3	SEED 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 Content Area	3			
SEED 4122      Material & Methods of Teaching Math	3			
SEED 4422      Teaching Secondary Mathematics Using Technology	3			
Total	32	Total		28

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

## SECONDARY EDUCATION (7-12 LICENSURE) SOCIAL STUDIES OPTION: HISTORY

### ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
EDU 101 Intro to Teaching Profession	2	0	EDU 211 Educational Psychology	0	3
EDU 223 Instructional Aids & Equipment	1	0	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2210 or 2220 British Literature I or II	0	3
HIST 1210 or 1220	0	3	ENGL 2110 or 2120 American Literature I or II	3	0
HIST 2010, 2020 U.S. History I, II	3	3	HIST 1010, 1020 Survey of Western Civ I, II	3	3
MATH 1130 or 1530	3	0	PSYC 1030 General Psychology	0	3
Science Sequence	4	4	SOCI 2110 Cultural Anthropology	0	3
Elective	0	1	SPCH 1010 Fundamentals of Speech	3	0
			POLS 1030 American Government	3	0
			Humanities/Fine Arts Elective	3	0
Total	16	14	Total	15	15

### TENNESSEE TECHNOLOGICAL UNIVERSITY SECONDARY EDUCATION (7-12 LICENSURE) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Jeremy Wendt, Department Chairperson

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

Junior Year		Senior Year	
FOED 3010 Integrating Instructional Technology	3	SEED 4871 Residency I	5
FOED 3820 Field Experiences in Education	2	SEED 4872 Professional Seminar I	5
GEOG 1120 Human Geography	3	SEED 4881 Residency II	10
HIST 3100 Tennessee Topics	3	SEED 4882 Professional Seminar II	2
HIST 3410 Intro to Historical Method	3	SPED 3000 Teaching Persons with Disabilities in the Regular Classroom	3
HIST 4710, 4730, 4740, 4750, 4760, or 4790-4799	3		
HIST Upper Division Electives	6		
READ 3350 Teaching Reading in Content Area	3		
SEED 4124 Materials & Methods of Teaching Social Studies	3		
Electives from POLS, ECON, GEOG	6		
Total	35	Total	25

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

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

## SPECIAL EDUCATION MODIFIED (K-12 LICENSURE)

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
BIOL 1110    General Biology I	4	0	ECED 2310    Safe, Healthy Learning		
EDU 101        Introduction to			Environments	3	0
			EDU 211        Educational Psychology	0	3
EDU 223        Instructional Aids & Equipment	1	0	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
EDU 231        Field Experiences I	0	2	ENGL 2210 or 2220 British Literature I or II	0	3
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2110 or 2120 American Literature I or II	3	0
GEOG 2010     World Regional Geography	0	3	HIST 2010, 2020 U.S. History I, II	3	3
GEOL 1040 or 1050 Physical or Historical Geology	0	4	MATH 1410, 1420 Number Concepts/Algebra Structures		
Humanities/Fine Arts Elective	0	3	Problem Solving/Geometry	3	3
Social/Behavioral Science Elective	3	0	SPCH 1010    Fundamentals of Speech	3	0
MATH Elective	3	0	MSC 1012     Intro to Physical Science	0	4
Total	16	15	Total	15	16

TENNESSEE TECHNOLOGICAL UNIVERSITY  
 SPECIAL EDUCATION: MODIFIED PROGRAM (K-12 LICENSURE) - BACHELOR OF SCIENCE DEGREE  
 Advisor: 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		
FOED 3010   Integrating Instructional Technology	3	Partnerships	2SPED	
FOED 3810   Field Experiences in Education	2	4871         Residency I	5	
MUS 1074    Music to Meet Exceptional Education		SPED 4872   Professional Seminar I	5	
		SEED 4881   Residency II	10	
READ 3313   Literacy for Special Populations	5	SEED 4882   Professional Seminar II	2	
SPED 2010   Intro to Special Education	3	SPED 4100   Collaboration and Inclusive		
SPED 3030   The Education of Persons		Practice	3	
		with Learning Disabilities	3	
SPED 3031   Physical Management and Support		Services	3	
		SPED 3050   Universal Design for Special Education	5	
SPED 3050   Universal Design for Special Education	5	SPED 4030   Applied Behavior Analysis		
SPED 4030   Applied Behavior Analysis		for Teachers	3	
		SPED 4200   Teaching Students with Autism		
SPED 4200   Teaching Students with Autism		Spectrum Disorders	3	
Total		33	Total	27

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

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

10/15/14

## SPECIAL EDUCATION COMPREHENSIVE (K-12 LICENSURE)

### ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
BIOL 1110 or 1120 General Biology I or II	4	0	EDU 211 Educational Psychology	0	3
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
EDU 101 Introduction to Teaching Profession	2	0	ENGL 2210 or 2220 British Literature I or II	0	3
EDU 223 Instructional Aids & Equipment	1	0	ENGL 2110 or 2120 American Literature I or II	3	0
MATH 1410, 1420 Number Concepts/Algebra Structures			GEOG 2010 World Regional Geography	3	0
Problem Solving/Geometry	3	3	GEOL 1040 or 1050 Physical or Historical Geology		4
MSC 1012 Intro to Physical Science	0	4	HIST 2010, 2020 U.S. History I, II	3	3
Humanities/Fine Arts Elective	0	3	SPCH 1010 Fundamentals of Speech	3	0
MATH Elective	3	0	Social/Behavioral Science Elective	0	3
			ECED 2310 Safe, Healthy Learning Environments	3	0
Total	16	13	Total	15	16

### TENNESSEE TECHNOLOGICAL UNIVERSITY

SPECIAL EDUCATION: COMPREHENSIVE PROGRAM (K-12 LICENSURE) - BACHELOR OF SCIENCE DEGREE

Advisor: 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 & Prof. Partnership	2
EXPW 4520 Special Physical Education	3	SPED 4871 Residency I	5
FOED 3010 Integrating Instructional Technology	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 Education Needs	1	SPED 4882 Professional Seminar II	2
READ 3313 Literacy for Special Populations	5		
SPED 2010 Intro to Special Education	3		
SPED 3031 Physical Management & Support Services	3		
SPED 3020 Char. Needs of Persons/Comprehensive Disabilities	3		
SPED 3050 Universal Design for Special Education	5		
SPED 4030 Applied Behavior Anal./ Teachers	3		
SPED 4200 Teaching Students with Autism Spectrum Disorders	3		
Total	36	Total	24

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

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



## EXERCISE SCIENCE, PHYSICAL EDUCATION AND WELLNESS (K-12 Licensure)

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
BIOL 1110, 1120 General Biology I, II	4	4	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
EDU 101 Intro to Teaching	2	0	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
EDU 211 Educational Psychology	3	0	ENGL 2110 or 2120 American Literature I or II	0	3
EDU 223 Instructional Aids & Equipment	1	0	HEA 227 Intro to Exercise Science	3	0
ENGL 1010, 1020 Composition I, II	3	3	HEA 241 School Health	3	0
HEA 221 Safety, First Aid & CPR	0	3	HIST 2010, 2020 U.S. History I, II	3	3
Humanities/Fine Arts Elective	0	3	PSYC 1030 General Psychology	0	3
MATH 1130 or 1530	3	0	Social/Behavioral Science Elective <sup>1</sup>	3	0
			SPCH 1010 Fundamentals of Speech	0	3
			Humanities/Fine Arts Elective	3	0
			BIOL 2010 Human Anatomy & Physiology	0	4
Total	16	13	Total	15	16

### TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Advisor: Dr. Christy Killman, Department Chairperson

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

Junior Year		Senior Year	
EXPW 2150 Human Sexuality	3	EXPW 4520 Adapted Physical Activity & Sport <sup>3</sup>	
EXPW 2160 Drug Use and Abuse	2	EXPW 4871 Residency I	5
EXPW 3132 School Health Pedagogy and Practicum	3	EXPW 4872 Professional Seminar I	5
EXPW 3410 Lifespan Motor Development	3	EXPW 4881 Residency II	10
EXPW 3170 Motor Learning	3	EXPW 4882 Professional Seminar II	2
EXPW 3720 Instructional Strategies	3		
EXPW 4032 Training for Performance	2		
EXPW 4420 Kinesiology	3		
EXPW 4440 Physiology of Exercise	3		
EXPW 4711 Analysis and Development of Sport Skills	4		
EXPW 4721 Methods of Elementary Movement	4		
FOED 3010 Integrating Instructional Technology	3		
Total	36	Total	25

<sup>1</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/home/>

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

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

10/15/14

## EXERCISE SCIENCE, PHYSICAL EDUCATION AND WELLNESS

### Coaching and Sport Administration Concentration

#### ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	BIOL 2010 Human Anatomy & Physiology	4	0
BIOL 1110, 1120 General Biology I, II	4	4	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
PSYC 1030 General Psychology	0	3	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
HEA 131 Elementary Nutrition	2	0	ENGL 2110 or 2120 American Literature I or II	0	3
HEA 221 Safety, First Aid, and CPR	0	3	HEA 225 Care & Prevention of Athletic		
HEA 227 Intro to Exercise Science	0	3	Injuries	3	0
MATH 1130 or 1530	3	0	HIST 2010, 2020 Survey of U.S. History I, II	3	3
Electives <sup>1</sup>	4	0	Humanities/Fine Arts Electives <sup>2</sup>	3	3
			ECON 2020 Microeconomics	0	3
			SPCH 1010 Fundamentals of Speech	0	3
<b>Total</b>	<b>16</b>	<b>16</b>	<b>Total</b>	<b>13</b>	<b>15</b>

#### TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Advisor: Dr. Christy Killman, Department Chairperson

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

Junior Year		Senior Year	
EXPW 2160 Drug Use and Abuse	3	BMGT 3510 Management and Organization	
EXPW 2170 Intro to Sport Management	3	Behavior	3
EXPW 3091 Coaching Individual Sports	3	MKT 3400 Principles of Marketing	3
EXPW 3092 Coaching Team Sports	3	EXPW 3300 Sports Officiating	2
EXPW 3170 Motor Learning or Guided Elective	3	EXPW 3301 Sports Officiating: Spring Sports	2
EXPW 3180 Introduction to Coaching	3	EXPW 4171 Exercise & Sport Psychology	3
EXPW 3410 Lifespan Motor Development or		EXPW 4420 Kinesiology or Guided Elective	3
Guided Elective	3	EXPW 4520 Adapted Physical Activity & Sport or	
EXPW 4440 Physiology of Exercise	3	Guided Elective	3
EXPW 4530 Organization and Administration of		EXPW 4540 Ethical Issues in Sports	3
Interscholar Athletics	3	EXPW 4560 Facility Planning & Mgmt	3
EXPW 4550 Sport Governance	3	EXPW 4811 Sport Management Internship	3
		HIST 4470-4479 Sport Studies	3
<b>Total</b>	<b>30</b>	<b>Total</b>	<b>31</b>

<sup>1</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table

<http://www.tntech.edu/transfers/home/>

<sup>2</sup>Select from HIST 1210, HIST 1220; PHIL 1030; MUS 1030; ARTH 1030; ENGL 2210, 2220, 2310 or 2320; THEA 1030.

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

## EXERCISE SCIENCE, PHYSICAL EDUCATION AND WELLNESS

## Fitness and Wellness Concentration

ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
ENGL 1010, 1020	Composition I, II	3	3	BIOL 2010, 2020	Human Anatomy & Physiology I, II	4	4
HEA 131	Elementary Nutrition	0	2	HEA 227	Intro to Exercise Science	3	0
MATH 1530	Probability and Statistics	3	0	HIST 2010, 2020	Survey of U.S. History I, II	3	3
PSYC 1030	General Psychology	0	3	SPCH 1010	Fundamentals of Speech	0	3
BIOL 1110, 1120	General Biology I, II	4	4	Social/Behavioral Science Elective <sup>3</sup>		0	3
HEA 221	Safety, First Aid, and CPR	0	3	ENGL 2110 or 2120		3	0
Electives <sup>1</sup>		5	0	Humanities/Fine Arts Electives <sup>2</sup>		3	3
Total		15	15	Total		16	14

TENNESSEE TECHNOLOGICAL UNIVERSITY  
EXERCISE SCIENCE, PHYSICAL EDUCATION AND WELLNESS - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Christy Killman, Department Chairperson  
Health and Physical Education Building, Phone: (931) 372-3467

Junior Year			Senior Year		
EXPW 1150	Care & Prevention of Athletic Injuries	3	BMGT 3510	Management of Organizational Behavior	3
EXPW 2150	Human Sexuality	3	EXPW 4210	Gerontology	3
EXPW 2160	Drug Use and Abuse	3	EXPW 4440	Physiology of Exercise	3
EXPW 3032	Exercise Prescription for Fitness and Wellness	3	EXPW 4520	Adapted Physical Activity and Sport	3
EXPW 3410	Lifespan Motor Development	3	EXPW 4171	Exercise & Sport Psychology	3
EXPW 3170	Motor Learning	3	EXPW 4730	Assessment & Evaluation in PHED	3
EXPW 4420	Kinesiology	3	EXPW 4810	Field Experience	3
Electives		10	EXPW 4032	Training for Performance	3
			EXPW 4042	Health Promotion	3
			Electives		2
Total		31	Total		29

<sup>1</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/home/>

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

10/15/14

## EXERCISE SCIENCE, PHYSICAL EDUCATION AND WELLNESS

### Pre-Occupational Therapy Concentration

#### ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
HEA 131	Elementary Nutrition	0	2	BIOL 2010, 2020	Human Anatomy & Physiology I, II	4	4
ENGL 1010, 1020	Composition I, II	3	3	ENGL 2310 or 2320	World Literature I or II <u>OR</u>		
SOCI 1010	Introduction to Sociology	0	3	ENGL 2210 or 2220	British Literature I or II		
MATH 1530	Probability & Statistics	3	0	ENGL 2110 or 2120	American Literature I or II	0	3
MATH 1130	College Algebra	0	3	Humanities/Fine Arts Electives <sup>1</sup>		3	3
PSYC 1030	General Psychology	3	0	SPCH 1010	Fundamentals of Speech	0	3
Electives <sup>2</sup>		5	3	HEA 227	Intro to Exercise Science	3	0
				HIST 2010, 2020	Survey of U.S. History I, II	3	3
				INFS 1010	Computer Applications	3	0
	Total	14	14		Total	16	16

#### TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Advisor: Dr. Christy Killman, Department Chairperson

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

Junior Year			Senior Year		
EXPW 1150	Care & Prevention of Athletic Injuries	3	EXPW 4171	Exercise & Sport Psychology	3
EXPW 2130	Concepts of Comprehensive Health	3	EXPW 4420	Kinesiology	3
EXPW 2430	First Aid, Safety, & CPR	2	EXPW 4520	Adapted Physical Activity and Sport	3
EXPW 3032	Exercise Prescription for Fitness and Wellness	3	EXPW 4730	Assessment & Evaluation in PHED	3
SPED 3031	Physical Management & Support for Orthopedic, Motor & Health Impaired	3	EXPW 4810	Field Experience	3
EXPW 3170	Motor Learning	3	EXPW 4440	Physiology of Exercise	3
EXPW 3410	Lifespan Motor Development	3	EXPW 4210	Gerontology	3
Electives		9	Electives		10
	Total	29		Total	31

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Directed Electives: CHEM 1110, CHEM 1120, PHYS 2010, and PHYS 2020.

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

# EXERCISE SCIENCE, PHYSICAL EDUCATION AND WELLNESS

## Pre-Physical Therapy Concentration

### ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
MATH 1530 Probability & Statistics	3	0	ENGL 2210 or 2220 British Literature I or II		
MATH 1130 College Algebra	0	4	ENGL 2110 or 2120 American Literature I or II	0	3
SOCI 1010 Introduction to Sociology	0	3	SPCH 1010 Fundamentals of Speech	0	3
Humanities/Fine Arts Elective <sup>1</sup>	3	0	HEA 131 Elementary Nutrition	0	2
PSYC 1030 General Psychology	3	0	BIOL 2010, 2020 Anatomy & Physiology I, II	4	4
INFS 1010 Computer Applications	0	3	HIST 2010, 2020 Survey of U.S. History I, II	3	3
HEA 227 Intro to Exercise Science	0	2	Humanities/ Fine Arts Elective <sup>1</sup>	3	0
Directed Elective <sup>2</sup>	4	0	Directed Elective <sup>2</sup>	4	0
<b>Total</b>	<b>16</b>	<b>15</b>	<b>Total</b>	<b>14</b>	<b>15</b>

### TENNESSEE TECHNOLOGICAL UNIVERSITY EXERCISE SCIENCE, PHYSICAL EDUCATION AND WELLNESS - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Christy Killman, Department Chairperson  
Health and Physical Education Building, Phone: (931) 372-3467

Junior Year			Senior Year		
EXPW 1150 Care & Prevention of Athletic Injuries	3		EXPW 4171 Exercise and Sport Psychology		3
EXPW 2130 Concepts of Comprehensive Health	3		EXPW 4440 Physiology of Exercise		3
EXPW 2430 First Aid, Safety, & CPR	2		EXPW 4520 Adapted Physical Activity and Sport		3
EXPW 3032 Exercise Prescription for Fitness and Wellness	3		EXPW 4730 Assessment & Evaluation in Physical Education		3
EXPW 3170 Motor Learning	3		EXPW 4810 Field Experience		3
EXPW 3410 Lifespan Motor Development	3		Electives		14
EXPW 4210 Gerontology	3				
EXPW 4420 Kinesiology	3				
SPED 3031 Physical Management and Support Services for Orthopedic, Motor and Health Impaired	3				
Electives		4			
<b>Total</b>		<b>30</b>	<b>Total</b>		<b>30</b>

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Directed Electives: BIOL 1120, CHEM 1110, CHEM 1120; PHYS 2010, PHYS 2020; and Medical Terminology

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

## MUSIC EDUCATION - INSTRUMENTAL (K-12)

### ROANE STATE COMMUNITY COLLEGE

#### A.S. GENERAL STUDIES

Freshman Year	F	SP	Sophomore Year	F	SP
EDU 211 Educational Psychology	0	3	ENGL 2310 or 2320		
ENGL 1010, 1020 Composition I, II	3	3	World Literature I or II <u>OR</u>		
MUS 101 Voice Class I	1	0	ENGL 2210 or 2220		
MUS 110 Music Theory I	3	0	British Literature I or II <u>OR</u>		
MUS 111 Ear Training I	1	0	ENGL 2110 or 2120		
MATH <sup>1</sup>	3	0	American Literature I or II	3	0
MUS Applied Instru. to Major Areas	1	1	HIST 2010, 2020 U.S. History I, II	3	3
MUS Ensemble	1	1	MUS 220 Music Theory IV	0	3
SPCH 1010 Fundamentals of Speech	0	3	MUS Ensemble	1	1
Social/Behavioral Science Electives <sup>1</sup>	3	3	MUS Applied Instr. to Major Fields	1	1
			Natural Science Electives <sup>1</sup>	4	4
			Humanities/Fine Arts Elective <sup>1</sup>	0	3
			MUS 1030 Music Appreciation	3	0
Total	16	14	Total	15	15

#### TENNESSEE TECHNOLOGICAL UNIVERSITY

#### MUSIC EDUCATION: INSTRUMENTAL MUSIC (K-12) - BACHELOR OF MUSIC DEGREE

Advisor: Dr. Jennifer Shank, Department Chairperson

Fine Arts 264, Phone: (931) 372-3161

Junior Year		1	2	3	4	Senior Year		5	6	7	8
MUED 1820 Introduction to Music Education		1				MUED 4871 Residency I		5			
MUED 3110 Materials & Meth in Music K-6		3				MUED 4872 Professional Seminar I		5			
MUED 3130 Materials and Methods in Instrumental Music, Grades 7-12		3				MUED 4881 Residency II		10			
MUED 3230 or 3735		2				MUED 4882 Professional Seminar II		2			
MUED 3620 Fundamentals of Conducting		1				MUS 3010, 3020 Music History I, II		6			
MUED 3630 Instrumental Conducting		2				MUS 4000 Senior Recital		1			
MUS 1023, 1024 Intermediate Class Piano for Music Majors III, IV		2				Major Ensemble		1			
MUS 1070 Concert Choir I		1				Applied Music		1			
MUS 1140 Harmony II		3									
MUS 1150 Aural Techniques II		1									
MUS 2110 Harmony III		2									
MUS 2120 Aural Techniques III		1									
MUS 2140 Aural Techniques IV		1									
MUS 3130 Form and Analysis		2									
MUS 3210 Instrumentation		2									
MUS 4510 Computer Applications in Music		2									
Applied Music		2									
Major Ensemble		2									
Instrument Classes		5									
Total		36				Total		31			

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

Must submit evidence of current First Aid/CPR training.

See 2014-15 TTU Undergraduate Catalog for junior and senior footnotes.

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

## MUSIC EDUCATION - VOCAL/GENERAL MUSIC EDUCATION (K-12)

### ROANE STATE COMMUNITY COLLEGE

#### A.S. - MUSIC EDUCATION

Freshman Year		F	SP	Sophomore Year		F	SP
ENGL 1010, 1020	Composition I, II	3	3	ENGL 2310 or 2320			
MATH <sup>1</sup>		3	0		World Literature I or II <u>OR</u>		
MUS 105	Accompanying	1	0	ENGL 2210 or 2220			
MUS 110	Music Theory I	3	0		British Literature I or II <u>OR</u>		
MUS 111	Ear Training I	1	0	ENGL 2110 or 2120			
MUS 1030	Music Appreciation	0	3		American Literature I or II	0	3
MUS	Applied Instr. to Major Area	1	1	HIST 2010, 2020	U.S. History I, II	3	3
MUS	Ensemble	1	1	MUS 220	Music Theory IV	0	3
SPCH 1010	Fundamentals of Speech	0	3	MUS	Ensemble	1	1
Social/Behavioral Science Elective <sup>1</sup>		3	0	MUS	Applied Instr. to Major Fields	1	1
Humanities/Fine Arts Elective <sup>1</sup>		0	3	Natural Science Electives <sup>1</sup>		4	4
				Social/Behavioral Science Elective <sup>1</sup>		3	0
				EDU 211	Educational Psychology	3	0
	Total	16	14	Total		15	15

#### TENNESSEE TECHNOLOGICAL UNIVERSITY MUSIC: VOCAL/GENERAL MUSIC EDUCATION K-12 - BACHELOR OF MUSIC DEGREE

Advisor: Dr. Jennifer Shank, Department Chairperson

Fine Arts 264, Phone: (931) 372-3161

Junior Year			Senior Year		
MUED 1820	Intro to Music Education (Fall only)	1	MUED 4871	Residency I	5
MUED 3110	Materials and Methods in Music K-6	3	MUED 4872	Professional Seminar I	5
MUED 3140	Materials & Methods in Vocal Music, Grades 7-12	3	MUED 4881	Residency II	10
MUED 3620	Fundamentals of Conducting	1	MUED 4882	Professional Seminar	2
MUED 3640	Choral Conducting and Lit.	2	MUS 3010, 3020	Music History I, II	6
MUS 1023, 1024	Intermediate Class Piano for Music Majors III, IV (Voice majors)	2	MUS 4000	Senior Recital	1
MUS 1140, 1150	Harmony II, Aural Techniques II	4	Applied Music		1
MUS 1210, 1220	Diction for Singers I, II	2	Major Ensemble		1
MUS 2110, 2120	Harmony III, Aural Techniques III	3			
MUS 2140	Aural Techniques IV	1			
MUS 3130	Form and Analysis	2			
MUS 3240	Choral Literature	2			
MUS 3800	Vocal Pedagogy and Literature I	2			
MUS 4510	Computer Applications in Music	2			
Applied Music		2			
Major Ensemble		2			
	Total	32		Total	31

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

Must submit evidence of current First Aid/CPR training.

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

# COLLEGE OF ENGINEERING

## CHEMICAL ENGINEERING

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
CHEM 1110, 1120	General Chemistry I, II	4	4	CHEM 2010, 2020	Organic Chemistry	4	4
ENGL 1010, 1020	Composition I, II	3	3	ENGL 2310 or 2320	World Literature I or II <u>OR</u>		
ENGR 1110	Survey of Engineering	1	0	ENGL 2210 or 2220	British Literature I or II <u>OR</u>		
ENGR 1120	Computer Aided Engineering	0	3	ENGL 2110 or 2120	American Literature	0	3
MATH 1910, 1920	Calculus I, II	4	4	MATH 2120	Differential Equations	0	3
SPCH 1010	Fundamentals of Speech	3	0	MATH 2110	Calculus III	4	0
Social/Behavioral Science Electives <sup>1</sup>		3	3	PHYS 2110, 2120	Calculus-Based Physics I, II	4	4
				Humanities/Fine Arts Electives <sup>1</sup>		3	3
				HIST 1010, 1020	Survey of Western Civ I, II <u>OR</u>		
				HIST 1210, 1220	Survey of World History I, II <u>OR</u>		
				HIST 2010 or 2020 or 2030 <sup>2</sup>		3	3
				Total		18	20
Total		18	17	Total		18	20

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

Advisor: Dr. Pedro Arce, Department Chairperson

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

(Recommend the advisor be contacted prior to transfer.)

Junior Year <sup>3</sup>		Senior Year	
CHE 1520	Intro to Chemical and Biological Process Analysis and Scaling I	3	CHE 4131 Transfer Science III 4
CHE 2020	Intro to Chemical and Biological Process Analysis and Scaling I	3	CHE 4240 CHE Capstone Laboratory 1
CHE 3010	Thermodynamics of Chem Processes	3	CHE 4210 Chemical Reaction Engineering 4
CHE 3021	Separations & Sol Thermodynamics	4	CHE 4540 Process Dynamics & Controls 3
CHE 3111	Transfer Science I	4	CHE 4410 Process Design I 3
CHE 3121	Transfer Science II: Fluid Mechanics	4	CHE 4420 Process Design II 3
CHE 3730	CHE Operations	3	ChE Technical Electives <sup>5</sup> 6
CEE 2110, ECE 3810, or BIOL 3200		3	CHE 4910 Professionalism and Ethics in CHE 1
Technical Electives <sup>4</sup>		3	CHEM 3510, 3520 Physical Chemistry 8
Total		29	Total 33

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Six hours of history are not required for the Bachelor of Science degree in Chemical Engineering but required for RSCC Associate Degree.

<sup>3</sup>Students must apply to the CHE Fast-Track MS program by the end of their second junior term.

<sup>4</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 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.

<sup>5</sup>Three hours of ChE Technical Electives must come from one of the following courses:

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

In order to transfer into the Chemical Engineering Department, a student must have at least a 2.0 GPA according to the TTU Transfer Evaluations.

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



# COMPUTER ENGINEERING

## ROANE STATE COMMUNITY COLLEGE

### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	CISP 2030 Data Structures	3	0
MATH 1910, 1920 Calculus I, II	4	4	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
CHEM 1110 General Chemistry I	4	0	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
Humanities/Fine Arts Elective <sup>1</sup>	3	0	ENGL 2110 or 2120 American Literature I or II	0	3
Social/Behavioral Science Elective <sup>1</sup>	0	3	SPCH 1010 Fundamentals of Speech	3	0
HIST 1010, 1020 Survey of Western Civ I, II <u>OR</u>			PHYS 2110, 2120 Calculus-Based Physics I,II	4	4
HIST 1210, 1220 Survey of World History I, II <u>OR</u>			MATH 2120 Differential Equations	0	3
HIST 2010 or 2020 or 2030 <sup>2</sup>	3	3	MATH 2110 Calculus III	4	0
			Humanities/Fine Arts Elective <sup>1</sup>	3	0
			Social/Behavioral Science Elective <sup>1</sup>	0	3
Total	17	13	Total	17	13

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

Advisor: Dr. Charles Carnal, Faculty Advisor

Brown Hall 217, Phone: (931) 372-3397

(Recommend the advisor be contacted prior to transfer.)

Third Year	Fourth Year
CSC 2100, 2101 Intro to Prob Solving & Computer Prog, Lab	ECE 3020 Discrete-Time Signals and Systems
CSC 2500 Unix Laboratory	ECE 3060 EE Lab II
ECE 2001 Computer Aided Engineering in ECE	ECE 3300 Electronics I
ECE 2010 Electric Circuits I	ECE 3160 Digital Systems Lab
ECE 2011 EE Lab I	ECE 3120 Microcomputer Systems
ECE 2020 Electric Circuits II	ECE 4910 Professional Issues IN ECE
ECE 2110 Intro to Digital Systems	CSC 2400 Design of Algorithms
ECE 3010 Signals & Systems	CSC 3030 Practical and Professional Issues in Computer Science
MATH 2010 Elementary Matrix Algebra	CSC 4200 Computer Networks
MATH 3470 Introductory Probability and Statistics	Total
Total	19
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 Lab elective <sup>3</sup>	1
EE elective <sup>3</sup>	3
CmpE elective <sup>3</sup>	3
CSC 4100 Operating Systems	3
CS elective <sup>3</sup>	3
Total	27

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Six hours of history are not required for the Bachelor of Science degree in Engineering but required for RSCC Associate Degree.

<sup>3</sup>Select from the ECE Department approved list.

In order to transfer into the Electrical and Computer Engineering Department, a student must have at least a 2.0 GPA according to the TTU Transfer Evaluations.

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

## COMPUTER SCIENCE

ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
MATH 1910, 1920 Calculus I, II	4	4	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
Science Sequence <sup>2</sup>	4	4	ENGL 2110 or 2120 American Literature I or II	0	3
Social/Behavioral Science Electives <sup>1</sup>	3	3	HIST 2010, 2020 U.S. History I, II	3	3
			MATH 2010 Matrix Algebra	3	0
			SPCH 1010 Fundamentals of Speech	3	0
			Humanities/Fine Arts Electives <sup>1</sup>	3	3
			Second Science Sequence <sup>2</sup>	4	4
Total	14	14	Total	16	13

## TENNESSEE TECHNOLOGICAL UNIVERSITY

## COMPUTER SCIENCE: SOFTWARE AND SCIENTIFIC APPLICATIONS - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Doug Talbert, Department Chairperson  
 Bruner Hall 244B, Phone: (931) 372-3691

Junior Year		Senior Year	
CSC 1200 Principles of Computing	3	CSC 4100 Operating Systems	3
CSC 1610 Discrete Structures for CSC	3	CSC 4200 Computer Networks	3
CSC 2100 Intro to Problem Solving and Computer Programming	3	CSC 4320 Computer Architecture	3
CSC 2101 Problem Solving/Computer Programming Lab	1	CSC 4610 Software Engineering I	3
CSC 2110 Data Structures and Algorithms	3	CSC 4620 Software Engineering II	3
CSC 2111 Data Structures and Algorithms Lab	1	CSC (Advanced core) <sup>4</sup>	3
CSC 2120 Object-oriented Programming & Design	3	CSC Upper-Division Elective <sup>3</sup>	6
CSC 2121 Object-oriented Programming & Design Lab	1	Electives	2
CSC 2400 Design of Algorithms	3		
CSC 2500 Unix Laboratory			
CSC 2710 Foundations of Computer Science	3		
CSC 3040 Professionalism, Communication and Research in Computing	3		
CSC 3300 Database Management Systems	3		
CSC 3410 Comp. Organ. & Assem. Lang. Prog.	3		
MATH 3470 Intro. Probability & Statistics	3		
Total	36	Total	24

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Science sequence, choose from: BIOL 1110-1120; CHEM 1110-1120; or PHYS 2110-2120.

<sup>3</sup>Take any additional 3000-or 4000-level CSC course.

<sup>4</sup>Select from one of the following: CSC 4010, 4240, 4400, 4450 and 4760.

# COMPUTER SCIENCE

10/15/14

## ROANE STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
CISP 1090 Intro to Programming	3	0	CISP 2030 Data Structures	0	3
ENGL 1010, 1020 Composition I, II	3	3	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
MATH 1910, 1920 Calculus I, II	4	4	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
Natural Science Sequence	4	4	ENGL 2110 or 2120 American Literature I or II	0	3
Social/Behavioral Science Elective <sup>1</sup>	3	3	HIST 2010, 2020 U.S. History I, II	3	3
			MATH 2010 Matrix Algebra	3	0
			SPCH 1010 Fundamentals of Speech	3	0
			Humanities/Fine Arts Electives <sup>1</sup>	3	3
			Lab Science	0	4
			Elective	1	0
Total	17	14	Total	13	16

TENNESSEE TECHNOLOGICAL UNIVERSITY  
COMPUTER SCIENCE OPTION: INFORMATION TECHNOLOGY - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Doug Talbert, Department Chairperson  
Bruner Hall 244B, Phone: (931) 372-3691

Junior Year	F	SP	Senior Year	F	SP
CSC 1200 Principles of Computing	3	0	BMGT 3510 Management & Organization Behavior	3	3
CSC 1610 Discrete Structures for CSC	3	3	CSC 3560 Network and Storage Technologies	3	3
CSC 2100 Intro to Problem Solving and Computer Programming	3	3	CSC 4570 IT Security	3	3
CSC 2101 Problem Solving and Computer Programming Lab	1	3	CSC 4710 Design and Development of Human and Web Interfaces	3	3
CSC 2400 Design of Algorithms	3	3	CSC 4990 CSC Internship	6	6
CSC 2500 Unix Laboratory	1	3	Electives	10	10
CSC 2560 Networks for Information Technologists	3	3			
CSC 3040 Professionalism, Communication and Research in Computing	3	3			
CSC 3100 Web Programming	3	3			
CSC 3300 Database Management Systems	3	3			
CSC 3550 Systems Programming	3	3			
MATH 3470 Intro Probability and Statistics	3	3			
Total	32	32	Total	28	28

<sup>1</sup>Must be selected from the General Education requirements on page 40 of the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

# ENGINEERING TECHNOLOGY

## ROANE STATE COMMUNITY COLLEGE

### DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
CHEM 1010 Intro to Chemistry I	4	0	Humanities/Fine Arts Electives <sup>1</sup>	3	3
ENGL 1010, 1020 Composition I, II	3	3	ECON 2010 or 2020	0	3
ENGR 1610 Engineering Graphics	2	0	ENGL 2310 or 2320 World Literature I or II <u>OR</u>		
ENGR 1120 Computer Aided Engineering	0	3	ENGL 2210 or 2220 British Literature I or II <u>OR</u>		
MATH 1730 Pre-Calculus	4	0	ENGL 2110 or 2120 American Literature I or II	0	3
MATH 1910 Calculus I	0	4	HIST 2010, 2020 U.S. History I, II	3	3
SPCH 1010 Fundamentals of Speech	0	3	PHYS 2010, 2020 or PHYS 2110, 2120	4	4
			PSYC 1030 General Psychology	3	0
			Elective <sup>3</sup>	1	0
Total	13	13	Total	14	16

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

Advisor: Dr. Ahmed ElSawy, Department Chairperson

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

(Recommend the advisor be contacted prior to transfer.)

Junior Year		Senior Year	
MET 1110 Intro to Manufacturing Engineering Technology	3	ACCT 3720 Survey of Accounting	3
MET 2000 Occupational Safety	2	ECON 3610 Business Statistics I	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	3	MET 4615 Engineering Technology Ethics and Professionalism	1
MET 3130 Maintenance Technology I	3	MET 4620 Senior Projects	3
MET 3200 Applied Electricity & Electronics	3	DS 3520 Operations Management	3
MET 3301 CAD for Technology	2	Business Elective	3
MET 3700 Manufacturing Cost Estimating	2	Area of Emphasis	12
MET 3710 Methods Design	2		
MET 3730 Quality Assurance	2		
ME 3110 Physical Metallurgy & Heat Treatment	3		
BMGT 3510 Management & Organization Behavior	3		
Total	34	Total	34

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <http://www.tntech.edu/transfers/transfertablesagreements/>.

<sup>2</sup>Business Elective: BMGT 3630, BMGT4520, DS 3620, DS 3540, FIN 3210, LAW 3810 or MKT 3400.

<sup>3</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <http://www.tntech.edu/transfers/home/>

<sup>4</sup>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 4410, MET 4210.

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.

In order to transfer directly into the Industrial Technology Department, a student must have at least a 2.0 GPA according to the TTU Transfer Evaluations. Exceptions will be made only by the Industrial Technology Departmental Chairperson.

# COLLEGE OF INTERDISCIPLINARY STUDIES

## INTERDISCIPLINARY STUDIES (B.S.) (LIST)

### ROANE STATE COMMUNITY COLLEGE

#### A..S.

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	INFS 1010 Computer Applications	3	0
HIST 2010, 2020 Survey of U.S. History I, II	3	3	ENGL Literature <sup>1</sup>	3	0
General Education MATH	3	0	Humanities/Fine Arts Elective <sup>1</sup>	0	3
Natural Science <sup>1</sup>	4	4	Electives <sup>2</sup>	10	12
Humanities/Fine Arts Elective <sup>1</sup>	0	3	SPCH 1010 Fundamentals of Speech	3	0
Elective <sup>2</sup>	0	3			
<b>Total</b>		<b>16 10</b>	<b>Total</b>	<b>16</b>	<b>15</b>

TENNESSEE TECHNOLOGICAL UNIVERSITY  
 Jeannie Smith, Student Success Center Director  
 Southwest Hall 146, Phone (931) 372-6238

Junior Year			Senior Year		
BMGT 3510 Management & Organizational		3	BMGT 3630 Human Resource Management		3
PSY 3000 Problem Solving		3	FOED 3010 Integrated Instruction Tech		3
PSY 4160 Abnormal Psychology		3	FOED 4340 Technology for Presentations		3
PSY 3410 Industrial Psychology		3	LAW 3810 Business Law		3
PSY 4150 Psychology of Personality		3	SPAN 3550 Latin American: Countries & People		3
LIST 4093 Special Topics		3	LIST 4850 Topics in Org Development		3
SOC 3300 Occupational Sociology		3	SPCH 3000 Computer Mediate Communication		3
SOC 4430 People in Organizations		3	UNIV 4116 Internship		6
PC 3250 Professional Communications		3	UNIV 4995 Culminating Project		3
LIST 4100 Adult Learning		3			
<b>Total</b>		<b>30</b>	<b>Total</b>		<b>30</b>

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <https://www.tntech.edu/admissions/undergraduates/transfertablesagreements>

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <https://www.tntech.edu/admissions/undergraduates/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.

## INTERDISCIPLINARY STUDIES (B.S.) (LIST)

### ROANE STATE COMMUNITY COLLEGE

#### A..S.

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	INFS 1010 Computer Applications	3	0
HIST 2010, 2020 Survey of U.S. History I, II	3	3	ENGL Literature <sup>1</sup>	3	0
General Education MATH	3	0	Humanities/Fine Arts Elective <sup>1</sup>	0	3
Natural Science <sup>1</sup>	4	4	Electives <sup>2</sup>	10	12
Humanities/Fine Arts Elective <sup>1</sup>	3	3	SPCH 1010 Fundamentals of Speech	3	0
Elective <sup>2</sup>	0	3			
Total	16	16	Total	16	15

TENNESSEE TECHNOLOGICAL UNIVERSITY  
 Jeannie Smith, Student Success Center Director  
 Southwest Hall 146, Phone (931) 372-6238

Junior Year		Senior Year	
Concentration Area credits (3000-4000 level courses)	12	Concentration Area credits	12
Electives credits (3000-4000 level)	18	Electives credits	15
		UNIV 4995 Culminating Project (last semester; all concentration requirements must be completed prior)	3
Total	30	Total	30

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table <https://www.tntech.edu/admissions/undergraduates/transfertablesagreements>

<sup>2</sup>Elective courses must be selected from the RSCC/TTU Transfer Course Equivalency table <https://www.tntech.edu/admissions/undergraduates/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.

**PROFESSIONAL STUDIES (B.S.) (PRST)**ROANE STATE COMMUNITY COLLEGE

## A..S

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 Composition I, II	3	3	INFS 1010 Computer Applications	3	0
HIST 2010, 2020 Survey of U.S. History I, II	3	3	ENGL Literature <sup>1</sup>	3	0
General Education MATH	0	3	Humanities/Fine Arts Elective <sup>1</sup>	0	3
Natural Science <sup>1</sup>	4	4	Electives <sup>2</sup>	10	12
Humanities/Fine Arts Elective <sup>1</sup>	0	3	SPCH 1010 Fundamentals of Speech	3	0
<b>Total</b>	<b>16</b>	<b>13</b>	<b>Total</b>	<b>16</b>	<b>15</b>

TENNESSEE TECHNOLOGICAL UNIVERSITY  
 Jeannie Smith, Student Success Center Director  
 Southwest Hall 146, Phone (931) 372-6238

Junior Year		Senior Year	
Professional Core (3000-4000 level courses)	9	Professional Core (3000-4000 level courses)	12
Concentration (3000-4000 level)	15	Electives credits	15
Electives credits (3000-4000 level)	6	UNIV 4995 Culminating Project (last semester; all concentration requirements must be completed prior)	3
<b>Total</b>	<b>30</b>	<b>Total</b>	<b>30</b>

Available concentrations in Health Administration, Information Technology, Organizational Leadership, or International Organization Leadership, <http://www.rod.org/bachelor%E2%80%99s-degrees>. This is an online degree program delivered through Regents Online Campus Collaborative, [www.rod.org](http://www.rod.org).

# SCHOOL OF NURSING

## NURSING

### ROANE STATE COMMUNITY COLLEGE

#### DEGREE: ASSOCIATE OF APPLIED SCIENCE

This articulation agreement is designed for the RSCC student who successfully completed the AAS Nursing curriculum at Roane State.

Freshman Year		Sophomore Year			
BIOL 2010, 2020	Human Anatomy and Physiology I, II	8	BIOL 2230	Microbiology	4
ENGL 1010	Composition I	3	MATH 1130 or 1530		3
NSG 105	Foundations for Nursing Practice	10	NSG 210	Adult & Child Health II	10
NSG 107	Care of Childbearing Family	3	NSG 212	Psychosocial Nursing	4
NSG 109	Adult & Child Health I	6	NSG 215	Transition to Nursing Practice	3
NSG 118	Pharmacology in Nursing	3	PSYC 2130	Life Span Psychology	3
Humanities/Fine Arts Elective <sup>1</sup>		3	SPCH 1010	Fundamentals of Speech	3
	Total	36		Total	30

#### TENNESSEE TECHNOLOGICAL UNIVERSITY NURSING - BACHELOR OF SCIENCE DEGREE

Advisor: Ben Clark

Nursing and Health Services Building 208, Phone (931) 372-3229

Transition-Roane State		
ENGL 1020 <sup>3</sup>	Composition II	3
ENGL 2130, 2230, or 2330 <sup>3</sup>		3
Humanities/Fine Arts Elective <sup>5</sup>		3
HIST 2010, 2020 <sup>3</sup>	American History	6
PSY 2010	General Psychology	3
SOC 1010 or 1100 <sup>3</sup>		3
Elective <sup>6</sup>		3
	Total	24

Junior Year		Senior Year			
NLN <sup>2</sup>	Mobility Profile II Exams	NURS 3430	Survey of Pharmacological Aspects of Nursing	3	
NURS 3260, 3261 or 3281		2-3			
NURS 3270, 3271, 3250, 3280, 3350, 3361, 3370, 3371, 4000, 4001, 4100, 4101 <sup>4</sup>		32	NURS 4300	Research in Health Care	3
NURS 3380	Pathophysiological Processes for the Prof. Nurse	3	NURS 4430	Health Care of Communities	3
NURS 3465	Bridging to Professional Nursing Practice	4	NURS 4350	Health of Communities	4
	Total	42	NURS 4351	Health of Communities: Lab	3
			NURS 4450	Leadership & Management	3
			NURS 4451	Leadership & Management: Lab	4
			Total	Total	26

<sup>1</sup>Must be selected from the General Education requirements in the RSCC catalog and the TTU Course Equivalency table [www.tntech.edu/transfers/transfertablesagreements/](http://www.tntech.edu/transfers/transfertablesagreements/).

<sup>2</sup>If conditions of the Tennessee Career Mobility Plan are not met: then NLN Mobility Profile II exams must be successfully completed prior to the end of Fall semester of the junior year.

<sup>3</sup>Equivalent courses may be taken at Roane State and transferred to TTU.

<sup>4</sup>Credit for required courses NURS 3270, 3271, 3250, 3280, 3350, 3361, 3370, 3371, 4000, 4001, 4100, 4101 (32 hours total) will be awarded after the successful completion of 12 hours of Upper Division nursing course work. Admission to Upper Division Nursing at TTU is not automatic. Enrollment is limited and competitive. Application for Upper Division Nursing must be made directly with the School of Nursing in addition to application to the University. Applications will be available twice per year. Please check the website for specific dates at [www.tntech.edu/nursing](http://www.tntech.edu/nursing) under "How to Apply".

<sup>5</sup>Courses must be selected from the general education list.

<sup>6</sup>Any three hour course not otherwise required

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



2014-15

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

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