

TRANSFER AGREEMENT

2008-09

Motlow State Community College

Tennessee Technological University

Use this as a guide to make your way through Motlow 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 Motlow 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 Motlow State.
3. Students entering Motlow State must meet all the standards and follow the procedures of the current Motlow 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 students will complete an associate degree at Motlow 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 Motlow 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. Submit the form and a nonrefundable \$15 application fee to the Office of Admissions, Tennessee Technological University, P. O. Box 5006, Cookeville, Tennessee 38505. The application deadline date is two (2) weeks before the first day of registration.
2. Request each institution previously attended to send official transcripts of all work completed and a partial transcript if presently enrolled in another institution. Request the final transcript to be sent when all work is completed. Transcripts of all work attempted at the college level must be furnished.
3. The official grade point average will be computed on hours and grades earned at all previous colleges or universities. Credit is transferred with the grade made in the course. For example, an "A" is transferred as an "A" and an "F" is transferred as an "F."
4. Students who have attempted fewer than 60 semester hours of college credit must also submit high school transcripts, and those who have not completed college credit Math or English courses must follow COMPASS/ASSET testing guidelines. Students who have attempted fewer than 12 semester hours must also submit ACT scores.

5. All non-commuting single freshmen and sophomores must live in university housing.
6. The applicant will be notified of the admission status after all credentials have been received and evaluated. Tentative admission may be granted on the basis of partial transcripts if the quality of work is clearly acceptable. Final admission is granted only after all official transcripts and credentials are received. Upon acceptance the student will be sent a Letter of Admission.

If you would like to visit Tennessee Technological University at any time, please contact the Admissions Office between 8:00 - 4:30 Monday through Friday. For additional information, please contact the Office of Admissions at 931-372-3888 or toll-free 1-800-255-8881.

Expenses

For the list of current fees, check the Bursar's web site at www.tntech.edu/bursar/

Scholarship Information

Scholarship opportunities are available for transfer students. For scholarship information, check the scholarship web site at www.tntech.edu/scholarships/ The scholarship deadline date is December 15 for the next academic year.

Undergraduate Colleges and Departments

College of Agricultural and Human Sciences

School of Agriculture
 School of Human Ecology
 School of Nursing

College of Arts and Sciences

Biology
 Chemistry
 Computer Science
 Earth Sciences
 English and Communications
 Foreign Languages
 History
 Mathematics
 Physics
 Sociology and Political Science

College of Business

Accounting
 Decision Sciences and Management
 Economics, Finance and Marketing

College of Education

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

College of Engineering

Chemical Engineering
 Civil and Environmental Engineering
 Electrical and Computer Engineering
 Industrial and Systems Engineering
 Mechanical Engineering
 Manufacturing and Industrial Technology

School of Interdisciplinary Studies

Questions? Then Contact

Academic Records	Records & Registration, Derryberry Hall 102	372-3317
Admissions	Admissions Office, Derryberry Hall 209	372-3888
Athletics	Athletics, Hooper Eblen 300	372-3940
Auto Registration	University Police, University Services 101	372-3234
Bills	Business Office, Derryberry Hall 100	372-3311
Books and Supplies	University Store, University Center G-7	372-3131
College of		
Agricultural and Human Sciences	Dean's Office, South Hall 102	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 103	372-6336
Engineering	Dean's Office, Clement Hall 201	372-3172
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, University Center 339	372-3414
Religious Opportunity	Student Organizations Office, University Center 234	372-3236
School of Interdisciplinary Studies	Dean's Office, Henderson Hall Room 3	372-3394
School of Nursing	Kristi Loftis, Academic Advisor, Jere Whitson 131F	372-3229
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	Records & Registration, Derryberry Hall 102	372-3317

AGRICULTURE

Pre-Veterinary Science Concentration

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
CHEM 1110, 1120 General Chemistry I, II	4	4	COM 1010 Fundamentals of Speech	3	0
ENGL 1010, 1020 English Composition I, II	3	3	ENGL Literature	0	3
BIOL 1110, 1120 General Biology I, II	4	4	HIST 2010, 2020 United States History I, II	3	3
MATH 1530, 1630, 1830 or 1910	0	3-4	Humanities/Fine Arts Electives	3	3
Social/Behavioral Science Elective	3	0	MATH 1530, 1630, 1830 or 1910	0	3-4
			PHYS 2010, 2020 Non-Calculus Based Physics I, II	4	4
			Social/Behavioral Science Elective	3	0
Total	14	15-16	Total	15	15-16

TENNESSEE TECHNOLOGICAL UNIVERSITY

AGRICULTURE-Pre-Veterinary Concentration - BACHELOR OF SCIENCE DEGREE

Director: Dr. Wade Faw

SH 148, Phone: (931) 372-3019

Junior Year		Senior Year	
AGR 1020 Connections to Agriculture	1	AGR 4930 Senior Seminar	2
AGBE 2010 Economics of Agriculture	3	ANS 3010 Animal Nutrition	3
ANS 1010 Introductory Animal Science	3	ANS 3130 Animal Breeding	3
ANS 2020 Livestock Management	3	ANS 3140 Reproduction in Farm Animals	3
AGRN 1010 Plant Science	3	ANS 3150 Common Diseases & Parasites of Domestic Animals	3
AGRN 2210 Soils	3	CHEM 4610, 4620 General Biochemistry	6
AGET 2110 or 3110	3	4000-Level ANS production courses	3
BIOL 3140 Cellular Biology	4	Upper-division Agriculture Elective	6
CHEM 3010, 3020 Organic Chemistry I, II	8		
Total	31	Total	29

¹Elective courses must be selected from Motlow State/TTU Transfer Equivalency table http://www.tntech.edu/transfer/equivalency_tables.htm.

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

SCHOOL OF NURSING

NURSING

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF APPLIED SCIENCE IN NURSING

Freshman Year		F	SP	Sophomore Year		F	SP
COM 1010	Fundamentals of Speech	0	3	BIOL 2010, 2020	Anatomy and Physiology I, II	4	4
ENGL 1010, 1020	English Composition I, II	3	3	BIOL 2230	Microbiology	4	0
NET 1400	Role of Associate Degree Nurse	1	0	NET 2130	Seminar in Nursing	0	1
NET 1410	Nursing Care I	9	0	NET 2410	Nursing Care III	9	0
NET 1420	Nursing Care II	0	9	NET 2420	Nursing Care IV	0	10
PSY 1310	General Psychology I	3	0	Humanities/Fine Arts Elective		3	0
Total		16	15	Total		20	15

TENNESSEE TECHNOLOGICAL UNIVERSITY NURSING-BACHELOR OF SCIENCE DEGREE

Advisor: Kristi Loftis

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

Transition		
CHEM 1210 ²	Chemistry for Life Science	4
ENGL 2130, 2230, 2330 ²		3
HEC 2020	Nutrition	3
HIST 2010, 2020 ²	American History I, II	6
MATH 1130	College Algebra	3
Humanities/Fine Arts Elective		3
Electives		6
Total		31

Junior Year			Senior Year	
NLN ¹	Mobility Profile II Exams		NURS 4230	Pharmacological Concepts in Nursing II 2
NURS 3220, 3250, 3280, 3360, 3361, 3370, 3371, 4000, 4001, 4100, 4101 ³		33	NURS 4300	Research in Health Care 3
NURS 3281	Health Assessment & Promotion	3	NURS 4350	Health Care of Communities 4
NURS 3380	Path. Processes for the Prof. Nurse	3	NURS 4351	Health Care of Communities: Lab 3
NURS 3465	Bridging to Professional Nursing		NURS 4450	Leadership & Management 3
	Practice	4	NURS 4451	Leadership & Management: Lab 4
Total		43	Total 19	

¹If 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.

²Equivalent courses may be taken at Motlow State Community College and transferred to TTU.

³Credit for required courses NURS 3220, 3250, 3280, 3360, 3361, 3370, 3371, 4000, 4001 & 4100/4101 (33 hours total) will be awarded after the successful completion of 13 hours of Upper Division nursing course work (NURS).

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 April 1 through June 1 for spring admission and December 1 through February 1 for fall admission.

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

NURSING

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
BIOL 1110	General Biology I	4	0	BIOL 2230	Microbiology	4	0
CHEM 1110	General Chemistry I	4	0	BIOL 2010, 2020	Anatomy and Physiology I, II	4	4
COM 1010	Fundamentals of Speech	0	3	ENGL 2030	Experiencing Literature	0	3
ENGL 1010, 1020	English Composition I, II	3	3	ENGL 2130, 2230 or 2330		3	0
MATH 1530	Elem. Statistics	0	3	HIST 2010, 2020	United States History I, II	3	3
PSY 1310	General Psychology I	3	0	SOC 2110	Introduction to Sociology	3	0
PSY 1320 ¹	General Psychology II	0	3	SOC 2120 ¹	Social Problems	0	3
Humanities/Fine Arts Elective		0	3				
Elective		0	1				
Total		14	16	Total		17	13

TENNESSEE TECHNOLOGICAL UNIVERSITY
NURSING-BACHELOR OF SCIENCE DEGREE

Advisor: Kristi Loftis

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

Transition-Summer

HEC 2020 ²	Nutrition	3
NURS 2300	Intro to Prof. Nursing	2
	Total	5

Junior Year

NURS 3220	Fundamentals of Nursing	3
NURS 3281	Health Assess & Promotion	3
NURS 3250	Med/Surg Nurs I	4
NURS 3230	Pharmacological Concepts in Nursing I	2
NURS 3280	Med/Surg Nurs I: Lab	3
NURS 3360	Med/Surg Nurs II	5
NURS 3361	Med/Surg Nurs II: Lab	3
NURS 3370	Mental Health Nursing	3
NURS 3371	Mental Health Nursing: Lab	2
NURS 3380	Pathophysiological Processes for the Prof Nurse	3

Total 31

Senior Year

NURS 4000	Women's Health/Perinatal Nursing	3
NURS 4001	Women's/Perinatal Nursing: Lab	2
NURS 4100	Nurs Care of Children	3
NURS 4101	Nurs Care of Children: Lab	2
NURS 4230	Pharmacological Concepts in Nurs. II	2
NURS 4300	Research in Health Care	3
NURS 4350	Health Care of Communities	4
NURS 4351	Health Care of Communities: Lab	3
NURS 4450	Leadership & Management	3
NURS 4451	Leadership & Management: Lab	4

Total 29

¹Course required by Motlow State.

²Course may be taken at Motlow State. Motlow State's course number is HPE 2230.

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 April 1 through June 1 for spring admission and December 1 through February 1 for fall admission.

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

PSYCHOLOGY

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
ENGL 1010, 1020	English Composition I, II	3	3	ENGL Literature		0	3
PSY 1310, 1320	General Psychology I, II	3	3	HIST 2010, 2020	United States History I, II	3	3
BIOL 1110, 1120	General Biology I, II	4	4	Humanities/Fine Arts Electives		3	3
MATH 1530	Elem. Statistics	0	3	PSY 2120	Child Psychology	3	0
COM 1010	Fundamentals of Speech	3	0	PSY 2900	Abnormal Psychology	0	3
Electives ¹		3	0	Social/Behavioral Science Elective		3	0
				Electives ¹		3	3
	Total	16	14	Total		15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY
 PSYCHOLOGY - BACHELOR OF SCIENCE DEGREE
 Program Representative: Dr. L. W. Giesbrecht-Bettoli
 MH 235, Phone: (931) 372-3563

Junior Year			Senior Year		
PSY 3200	Developmental Psychology OR		PSY 4930	Senior Thesis	3
PSY 3300	Intro. to Social Psychology	3	PSY 4931	Senior Thesis	3
PSY 3010	Statistics & Experimental Design	3	PSY 3140, 3150, 3160 or 4140		3
PSY 3110	Experimental Psychology	4	PSY Electives		9
PSY 4050	Learning & Cognition	3	Electives		12
PSY 4130	Physiological Psychology	3			
PSY 4150	Psychology of Personality	3			
Electives		11			
	Total	30	Total		30

¹Elective courses must be selected from Motlow State/TTU Transfer Equivalency table http://www.tntech.edu/transfer/equivalency_tables.htm.

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

SOCIOLOGY

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
COM 1010 Fundamentals of Speech	3	0	ENGL 2130, 2230 or 2330	0	3
MATH	0	3	HIST 2010, 2020 United States History I, II	3	3
ENGL 1010, 1020 English Composition I, II	3	3	SOC 2200 Marriage and Family	3	0
SOC 2110 Introduction to Sociology	3	0	SOC 2120 Social Problems	0	3
Humanities/Fine Arts Elective	0	3	PSY 1310, 1320 General Psychology I, II	3	3
Science	4	4	Humanities/Fine Arts Elective	3	0
Electives ¹	0	4	Electives ¹	3	3
Total	14	16	Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY
 SOCIOLOGY - BACHELOR OF SCIENCE DEGREE
 Advisor: Dr. James Raymondo, Department Chair
 Daniel Hall 307, Phone: (931) 372-3437

Junior Year	F	SP	Senior Year	F	SP
Foreign Language	3	3	SOC 4920 or 4930 Data Analysis & Mgt. or Field Research	3	3
SOC 3900 Intro to Social Research	3	3	SOC 3100 Sociological Theory	3	3
SOC 3910 Social Science Statistical Analysis	3	3	SOC/SW/CJ Elective (Upper-Division)	6	6
SOC 3100 Sociological Theory	3	3	Electives	18	18
Social Science/Philosophy Elective	9	9			
SOC/SW/CJ Elective (Upper-Division)	9	9			
Total	30	30	Total	30	30

¹Elective courses must be selected from Motlow State/TTU Transfer Equivalency table http://www.tntech.edu/transfer/equivalency_tables.htm.

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

SOCIOLOGY - CRIMINAL JUSTICE

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
COM 1010 Fundamentals of Speech	3	0	ENGL Literature	3	0
ENGL 1010, 1020 English Composition I, II	3	3	HIST 2010, 2020 United States History I, II	3	3
MATH	0	3	CJA 2400 Intro to Criminology	3	0
POL 1110 American Government	0	3	Humanities/Fine Arts Elective	3	3
SOC 2110 Introduction to Sociology	3	0	Electives ¹	3	9
BIOL 1110, 1120 or CHEM 1110 1120	4	4			
CJA 2010 Intro to Criminal Justice	0	3			
Elective ¹	1	0			
Total	14	16	Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

SOCIOLOGY (CRIMINAL JUSTICE OPTION) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Henry W. Mannle, Sociology Department

Daniel Hall 321, Phone: (931) 372-3816

Junior Year		F	SP	Senior Year	F	SP
PHIL 1030 Introduction to Philosophy		3	0	SOC 4920 or 4930 Data Analysis and Management or		
Foreign Language		3	0	Field Research		3
CJ 2700 Introduction to Law Enforcement		3	0	Social Science/Philosophy Elective (upper-division)		3
CJ 3650 Juvenile Delinquency		3	0	SOC/SW/CJ Electives (upper-division)		12
SOC 3900 Introduction to Social Research		3	0	Electives		3
SOC 3910 Social Science Statistics Analysis		3	0			
SOC 3100 Sociological Theory		3	0			
CJ 3610 Criminal Justice Administration		3	0			
Social Science/Philosophy Elective		6	0			
Total		33	0	Total		27

¹Elective courses must be selected from Motlow State/TTU Transfer Equivalency table http://www.tntech.edu/transfer/equivalency_tables.htm.

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

SOCIOLOGY - SOCIAL WORK

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
BIOL 1110, 1120	4	4	ENGL Literature	3	0
ENGL 1010, 1020	3	3	HIST 2010, 2020	3	3
COM 1010	3	0	POL 1110	0	3
MATH	3	0	PSY 1310	3	0
SOC 2110	3	0	Humanities/Fine Arts Electives	3	3
SOC 2120	0	3	SOC 2570	0	3
SOC 2200	0	3	Electives ¹	3	3
Elective ¹	0	1			
Total	16	14	Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY SOCIOLOGY (SOCIAL WORK OPTION) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. James Raymondo, Department Chair

Daniel Hall 307, Phone: (931) 372-3437

Junior Year	F	SP	Senior Year	F	SP
Foreign Language	3	0	SOC 4920 or 4930	3	3
SOC 3900	3	0	Data Analysis and Management or Field Research	3	3
SW 4100	3	0	SW 4120	3	3
SOC 3910	3	0	Case Management	3	3
SOC 3100	3	0	SW 4900	3	3
SOC/SW/CJ Elective (Upper-Division)	6	0	PHIL 2250	3	3
PSY course	3	0	Introductory Ethics	3	3
Electives	3	0	SOC/SW/CJ Elective (Upper-Division)	3	3
			Electives	3	3
Total	30	0	Total	30	30

¹Elective courses must be selected from Motlow State/TTU Transfer Equivalency table http://www.tntech.edu/transfer/equivalency_tables.htm.

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

COLLEGE OF BUSINESS

ACCOUNTING

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
COM 1010 Fundamentals of Speech	3	0	ACT 2310, 2320 Principles of Accounting I, II	3	3
INFS 2010 Microcomputer Applications	0	4	BUS 1210+ Introduction to Business	3	0
ENGL 1010, 1020 English Composition I, II	3	3	ECON 2010, 2020 Principles of Economics I, II	3	3
MATH 1630 Finite Mathematics	3	0	ENGL Literature	0	3
MATH 1830 Calculus for Business App.	0	3	HIST 2010, 2020 United States History I, II	3	3
Science	4	4	Humanities/Fine Arts Elective	3	0
Humanities/Fine Arts Elective	3	0	Non-Business Electives ¹	0	3
Total	16	14	Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY
 ACCOUNTING - BACHELOR OF SCIENCE DEGREE
 Advisor: Dr. Dan Fesler, Department Chairperson
 Johnson Hall 210, Phone: (931) 372-3358

Junior Year	Senior Year
ACCT 3170, 3180 Financial Accounting & Reporting I, II	6 Accounting Electives ²
ACCT 3210 Cost Accounting	3 MKT 3400 Principles of Marketing
ACCT 3330 Federal Taxation I	3 ECON 3320, 3810 or 3820
ACCT 3620 Auditing I	3 FIN 3210 Principles of Managerial Finance
ECON 3610 Business Statistics I	3 LAW 3810 Legal Environment of Business
BMGT 3510 Management & Organization Behavior	3 DS 3620 Management Science
DS 3520 Operations Management	3 BMGT 4930 Business Strategy
DS 3840 Management Info. Systems	3 Business Elective ³
Communication Elective ⁴	3 Non-business Electives ³
Total	30
Total	34

+Course required by Motlow State and does not transfer to TTU.

¹Non-business electives must be selected from the Motlow/TTU Transfer Equivalency table
http://www.tntech.edu/transfer/equivalency_tables.htm.

²Select two courses:

- ACCT 4230 Advanced Managerial Accounting
- ACCT 4340 Tax Management for Entities
- ACCT 4410 Financial Accounting and Reporting III
- ACCT 4530 Governmental and Not-for-Profit Accounting
- ACCT 4750 Auditing in an ADP Environment
- ACCT 4800 Internship in Accounting

³Elective courses must be selected in consultation with the advisor.

⁴SPCH 2410 or PC 2500 if not taken as part of the General Education Core Communication requirement, ENGL 3250, ENGL 4970; MIT 4010; SPCH 3130, SPCH 3630, SPCH 4430, SPCH 4620, SPCH 4630; or foreign language 1010 or 1020.

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

BUSINESS MANAGEMENT - GENERAL MANAGEMENT

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
COM 1010 Fundamentals of Speech	3	0	ACT 2310, 2320 Principles of Accounting I, II	3	3
INFS 2010 Microcomputer Applications	0	4	BUS 1210+ Introduction to Business	3	0
ENGL 1010, 1020 English Composition I, II	3	3	ECON 2010, 2020 Principles of Economics I, II	3	3
MATH 1630 Finite Mathematics	3	0	ENGL Literature	3	0
MATH 1830 Calculus for Business App.	0	3	HIST 2010, 2020 United States History I, II	3	3
Science	4	4	Humanities/Fine Arts Elective	0	3
Humanities/Fine Arts Elective	3	0	Non-Business Electives ¹	0	3
Total	16	14	Total	15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

BUSINESS MANAGEMENT (GENERAL MANAGEMENT OPTION) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Curtis Armstrong, Interim Department Chairperson

Johnson Hall 306, Phone: (931) 372-3160

Junior Year		3		3		3		3		3
BMGT 3510 Management & Organization Behavior		3	BMGT 4410 Conflict Management & Negotiation		3			3		3
BMGT 3600 International Management		3	BMGT 4520 Applied Management Skills		3			3		3
BMGT 3630 Human Resource Management		3	BMGT 4930 Business Strategy		3			3		3
DS 3620 Management Science		3	BMGT Electives ²		6			6		6
DS 3810 Business App. of Microcomputers		3	DS 3520 Operations Management		3			3		3
DS 3841 Management Info. Systems		3	ECON 3320, 3810 or 3820		3			3		3
ECON 3610 Business Statistics I		3	LAW 3810 Legal Environment of Business		3			3		3
FIN 3210 Principles of Managerial Finance		3	Non-Business Electives ²		10			10		10
MKT 3400 Principles of Marketing		3								
Business Electives ²		3								
Total		30	Total		34					

+Course required by Motlow State and does not transfer to TTU.

¹Non-business electives must be selected from the Motlow/TTU Transfer Equivalency table

http://www.tntech.edu/transfer/equivalency_tables.htm.

²Elective 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

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
COM 1010	Fundamentals of Speech	3	0	ACT 2310, 2320	Principles of Accounting I, II	3	3
INFS 2010	Microcomputer Applications	0	4	BUS 1210+	Introduction to Business	3	0
ENGL 1010, 1020	English Composition I, II	3	3	ECON 2010, 2020	Principles of Economics I, II	3	3
MATH 1630	Finite Mathematics	3	0	ENGL Literature		0	3
MATH 1830	Calculus for Business App.	0	3	HIST 2010, 2020	United States History I, II	3	3
Science		4	4	Humanities/Fine Arts Elective		3	0
Humanities/Fine Arts Elective		3	0	Non-Business Electives ¹		0	3
Total		16	14	Total		15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

BUSINESS MANAGEMENT (HUMAN RESOURCE MANAGEMENT OPTION) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Curtis Armstrong, Interim Department Chairperson

Johnson Hall 306, Phone: (931) 372-3160

Junior Year			Senior Year		
BMGT 3510	Management & Organization Behavior	3	BMGT 4120	Compensation Administration	3
BMGT 3600	International Management	3	BMGT 4410	Conflict Management & Negotiations	3
BMGT 3630	Human Resource Mgmt.	3	BMGT 4520	Applied Management Skills	3
DS 3620	Management Science	3	BMGT 4610	Leadership & Employee Development	3
DS 3810	Business App. of Microcomputers	3	BMGT 4930	Business Strategy	3
DS 3841	Management Info. Systems	3	DS 3520	Operations Management	3
ECON 3610	Business Statistics I	3	ECON 3320, 3810 or 3820		3
FIN 3210	Principles of Managerial Finance	3	Business Electives ²		3
LAW 3810	Legal Environment of Business	3	Non-Business Electives ²		10
MKT 3400	Principles of Marketing	3			
Total		30	Total		34

+Course required by Motlow State and does not transfer to TTU.

¹Non-business electives must be selected from Motlow State/TTU Transfer Equivalency tablehttp://www.tntech.edu/transfer/equivalency_tables.htm.²Elective 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 - MANAGEMENT INFORMATION SYSTEMS

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
COM 1010	Fundamentals of Speech	3	0	ACT 2310, 2320	Principles of Accounting I, II	3	3
INFS 2010	Microcomputer Applications	0	4	BUS 1210+	Introduction to Business	3	0
ENGL 1010, 1020	English Composition I, II	3	3	ECON 2010, 2020	Principles of Economics I, II	3	3
MATH 1630	Finite Mathematics	3	0	ENGL Literature		0	3
MATH 1830	Calculus for Business App.	0	3	HIST 2010, 2020	United States History I, II	3	3
Science		4	4	Humanities/Fine Arts Elective		3	0
Humanities/Fine Arts Elective		3	0	Non-Business Electives ¹		0	3
Total		16	14	Total		15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

BUSINESS MANAGEMENT (MANAGEMENT INFORMATION SYSTEMS OPTION)-BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Curtis Armstrong, Interim Department Chairperson

Johnson Hall 306, Phone: (931) 372-3160

Junior Year			Senior Year		
BMGT 3510	Management & Organization Behavior	3	BMGT 4930	Business Strategy	3
DS 3520	Operation Management	3	DS 3860	Business Database Mgmt.	3
DS 3620	Management Science	3	DS 4250	Business Data Communications	3
DS 3810	Business App. of Microcomputers	3	DS 4330	Management Systems Analysis	3
DS 3841	Management Info. Systems	3	DS 4550	Info Systems Development Practicum	3
DS 3850	Advanced Business Data Processing	3	ECON 3320, 3810, or 3820		3
DS 3870	Business Web App Development	3	LAW 3810	Legal Environment of Business	3
ECON 3610	Business Statistics I	3	Business Electives ²		3
FIN 3210	Principles of Managerial Finance	3	Non-Business Electives ²		10
MKT 3400	Principles of Marketing	3			
Total		30	Total		34

+Course required by Motlow State and does not transfer to TTU.

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table
http://www.tntech.edu/transfer/equivalency_tables.htm.

²Elective 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 - PRODUCTION/OPERATIONS MANAGEMENT

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
COM 1010	Fundamentals of Speech	3	0	ACT 2310, 2320	Principles of Accounting I, II	3	3
INFS 2010	Microcomputer Applications	0	4	BUS 1210+	Introduction to Business	3	0
ENGL 1010, 1020	English Composition I, II	3	3	ECON 2010, 2020	Principles of Economics I, II	3	3
MATH 1630	Finite Mathematics	3	0	ENGL Literature		0	3
MATH 1830	Calculus for Business App.	0	3	HIST 2010, 2020	United States History I, II	3	3
Science		4	4	Humanities/Fine Arts Elective		3	0
Humanities/Fine Arts Elective		3	0	Non-Business Electives ¹		0	3
Total		16	14	Total		15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

BUSINESS MANAGEMENT (PRODUCTION/OPERATIONS MANAGEMENT) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Curtis Armstrong, Interim Department Chairperson

Johnson Hall 306, Phone: (931) 372-3160

Junior Year			Senior Year		
ACCT 3210	Cost Accounting	3	BMGT 4410	Conflict Management & Negotiation	3
BMGT 3510	Management & Organization Behavior	3	BMGT 4930	Business Strategy	3
BMGT 3630	Human Resource Management	3	ECON 3320, 3810 or 3820		3
DS 3520	Operations Management	3	LAW 3810	Legal Environment of Business	3
DS 3540	Quality & Productivity Systems	3	Business Electives ²		6
DS 3620	Management Science	3	DS or BMGT Electives ²		6
DS 3841	Management Info. Systems	3	ISE/MIT Electives ²		6
ECON 3610	Business Statistics I	3	Non-Business Electives ²		4
FIN 3210	Principles of Managerial Finance	3			
MKT 3400	Principles of Marketing	3			
Total		30	Total		34

+Course required by Motlow State and does not transfer to TTU.

¹Elective courses must be selected from Motlow State/TTU Transfer Equivalency tablehttp://www.tntech.edu/transfer/equivalency_tables.htm.²Elective 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.***

ECONOMICS

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
COM 1010	Fundamentals of Speech	3	0	ACT 2310, 2320	Principles of Accounting I, II	3	3
INFS 2010	Microcomputer Applications	0	4	BUS 1210+	Introduction to Business	3	0
ENGL 1010, 1020	English Composition I, II	3	3	ECON 2010, 2020	Principles of Economics I, II	3	3
MATH 1630	Finite Mathematics	3	0	ENGL Literature		0	3
MATH 1830	Calculus for Business App.	0	3	HIST 2010, 2020	United States History I, II	3	3
Science		4	4	Humanities/Fine Arts Elective ²		3	0
Humanities/Fine Arts Elective ²		3	0	Non-Business Electives ¹		0	3
Total		16	14	Total		15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY
ECONOMICS - BACHELOR OF SCIENCE DEGREE

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

Junior Year			Senior Year		
ECON 3810	Intermediate Microeconomics	3	ECON 3830	Managerial Economics	3
ECON 3820	Intermediate Macroeconomics	3	ECON 4510	International Trade and Finance <u>OR</u>	
BMGT 3510	Management and Organization Behavior	3	FIN 4910	Multinational Fin. Management	3
DS 3520	Operations Management	3	Economics Electives ²		9
DS 3620	Management Science	3	BMGT 4930	Business Strategy	3
DS 3841	Management Info. Systems	3	MKT 3400	Principles of Marketing	3
ECON 3320	Money and Banking	3	Business Electives ²		3
ECON 3610	Business Statistics I	3	Non-Business Electives ²		10
FIN 3210	Principles of Managerial Finance	3			
LAW 3810	Legal Environment of Business	3			
Total		30	Total		34

+Course required by Motlow State and does not transfer to TTU.

¹Elective courses must be selected from Motlow State/TTU Transfer Equivalency table

http://www.tntech.edu/transfer/equivalency_tables.htm.

²Elective 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

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
COM 1010	Fundamentals of Speech	3	0	ACT 2310, 2320	Principles of Accounting I, II	3	3
INFS 2010	Microcomputer Applications	0	4	BUS 1210+	Introduction to Business	3	0
ENGL 1010, 1020	English Composition I, II	3	3	ECON 2010, 2020	Principles of Economics I, II	3	3
MATH 1630	Finite Mathematics	3	0	ENGL Literature		0	3
MATH 1830	Calculus for Business App.	0	3	HIST 2010, 2020	United States History I, II	3	3
Science		4	4	Humanities/Fine Arts Elective		3	0
Humanities/Fine Arts Elective		3	0	Non-Business Electives ¹		0	3
Total		16	14	Total		15	15

TENNESSEE TECHNOLOGICAL UNIVERSITY
FINANCE - BACHELOR OF SCIENCE DEGREE

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

Junior Year			Senior Year		
FIN 3220	Intermediate Financial Management	3	FIN 4230	Advanced Financial Decision Analysis	3
FIN 3830	Fundamentals of Investment	3	ECON 4510	International Trade and Finance <u>OR</u>	
BMGT 3510	Management & Organization Behavior	3	FIN 4910	Multinational Fin. Management	3
DS 3520	Operations Management	3	Finance Electives ²		9
DS 3620	Management Science	3	BMGT 4930	Business Strategy	3
DS 3841	Management Info. Systems	3	MKT 3400	Principles of Marketing	3
ECON 3320, 3810, or 3820		3	Business Electives ²		3
ECON 3610	Business Statistics I	3	Non-Business Electives ²		10
FIN 3210	Principles of Managerial Finance	3			
LAW 3810	Legal Environment of Business	3			
Total			Total		34

+Course required by Motlow State and does not transfer to TTU.

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table
http://www.tntech.edu/transfer/equivalency_tables.htm.

²Elective 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 exemption 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.

SPECIAL EDUCATION COMPREHENSIVE (K-12 LICENSURE)

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
ART or MUS 1030				COM 1010	Fundamentals of Speech	0	3
	Art or Music Appreciation	3	0	ENGL 2230 or 2330			
BIOL 1030	Introduction to Biology	4	0		British or World Literature	3	0
EDU 1120	Teaching and Technology	0	3	ENGL 2130	American Literature	0	3
EDU 2110	Psychology of Human Development & Learning	3	0	HPE 2320	First Aid and Safety	0	3
ENGL 1010, 1020	English Composition I, II	3	3	HIST 2010, 2020	U.S. History I, II	3	3
GEOL 1030	Survey of Geology	0	4	PSCI 1030	Intro to Physical Science	0	4
MATH 1410	Number Concepts for Elem Ed	3	0	PSY 1310	General Psychology I	3	0
MATH 1420	Geometry for Elem Ed	0	3	SOC 2110	Intro to Sociology	3	0
PHED	Physical Education	1	1	Elective ¹		1	0
	Total	17	14	Total		13	16

TENNESSEE TECHNOLOGICAL UNIVERSITY
SPECIAL EDUCATION COMPREHENSIVE (K-12 LICENSURE) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Matt Smith, Department Chairperson

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

Junior Year				Senior Year			
SPED 2010	Introduction to Special Education	3		CFS 3600	Community & Prof. Partnership		2
CFS 2060	The Family System	2		FOED 3010	Integrating Instruc Technology		3
MUS 1074	Music to Meet Exceptional Ed Needs	1		SPED 3040	Evaluation and Assessment for Content Specific Areas for Children with Special Needs		3
SPED 3031	Physical Mgmt. & Support Services	3		SPED 4340	Sys. Instr. Persons w/Comp. Diff.		3
SPED 2040	SPED Procedures and Method	3		SPED 4200	Teaching Students with Autism Spectrum Disorders		3
SPED 2821	Pract: SPED Pro. and Method	1		SPED 4821	Pract: Systematic In.		2
EXPW 2130	Concepts of Comp. Health	3		SPED 4870	Student Teaching I		5
EXPW 4520	Special Physical Education	3		SPED 4880	Student Teaching II		5
SPED 3020	Char. Needs Persons/Comp. Diff.	3		SPED 4890	Seminar: Education & Society		2
SPED 3810	Pract: Assessment Proc in SPED	1					
SPED 3811	Pract: Applied Behavior Anal.	1					
SPED 4000	Communication Disorders	3					
SPED 4030	Applied Behavior Anal./Teachers	3					
SPED 4320	Assessment Procedures in Special Ed		3				
	Total		33	Total			28

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table
http://www.tntech.edu/transfer/equivalency_tables.htm.

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)

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ART or MUS 1030			COM 1010	Fundamentals of Speech	0 3
			ENGL 2230 or 2330	British or World Literature	3 0
BIOL 1030	3	0	ENGL 2130	American Literature	0 3
EDU 1120	4	0	HPE 2320	First Aid and Safety	3 0
EDU 2110	0	3	HIST 2010, 2020	U.S. History I, II	3 3
			PSCI 1030	Intro to Physical Science	0 4
ENGL 1010, 1020	3	3	PSY 1310	General Psychology I	3 0
GEOL 1030	0	4	SOC 2110	Intro to Sociology	3 0
MATH 1410	3	0	Elective ¹		0 1
MATH 1420	0	3			
PHED	1	1			
Total	17	14	Total	15	14

TENNESSEE TECHNOLOGICAL UNIVERSITY
SPECIAL EDUCATION MODIFIED (K-12 LICENSURE) - BACHELOR OF SCIENCE DEGREE

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

Junior Year		Senior Year	
SPED 2010	Introduction to Special Education	3	FOED 3010 Integrating Instruct Technology 3
CFS 2060, 3600	The Family System, Community & Prof. Partnerships	4	FOED 3810 Field Experience 1
MUS 1074	Music to Meet Exceptional Ed Needs	1	READ 3312 Literacy II 5
SPED 3031	Phys Mgt./Ortho/Spec. Health Imp.	3	SPED 4820 Prac: Tchg. Persons w/Mild-Mod. 2
SPED 2040	SPED Procedures and Methods	3	SPED 4130 Meth. for Tchg. Persons w/Mild-Mod. Disabilities 3
SPED 2821	Pract: SPED Proc. and Methods	1	SPED 4870 Student Teaching I 5
SPED 3030	Educ. of Persons w/Lrn. Dis.	3	SPED 4880 Student Teaching II 5
SPED 3040	Evaluation and Assessment for Content Specific Areas for Children with Special Needs	3	SPED 4890 Seminar: Education and Society 2
SPED 3811	Practicum in Applied Behavior Analysis	1	
SPED 4030	Applied Behavior Analysis for Teachers	3	
SPED 4000	Communication Disorders	3	
SPED 4320	Assess. of Per. w/Mild-Mod. Dis.	3	
SPED 3810	Pract: Assess of Per. w/Mild-Mod Dis.	1	
EXPW 2130	Concepts of Comp. Health	3	
Total		35	Total 26

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table http://www.ntech.edu/transfer/equivalency_tables.htm.

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.

MULTIDISCIPLINARY STUDIES (K-6 LICENSURE)

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE IN TEACHING

Freshman Year		F	SP	Sophomore Year		F	SP
POL 1110 or SOC 2110		3	0	ART or MUS 1030			
BIOL 1030	Introduction to Biology	4	0	Art or Music Appreciation		3	0
COM 1010	Fundamentals of Speech	0	3	EDU 2060	Exceptional Child Development	0	3
EDU 1120	Teaching and Technology	0	3	ENGL 2030	Experiencing Literature	3	0
EDU 2110	Psychology of Human Development & Learning	3	0	ENGL 2130, 2230 or 2330		0	3
ENGL 1010, 1020	English Composition I, II	3	3	HIST 2010, 2020	United States History I, II	3	3
GEOL 1030	Survey of Geology	0	4	GGY 2010	World Geography	0	3
MATH 1010	Mathematics for General Studies	3	0	MATH 1410	Number Concepts for Elem Ed	3	0
				MATH 1420	Geometry for Elem Ed	0	3
				PSCI 1030	Intro to Physical Science	4	0
	Total	16	13	Total		16	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Advisor: Dr. Matt Smith, Department Chairperson

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

Junior Year			Senior Year		
CUED 4850	Workshop in Education	3	ART 3200	Art Applications	2
ELED 3140	Teaching of Social Studies	2	CFS 3600	Family, Community & Prof. Partnerships	2
ELED 3150	Teaching of Mathematics	2	CUED 4150	Middle Level Curriculum	3
ELED 4140	Science for Elementary Teachers	2	ECSP 4100	Dev. Appropriate Practices: K-4	3
ESLP 4100	ESL Methodology and Materials for PreK-12	3	EDPY 3300	Evaluation and Guidance	3
EXPW 3510	PE Skills in Grades K-8	3	MUS 3530	Music Applications I	3
FOED 3800	Field Experience in Education	2	SPED 3000	Tch. Pers. w/Dis. Reg. Clsrn.	3
FOED 3810	Field Experience in Education	2	ELED 4870	Student Teaching I	5
FOED 3010	Integrating Instruct Technology	3	ELED 4880	Student Teaching II	5
READ 3311	Literacy I	7	ELED 4890	Seminar: Education and Society	2
	Total	29	Total		31

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

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.

MULTIDISCIPLINARY STUDIES (4-8 LICENSURE)

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
BIOL 1030	Introduction to Biology	4	0	ART or MUS 1030	Art or Music Appreciation	0	3
COM 1010	Fundamentals of Speech	0	3	ENGL 2130	American Literature	3	0
EDU 1120	Teaching and Technology	0	3	ENGL 2230 or 2330			
EDU 2110	Psychology of Human Development & Learning	3	0	GGY 1010	British or World Literature Cultural Geography or	0	3
ENGL 1010, 1020	English Composition I, II	3	3	GGY 2010	World Geography	0	3
GEOL 1030	Survey of Geology	0	4	HIST 2010, 2020	United States History I, II	3	3
PHED	Physical Education	1	1	MATH 1410	Number Concepts for Elem Ed	3	0
SOC 2110	Intro to Sociology	3	0	MATH 1420	Geometry for Elem Ed	0	3
				PSCI 1030	Intro to Physical Science	4	0
				ECON 2020, HIST 1110 or POL 1110 ¹		3	0
				Elective		0	1
	Total	14	14	Total		16	16

TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Advisor: Dr. Matt Smith, Chairperson

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

Junior Year			Senior Year		
CFS 3500	Development Middle Childhood/Adolescence	3	EDPY 3300	Evaluation and Guidance	3
CUED 4150	Middle Level Curriculum	3	ESLP 4100	ESL Methodology & Materials for PreK-12	3
ELED 3140	Teaching of Social Studies	2	HIST 3100	Tennessee Topics	3
ELED 3150	Teaching of Mathematics	2	SPED 3000	Tchg. Pers. w/Dis. Reg. Clsrm.	3
ELED 4140	Science for Elementary Teachers	2	ELED 4870	Student Teaching I	5
FOED 3800, 3810	Field Experience in Education	4	ELED 4880	Student Teaching II	5
FOED 3010	Integrating Instructional Technology	3	ELED 4890	Seminar: Education and Society	2
LSCI 4570	Books and Related Materials for Adolescents and Adults	3	POLS 1000, MATH 1130, HIST 1110 or ECON 2010		6
READ 3312	Literacy II	7			
POLS 1000, MATH 1130, HIST 1110 or ECON 2010		3			
	Total	32	Total		30

¹Select one course to complete. The remaining three courses will be completed at TTU.

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.

ENGLISH AS A SECOND LANGUAGE (PreK-12 LICENSURE)

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
ANT 2010	Introduction to Anthropology or			ART or MUS 1030			
SOC 2110	Introduction to Sociology	3	0	Art or Music Appreciation	0	3	
BIOL 1030	Introduction to Biology	4	0	ENGL 2130	American Literature	3	0
COM 1010	Fundamentals of Speech	0	3	ENGL 2230 or 2330			
EDU 1120	Teaching and Technology	0	3	British or World Literature	0	3	
EDU 2110	Psychology of Human			HIST 2010, 2020	United States History I, II	3	3
	Development & Learning	3	0	MATH 1410	Number Concepts for Elem Ed	3	0
ENGL 1010, 1020	English Composition I, II	3	3	MATH 1420	Geometry for Elem Ed	0	3
GEOL 1030	Survey of Geology	0	4	PSCI 1030	Intro to Physical Science	4	0
PHED	Physical Education	1	1	PSY 1310	General Psychology I	0	3
Elective ¹		1	0	Elective ¹		3	0
Total		15	14	Total		16	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

ENGLISH AS A SECOND LANGUAGE (PreK-12 LICENSURE) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Matt Smith, Department Chairperson

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

Junior Year			Senior Year		
FREN/GERM/SPAN 2010, 2020		6	ENGL 4531	Grammar and Language	3
FREN/GERM/SPAN 3510, 3520 or 3550		3	ESLP 4300	Field Experience in ESL	3
ESLP 4100	ESL Methodology & Materials		EDPY 3300	Evaluation and Guidance	3
	for PreK-12	3	FOED 3010	Integrating Instructional Technology	3
ESLP 4200	ESL Assessment: Reading and Writing	3	LING (ENGL) 4511		
FOED 3810	Field Experiences in Education	2	Intro to Descriptive Linguistics	3	
READ 3311	Literacy I	7	READ 3350	Teaching Reading in the Content Areas	3
SPED 3000	Teaching Persons with Disabilities	3	SPED 4000	Intro to Communication	
	in Regular Classroom			Disorder	3
			ELED 4870, 4880, 4890		
			Student Teaching	12	
Total		27	Total		33

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table
http://www.tntech.edu/transfer/equivalency_tables.htm.

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

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

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ART or MUS 1030			ECON 2020, GGY 1010, POL 1110, PSY 1310,		
Art or Music Appreciation	3	0	SOC 2110 or ANT 2010	3	3
BIOL 1110, 1120	4	4	COM 1010	3	0
General Biology I, II			Fundamentals of Speech		
EDU 1120	0	3	ENGL 2230 or 2330		
Teaching & Technology			British or World Literature	3	0
EDU 2110			ENGL 2130	0	3
Psychology of Human			American Literature		
Development & Learning	3	0	HPE 2320	0	3
English Composition I, II	3	3	First Aid and Safety		
ENGL 1010, 1020	3	0	HIST 2010, 2020	3	3
English Composition I, II			United States History I, II		
MATH 1710 or 1530	3	0	CHEM 1110, 1120	4	4
Calculus for Business	0	3	General Chemistry I, II		
MATH 1830					
Total	16	13	Total	16	16

TENNESSEE TECHNOLOGICAL UNIVERSITY

SECONDARY EDUCATION SCIENCE: BIOLOGY OPTION (7-12 LICENSURE) - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Matt Smith, Department Chairperson

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

Junior Year		Senior Year	
PHYS 2010	4	ASTR 1010 or 1020	4
Algebra-Based Physics I		CUED 4150	3
BIOL 3130	4	Middle Level Curriculum	
General Ecology		PHED	1
BIOL 2350	4	Physical Education	
Introductory Anatomy & Physiology		READ 3350	3
BIOL 3810	4	Teaching Reading in the Content	
General Genetics		SPED 3000	3
BIOL 3920	3	Teaching Persons w/Disabilities	
Biological Communication Skills		SEED 4870, 4880, 4890	
FOED 3820, 3830	2	Student Teaching	12
Field Experience in Education			
EDPY 3300	3		
Evaluation & Guidance			
FOED 3010	3		
Integrating Instructional Technology			
SEED 4123	3		
Material & Methods of Teaching the			
Sciences			
GEOL 1040	4		
The Dynamic Earth			
Total	34	Total	26

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

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ART 1030 Art Appreciation or			ECO 2020, GGY 1010, POL 1110, PSY 1310,		
MUS 1030 Music Appreciation	0	3	SOC 2110 or ANT 2010	3	3
EDU 1120 Teaching & Technology	3	0	COM 1010 Fundamentals of Speech	0	3
EDU 2110 Psychology of Human			ENGL 2230 or 2330		
	3	0	British or World Literature	3	0
ENGL 1010, 1020 English Composition I, II	3	3	ENGL 2130 American Literature	0	3
MATH 1910, 1920 Calculus I, II	4	4	HPE 2320 First Aid and Safety	3	0
PHED Physical Education	0	1	HIST 2010, 2020 United States History I, II	3	3
Science Sequence	4	4	MATH 2110, 2010 Calculus III,		
			Elements of Linear Algebra	4	3
Total	17	15	Total	16	15

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

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

Junior Year		Senior Year	
CSC 2001 Concepts in Computer Science	3	MATH 3070 Statistical Methods I	3
CUED 4150 Middle Level Curriculum	3	MATH 3430 College Geometry	3
CUED 4850 Workshop in Education	1	MATH 3510 Modern Algebra I	3
EDPY 3300 Evaluation & Guidance	3	MATH 4210 Numerical Analysis I	3
FOED 3010 Integrating Instructional Technology		READ 3350 Teaching Reading in Content Area	3
	3	SEED 4870 Student Teaching I	5
FOED 3830, 3820 Field Experiences in Education	2	SEED 4880 Student Teaching II	5
MATH 2120 Differential Equations	3	SEED 4890 Seminar: Education and Society	2
MATH 4360 or 4350	3		
MATH 3400 Intro to Concepts of Mathematics	3		
MATH 4610 History of Mathematics I	3		
SPED 3000 Persons w/Disabilities			
	3		
SEED 4122 Material & Methods of Teaching Math	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.

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

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
ART or MUS 1030				COM 1010	Fundamentals of Speech	3	0
	Art or Music Appreciation	0	3	ECO 2010	Prin. of Macroeconomics	0	3
EDU 1120	Teaching and Technology	0	3	ENGL 2230 or 2330			
EDU 2110	Psychology of Human Development & Learning	3	0		British or World Literature	3	0
ENGL 1010, 1020	English Composition I, II	3	3	ENGL 2130	American Literature	0	3
MATH 1010	Mathematics for General Studies	3	0	HPE 2320	First Aid and Safety	0	3
				HIST 2010, 2020	United States History I, II	3	3
PHED Activity		0	1	PSY 1310	General Psychology I	3	0
Science Sequence		4	4	POL 1110	American Government	0	3
GGY 1010	Cultural Geography	3	0	Electives ¹		3	0
	Total	16	14		Total	15	15

**TENNESSEE TECHNOLOGICAL UNIVERSITY
SECONDARY EDUCATION-SOCIAL STUDIES (7-12 LICENSURE) - BACHELOR OF SCIENCE DEGREE**

Advisor: Dr. Matt Smith, Department Chairperson

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

Junior Year			Senior Year	
HIST 3410	Intro of Historical Methods	3	HIST Upper Division Elective	3
HIST 1110 or 1120		3	HIST 4730, 4740, 4750, or 4760	3
CUED 4150	Middle Level Curriculum	3	ANTH 1100	Intro to Anthropology
FOED 3010	Integrating Instructional Technology into the Classroom	3	SPED 3000	Persons with Disabilities in the Regular Classroom
FOED 3830, 3820	Field Experiences in Education	2	SEED 4870	Student Teaching I
HIST 1010, 1020, 3100		9	SEED 4880	Student Teaching II
HIST Upper Division Elective		3	SEED 4890	Seminar: Education and Society
EDPY 3300	Evaluation & Guidance	3	Elective	1
SEED 4124	Materials & Methods of Teaching Social Studies	3		
READ 3350	Teaching Reading in Content Area	3		
	Total	35	Total	25

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table
http://www.tntech.edu/transfer/equivalency_tables.htm.

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.

CHILD AND FAMILY STUDIES
Early Childhood Education PreK-4
Early Childhood Special Education/PreK-1

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
ANT 2010 or SOC 2110		3	0	ECED 2010	Safe, Healthy Learning Environments	0	3
BIOL 1030	Introduction to Biology	4	0	ENGL 2230 or 2330	British or World Literature	3	0
COM 1010	Fundamentals of Speech	0	3	ENGL 2130	American Literature	0	3
EDU 1120	Teaching and Technology	3	0	HPE 2100	Principles of Elementary Nutrition	0	3
ENGL 1010, 1020	English Composition I, II	3	3	HPE 2320	First Aid and Safety	3	0
GEOL 1030	Survey of Geology	0	4	HIST 2010, 2020	U.S. History I, II	3	3
GGY 1010	Cultural Geography or			MATH 1410, 1420	Number Concepts, Geometry	3	3
GGY 2010	World Geography	0	3	PSCI 1030	Intro to Physical Science	4	0
ART or MUS 1030	Art or Music Appreciation	0	3				
	Total	14	17	Total		16	15

TENNESSEE TECHNOLOGICAL UNIVERSITY
EARLY CHILDHOOD EDUCATION (PREK-4 LICENSURE) - BACHELOR OF SCIENCE DEGREE

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

Junior Year			Senior Year		
CFS 1010	Life Span Development	3	CFS 3520	Parenting and Child Guidance	2
CFS 2060	The Family System	2	CFS 3600	Family Community & Prof. Partnerships	2
CFS 2400, 2410	Children with Special Needs; Practicum: Young Children with Special Needs	4	ECSP 4000	Developmentally Appropriate Practices: Birth-Preschool	3
FOED 3010	Integrating Technology	3	ECSP 4100	Developmentally Appropriate Practices: K-4	3
ECSP 3001	Curriculum for Infants, Toddlers & Preschoolers	3	MUS 1074	Music to Meet Except Ed Needs	1
ECSP 3200	Procedures for Infants, Toddlers & Preschoolers	3	ECSP 4300	Assessment of Young Children	3
ECSP 3211	Practicum: Procedures for Infants, Toddlers & Preschoolers	1	ECSP 4870	Student Teaching I	5
ECED 3300	Concepts for Young Children: Mathematics, Science & Social Studies	3	ECSP 4880	Student Teaching II	5
ECED 3310	Practicum: Concepts for Young Child	1	ECSP 4890	Seminar: Internship	2
FOED 3810	Field Experiences in Education	1	PHED	Physical Education	1
READ 3311	Literacy I	7			
	Total	32	Total		28

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table http://www.tntech.edu/transfer/equivalency_tables.htm.

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.

COLLEGE OF ENGINEERING

DEPARTMENT OF CHEMICAL ENGINEERING

CHEMICAL ENGINEERING

MOTLOW 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 I, II	4	4
COM 1010	Fundamentals of Speech	0	3	ENGL Literature		0	3
CST 2450	C+ Programming	0	3	MATH 2110	Calculus III	4	0
ENGL 1010, 1020	English Composition I, II	3	3	MATH 2120	Differential Equations	0	3
IMT 1010	Fundamentals of Drafting	3	0	PHYS 2110, 2120	Calculus-Based Physics I, II	4	4
MATH 1910, 1920				Humanities/Fine Arts Electives		3	3
	Calculus I, II	4	4	Social/Behavioral Science Electives		3	3
HIST 2010, 2020	U. S. History I, II ¹	3	3				
	Total	17	20	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 ²			Senior Year		
CHE 1010	Intro to Chemical Engineering	1	CHE 4131	Transfer Science III: Diffusion and Diffusive-Convective Mass Transfer	4
CHE 2011	Chemical & Biological Engineering Process Analysis	4	CHE 4210	Chemical Reaction Engineering	4
CHE 1510	Computer Apps in CHE	1	CHE 4240	Chemical Engineering Capstone Lab	1
CHE 3010	Thermodynamics of Chemical Processes	3	CHE 4540	Process Dynamics & Control	3
CHE 3021	Separations and Solution Thermodynamics	4	CHE 4410, 4420	Process Design I, II	6
CHE 3111	Transfer Science I: Conduction, Radiation, and Diffusion	4	ChE Technical Electives ⁴		6
CHE 3121	Transfer Science II: Fluid Mechanics	4	CHE 4910	Chemical Engineering Seminar	1
CHE 3730	CHE Operations	3	CHEM 3510, 3520	Physical Chemistry	8
Technical Elective ³		3			
CEE 2100, ECE 3810 or BIOL 3200		3			
	Total	30	Total		33

¹U.S. History I, II are not required for a bachelor of science degree in chemical engineering.

²Students must apply to the CHE Fast-Track MS program by the end of their second junior term.

³Three 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.

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

- ChE 4950 - MEMS
- ChE 4661 - Transport in Biochemical and Biological Processes
- ChE 4990 - Introduction to Research

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

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

CIVIL ENGINEERING

MOTLOW 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 Literature		0	3
COM 1010	Fundamentals of Speech	0	3	ERG 2520	Statics	3	0
CST 2450	C+ Programming	0	3	ERG 2530	Dynamics	0	3
ENGL 1010, 1020	English Composition I, II	3	3	MATH 2110	Calculus III	4	0
IMT 1010	Fundamentals of Drafting	3	0	MATH 2120	Differential Equations	0	3
MATH 1910, 1920	Calculus I, II	4	4	PHYS 2110	Calculus Based Physics I	4	0
HIST 2010, 2020	U. S. History I, II ¹	3	3	Humanities/Fine Arts Electives		3	3
				Social/Behavioral Science Electives		3	3
	Total	17	20	Total		17	15

TENNESSEE TECHNOLOGICAL UNIVERSITY

CIVIL ENGINEERING-BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Sharon Hoy, Interim Department Chairperson

Prescott Hall 216, Phone: (931) 372-3454

Recommend the advisor be contacted prior to transfer.

Junior Year			Senior Year		
GEOL 3210	Geology for Engineers	3	CEE 3040 or 3120		1
MATH Elective ²		2	CEE 4310	Structural Steel Design	3
CEE 3110	Mechanics of Materials	3	CEE 4320	Reinforced Concrete Design	3
CEE 3410, 3420	Water Supply, Hydraulics	7	CEE 4800	Geotechnical Engineering I	3
CEE 3320	Structural Mechanics	4	Approved CEE Electives ³		9
CEE 3020	Surveying	2	Approved CEE Sequence Electives ⁴		6
ME 3720	Fluid Mechanics	3	ISE 3110 (3100) ⁵		2
ISE 3210 (3200) ⁵	Engineering Statistics	2	CEE 4920	Professionalism & Ethics	1
CEE 3030	CE Materials	3	CEE 4940	Fundamentals of CE	0
CEE 3610	Transportation Engineering	3	CEE 4950	Senior Design Project	3
ECE 3810, ME 3210 or ChE 3010		3			
	Total	35	Total		31

¹U.S. History I, II are not required for a bachelor of science degree in civil engineering.²MATH 2010, 3810, 4510 or 4710.³Approved CEE electives are: CEE 3100, Any 4000-level CEE course with prior approval by advisor.⁴Approved CEE sequence courses are:

CEE 4130, 4160, 4190	Structural Mechanics
CEE 4130, 4340, 4350, 4360, 4380, 4700	Structural Engineering
CEE 4410, 4420, 4430, 4440	Environmental Engineering
CEE 4600, 4610, 4630, 4640, 4660	Transportation Engineering

⁵ISE Electives: Two-credit hour courses are shown (3110 & 3210); however students are encouraged to take the three-credit hour courses (3100 & 3200).***Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.***

COMPUTER ENGINEERING

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
ENGL 1010, 1020	English Composition I, II	3	3	ENGL Literature		3	0
MATH 1910, 1920				COM 1010	Fundamentals of Speech	0	3
	Calculus I, II	4	4	PHYS 2110, 2120	Calculus Based Physics I, II	4	4
CHEM 1110	General Chemistry I	4	0	MATH 2110	Calculus III	4	0
Humanities/Fine Arts Elective		0	3	MATH 2120	Differential Equations	0	3
Social/Behavioral Science Elective		0	3	Humanities/Fine Arts Elective		0	3
HIST 2010, 2020	U. S. History I, II ¹	3	3	Social/Behavioral Science Elective		3	0
	Total	14	16		Total	14	13

TENNESSEE TECHNOLOGICAL UNIVERSITY
COMPUTER ENGINEERING-BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Stephen Parke, Department Chairperson
Brown Hall 217, Phone: (931) 372-3397

Recommend the advisor be contacted prior to transfer.

Third Year			Fourth Year		
CSC 2100	Intro to Problem Solving and Computer Programming	3	CSC 2400	Design of Algorithms	3
CSC 2110	Data Structures and Algorithms	3	CSC 2500	Unix Lab	1
CSC 2111	Data Structures and Algorithms Lab	1	CSC 3402	Distributed & Net-Centric Prog	2
CSC 2120	Object-Oriented Programming and Design	3	ECE 3010	Signals & Systems	3
CSC 2121	Object-Oriented Programming and Design Lab	1	ECE 3300	Electronics I	3
CEE 2100	Fund. of Engineering Mechanics	3	ECE 3160	Digital Systems Lab	1
ECE 2000	Introduction to ECE	2	ECE 3910	Prob. & Random Variables in ECE	3
ECE 2010	Circuits & Networks I	3	ECE 3120	Computer Systems	3
ECE 2060	Measurements Lab	1	ISE 3920	Fund. of Engineering Design	3
ECE 2020	Circuits & Networks II	3		Total	22
ECE 2110	Intro to Digital Systems	3			
MATH elective ²		3			
	Total	29			

Fifth Year		
ECE 4110	Sequential Logic Design	3
ECE 4120	Fundamentals of Comp Design	3
ECE Lab elective ³		1
ECE 4910	Professional Issues in ECE	1
ECE 4960, 4970	Capstone Design I, II	4
ECE Elective ⁴		3
CSC 3700	Software Analysis & Design	3
Comp. Eng Elective ⁵		3
CSC 4100	Operating Systems	3
CSC elective ⁶		3
	Total	27

- ¹U.S. History I, II are not required for a bachelor of science degree in computer engineering.
- ²**MATH Elective:** One three-hour course must be taken from an approved list of Mathematics courses. An approved list will be maintained by the ECE Department.
- ³**ECE Lab Elective:** One one-hour lab course must be taken from 3000 level and 4000 level ECE lab courses. It may be taken during junior or senior year.
- ⁴**ECE Elective:** One three-hour course must be taken from a list of ECE courses. An approved list of such courses will be maintained by the ECE Department.
- ⁵**Computer Engineering Elective:** One three-hour course must be taken from a list of elective courses relevant to the Computer Engineering program. An approved list of such courses will be maintained by the ECE Department.
- ⁶**CSC Elective:** One three-hour course must be taken from an approved list of computer science courses. An approved list will be maintained by the ECE Department.

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

ELECTRICAL ENGINEERING

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year	F	SP	Sophomore Year	F	SP
ENGL 1010, 1020 English Composition I, II	3	3	ENGL Literature	3	0
MATH 1910, 1920			COM 1010 Fundamentals of Speech	0	3
Calculus I, II	4	4	PHYS 2110, 2120 Calculus Based Physics I, II	4	4
CHEM 1110 General Chemistry I	4	0	MATH 2120 Differential Equations	0	3
Humanities/Fine Arts Elective	0	3	MATH 2110 Calculus III	4	0
Social/Behavioral Science Elective	0	3	Humanities/Fine Arts Elective	0	3
HIST 2010, 2020 U.S. History I, II ¹	3	3	Social/Behavioral Science Elective	3	0
Total	14	16	Total	14	13

TENNESSEE TECHNOLOGICAL UNIVERSITY
ELECTRICAL ENGINEERING-BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Stephen Parke, Department Chairperson
Brown Hall 217, Phone: (931) 372-3397

Recommend the advisor be contacted prior to transfer.

Third Year	Fourth Year
ENGR 1020 Connections to Engineering and Tech 1	ECE 3010 Signals & Systems 3
CSC 2100 Intro to Problem Solving and Computer Programming 3	ECE 3300 Electronics I 3
ECE 2000 Introduction to ECE 2	ECE Lab Elective 1
ECE 2010 Circuits & Networks I 3	ECE 3910 Prob. & Random Variables in ECE 3
CEE 2100 Fund. of Engineering Mechanics 3	ECE Jr. Electives ³ 9
ECE 2060 Measurements Lab 1	Math Elective ⁴ 3
ECE 2020 Circuits & Networks II 3	ISE 3920 Fund. of Engineering Design 3
ECE 2110 Intro to Digital Systems 3	
ECE 3510 Electromagnetic Fields I 3	Total 25
ECE Jr. Electives ³ 3	
Engr. Fund. Elective ⁵ 3	
Total 28	
 Fifth Year	
ECE Senior Sequence ⁶ 6	
ECE Senior Elective 3	
ECE Lab Elective ² 2	
E/M/S/B Electives ⁷ 6	
ECE Jr. Electives ³ 3	
ECE 4960, 4970 Capstone Design I, II 4	
Total 24	

- ¹U.S. History I, II are not required for a bachelor of science degree in electrical engineering.
- ²**ECE Lab Electives:** Three one-hour courses must be taken from 3000 level and 4000 level ECE lab courses. They may be taken during junior and senior years.
- ³**ECE Junior Electives:** A minimum of five courses must be taken from the ECE Junior Electives List consisting of ECE 3020, ECE 3120, ECE 3210, ECE 3310, ECE 3320, ECE 3520, ECE 3540, ECE 3610, and ECE 3710. Only one of ECE 3310 and ECE 3320 may be used as a Junior Elective. Similarly only one of ECE 3520 and ECE 3540 may be counted as a Junior Elective.
- ⁴**MATH Elective:** One three-hour course must be taken from a departmentally approved list of Mathematics courses.
- ⁵**Engineering Fundamentals Elective:** One three-hour course from a departmentally approved list of Engineering Fundamentals courses.
- ⁶**ECE Senior Sequence Courses:** Two ECE 4000 level courses forming a sequence must be taken from a departmentally approved list.
- ⁷**Engineering/Math/Science/Business (E/M/S/B) Electives:** A student must take six hours of E/M/S/B electives from a list of non-ECE courses approved by the ECE Department.

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

INDUSTRIAL ENGINEERING

MOTLOW 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 Literature	3	0
COM 1010 Fundamentals of Speech	0	3	ERG 2520 Statics	3	0
ENGL 1010, 1020 English Composition I, II	3	3	MATH 2110 Calculus III	4	0
IMT 1010 Fundamentals of Drafting	3	0	MATH 2010 Elements of Linear Algebra	0	3
MATH 1910, 1920			PHYS 2110, 2120 Calculus Based Physics I, II	4	4
Calculus I, II	4	4	ECO 2010, 2020 Principles of Economics I, II	3	3
Humanities/Fine Arts Electives	3	3	HIST 2010, 2020 U.S. History I, II ¹	3	3
			CST 2450 C Programming	0	3
			ERG 2530 Dynamics	0	3
Total	17	17	Total	20	19

TENNESSEE TECHNOLOGICAL UNIVERSITY
 INDUSTRIAL ENGINEERING-BACHELOR OF SCIENCE DEGREE

Advisor: Dr. David Elizandro, Interim Department Chairperson

Prescott Hall 117, Phone: (931) 372-3465

Recommend the advisor be contacted prior to transfer.

Junior Year			Senior Year		
CEE 3110	Mechanics of Materials	3	ISE 4230	Quality Control	3
MATH 2120	Differential Equations	3	ECE 3810	Electrical Engineering I	3
ACCT 2110, 2120	Prin. of Financial, Managerial Acct.	6	ISE 4500	Materials Handling	3
ISE 2000	Introduction to IE	2	ISE 4510	Engineering Design Internship	3
ISE 3100	Engineering Economy	3	ISE 4600	Production Control	3
ISE 3200	Engineering Statistics	3	ME 3210	Thermodynamics I	3
ISE 3220	Design of Experiments	3	ISE Elective ²		3
ISE 3310	Process Improvement Techniques	3	ECE 3860	Fund. of EE Lab	1
ISE 3400	Operations Research	3	ISE 4000	Engineering Leadership & Project Mgmt.	3
ISE 3410	Simulation of Industrial Systems	3			
ISE 3800	Info Systems for IE	3			
ISE 3900	IE Seminar	1			
Total		36	Total		28

¹U.S. History I, II are not required for a bachelor of science degree in industrial engineering.

²Current list of approved ISE electives is available in the department

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

DEPARTMENT OF MANUFACTURING AND INDUSTRIAL TECHNOLOGY

INDUSTRIAL TECHNOLOGY

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

Freshman Year		F	SP	Sophomore Year		F	SP
CHEM 1110	General Chemistry I	4	0	ECO 2020	Principles of Economics II	0	3
COM 1010	Fundamentals of Speech	0	3	ENGL 2030	Experiencing Literature	3	0
CST 2450	C Programming	0	3	ENGL 2130, 2230 or 2330		0	3
ENGL 1010, 1020	English Composition I, II	3	3	HIST 2010, 2020	United States History I, II	3	3
IMT 1010	Fundamentals of Drafting	3	0	MATH 1910	Calculus I	0	4
MATH 1710	Precalculus I	3	0	PHYS 2010, 2020	Non-Calculus Based Physics I, II	4	4
MATH 1720	Precalculus II	0	3	Humanities/Fine Arts Elective		3	0
PSY 1310	General Psychology I	3	0	ECON 2010 or INFS 1150 (Business Elective) ¹		3	0
Total		16	15	Total		16	17

TENNESSEE TECHNOLOGICAL UNIVERSITY
INDUSTRIAL TECHNOLOGY - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Ahmed Elsayy, Department Chairperson
Lewis Hall 107, Phone: (931) 372-3263

Recommend the advisor be contacted prior to transfer.

Junior Year			Senior Year		
MIT 1110	Materials of Industry	3	ACCT 3720	Accounting for Non-Business Majors	3
MIT 2000	Occupational Safety	2	DS 3520	Operations Management	3
MIT 2010	Metal Casting	2	MIT 3710	Methods Design	2
MIT 2060	Metal Manufacturing Technology	2	MIT 3730	Quality Assurance	2
BMGT 3510	Management & Organization Behavior	3	MIT 4200	Industrial Electronics	3
ECON 3610	Business Statistics I	3	MIT 4310	Plant Layout & Materials Handling	3
ME 3110	Physical Metallurgy	3	MIT 4610	IT Seminar	1
MIT 3060	CNC Machining Practices	3	MIT 4620	Industrial Projects	3
MIT 3130	Maintenance Technology I	3	Technical Electives ²		6
MIT 3200	Applied Electricity & Electronics	3			
MIT 3301	CAD for Technology	2			
MIT 3401	Machine Elements for Technology	2			
MIT 3460	Welding Technology	2			
MIT 3700	Manufacturing Cost Estimating	2			
Total		35	Total		26

¹Business Electives: BMGT 3630, BMGT 4520, DS 2810, DS 3620, DS 3540, ECON 2020, FIN 3210, LAW 3810 or MKT 3400.

²Technical Electives: MIT 3010, 3080, 3560, 4010, 4060, 4070, 4140, 4210, 4300, 4400, 4430, 4450, 4500, 4990, and ME 4430

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

DEPARTMENT OF MECHANICAL ENGINEERING

MECHANICAL ENGINEERING

MOTLOW 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 2030 Experiencing Literature	3	0
COM 1010 Fundamentals of Speech	0	3	ENGL 2130, 2230 or 2330	0	3
CST 2450 C Programming	0	3	ERG 2520 Statics	3	0
ENGL 1010, 1020 English Composition I, II	3	3	ERG 2530 Dynamics	0	3
IMT 1010 Fundamentals of Drafting	3	0	MATH 2110 Calculus III	4	0
MATH 1910, 1920 Calculus I, II	4	4	MATH 2120 Differential Equations	0	3
Social/Behavioral Science Elective	3	0	PHYS 2110 Calculus Based Physics I	4	0
			Humanities/Fine Arts Elective	0	3
			HIST 2010, 2020 U. S. History I, II ¹	3	3
			Social/Behavioral Science Elective	0	3
Total	17	17	Total	17	18

TENNESSEE TECHNOLOGICAL UNIVERSITY
 MECHANICAL ENGINEERING - BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Darrell Hoy, Department Chairperson

Brown Hall 224, Phone: (931) 372-3254

Recommend the advisor be contacted prior to transfer.

Junior Year	Senior Year	
ME 2000 Intro to ME & Computing	3 ME 3710 Heat Transfer	3
CEE 3110 Mechanics of Materials	3 ME 3720 Fluid Mechanics	3
ECE 3810 Electrical Engineering I	3 ISE 3110 Principles of Engineering Economy	2
ECE 3860 Fundamentals of ECE Lab	1 ME 4020 Applied Machine Design	3
ME 3022 Measurements in Mech. Systems	1 ME 4444 Senior Design Project	4
ME 3032 Measurements in Mech. Systems Lab	1 ME 4720 Thermal Design	3
ME 3210, 3220 Thermodynamics I, II	6 ME 4751 Energy Systems Lab	2
ME 3610 Dynamics of Machinery	3 ME Area of Concentration ¹	12
ME 4010 Machine Design		
ME 3010 Materials & Processes in Mfg.		
MATH 4510 Mathematics for Engineering		
ME 3050 Dynamic Modeling & Controls		
ME 3060 Dynamic Modeling & Controls Lab		
ME 3910 ME Seminar		
Total	35	Total 32

¹U.S. History I, II are not required for a bachelor of science degree in industrial engineering.

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

2008-2009

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, a book allowance. All students enrolled in the ROTC Advance Course and all scholarship students receive a monthly subsistence allowance during the school year. Students are also paid for the period of their attendance at the Leader's Training Course (LTC) and the Leader Development Assessment Course (LDAC).

COMMISSIONING REQUIREMENTS

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

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Secondary Education (7-12): Social Studies: History	24
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