

TRANSFER AGREEMENT

2016-17

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.

Admission 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. Apply online at www.tntech.edu/transfer. Application priority deadlines for desired terms: [Fall = Aug. 1, Spring = Dec. 1, Summer = May 1]
2. Pay the \$25 application fee (if you've never paid it before). You can pay at the end of the application or online at www.tntech.edu/payapplicationfee.
3. Request ALL official transcripts be sent to TTU Admissions as soon as possible (including terms in progress). Make sure that you have final grades sent once they are posted. Please send to the mailing address listed below.
4. The grade point average (GPA) used for Admissions purposes will include grades earned at all previous institutions.
5. Students who have NOT earned 24 hours of transferable work should also submit a high school transcript or GED scores (along with ACT and/or SAT scores). Students who have not successfully completed college-level Math or English courses must follow COMPASS testing guidelines.
6. Applicants will be notified of their admissions status after all credentials have been received and evaluated. Tentative admission may be granted on the basis of partial transcripts if the quality of work is clearly acceptable. Final admission is granted only after all of-

official transcripts and credentials are received. Admission decisions will be mailed to the address provided by the student. You may also check your application status by logging back into your application.

7. Only the credit, and not the grade, will transfer for academic and graduation purposes. Check out tntech.edu/transfer for your next steps (setting up student email, applying for housing, proper health forms, advisement, orientation, etc.)
8. All non-commuting, single freshmen must live in university housing. Please visit www.tntech.edu/reslife (or call 931-372-3414) for more information.

Mailing Address:
TTU Admissions Office
P.O. Box 5006
Cookeville, TN 38505

Physical Address:
Admissions Office
Derryberry Hall (Room 209)
1 William L. Jones Dr.
Cookeville, TN 38505

Contact Information:
Phone: (931) 372-3888
Toll Free: (800) 255-8881
admissions@tntech.edu
M-F 8:00am-4:30pm (CT)

To schedule a date to visit TTU, please sign up at www.tntech.edu/visit.

Expenses

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

Scholarship Information

Scholarship opportunities are available for transfer students. For scholarship information, check the scholarship 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 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, Craft, and Design
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 Environmental Studies
School of Interdisciplinary Studies
School of Professional Studies

Whitson-Hester School of Nursing

Questions? 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 |
| Student Success Center, | T.J. Farr 202 | 372-6036 |
| Engineering | Dean's Office, Clement Hall 201 | 372-3172 |
| College of Interdisciplinary Studies | Dean's Office, Southwest Hall 146 | 372-3394 |
| School of Nursing | Academic Advisors, Nursing & Health Services | 372-3229 |
| Counseling | Counseling Center, University Center 307 | 372-3331 |
| Financial Aid | Financial Aid Office, University Center 214 | 372-3073 |
| Fraternities | Student Organizations Office, University Center 234 | 372-3236 |
| Housing | Office of Residential Life, MS Cooper 217 | 372-3414 |
| Religious Opportunity | Student Organizations Office, University Center 234 | 372-3236 |
| Student Government | Student Organizations Office, University Center 234 | 372-3236 |
| Student Organizations | Student Organizations Office, University Center 234 | 372-3236 |
| Office of Teacher Education | College of Education, T.J. Farr 103 | 372-3170 |
| Veteran Certification | Registrar, Derryberry Hall 102 | 372-3317 |

8/2/16

HUMAN ECOLOGY

Food, Nutrition & Dietetics Concentration
Food Systems Administration Option

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 | ACCT 1010 | Principles of Accounting I | 3 | 0 |
| ENGL 1010, 1020 | English Composition I, II | 3 | 3 | ECON 2020 | Microeconomics | 3 | 3 |
| Humanities/Fine Arts Electives | | 3 | 3 | SPCH 1010 | Fundamentals of Speech | 0 | 3 |
| MATH 1530 | Elementary Statistics | 3 | 0 | ENGL Literature | | 0 | 3 |
| PSYC 1030 | Introduction to Psychology | 3 | 0 | HIST 2010, 2020 | Survey of American | | |
| SOCI 1010 | Introduction to Sociology | 0 | 3 | History I, II | | 3 | 3 |
| Electives | | 0 | 3 | Electives | | 3 | 0 |
| Total | | 16 | 16 | Total | | 12 | 13 |

TENNESSEE TECHNOLOGICAL UNIVERSITY

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

Director: Dr. Melinda Anderson; School of Human Ecology

Phone: (931) 372-3157

| Junior Year | | | Senior Year | | |
|------------------|-----------------------------------|----|------------------|----------------------------------|----|
| BIOL 3230 | Health Science Microbiology | 4 | BIOL 1010 | Introduction to Biology | 4 |
| HEC 1005 | Introduction to Human Ecology | 1 | BMGT 3510 | Management & Organization | |
| HEC 1010 | Life Span Development | 3 | | Behavior | 3 |
| HEC 1020 | Social and Professional Etiquette | 1 | BMGT 3630 | Human Resource Management | 3 |
| HEC 2020 | Nutrition | 3 | HEC 3290 | Nutrition through the Life Cycle | 3 |
| HEC 2031 or 2041 | | 3 | HEC 4005 | Senior Seminar in Human Ecology | |
| HEC 2065 | Families in Society | 3 | 2HEC 4242 | Food Systems Administration | 3 |
| HEC 2240 | Food Preparation & Management | 4 | HEC 4940 | Nutrition, Fitness and Wellness | 2 |
| HEC 3011 | Consumer Economics | 3 | HEC 4254 or 4995 | | 6 |
| HEC 3240 | Quantity Food Production | 4 | MATH 1130 | College Algebra | 3 |
| HEC 3270 | Nutrition in Disease | 3 | MKT 3310 or 3400 | | 3 |
| UNIV 1020 | First-Year Connections | 1 | | | |
| Elective | (3 Upper-Division) | 3 | | | |
| Total | | 36 | Total | | 32 |

¹Elective courses must be selected from Motlow State/TTU Transfer Equivalency table www.tntech.edu/admissions/transfer/apply/credits/

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

Merchandising and Design 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 | ECON 2010, 2020 | Macroeconomics, | | |
| ENGL 1010, 1020 | English Composition I, II | 3 | 3 | | Microeconomics | 3 | 3 |
| | Humanities/Fine Arts Electives | 3 | 3 | SPCH 1010 | Fundamentals of Speech | 0 | 3 |
| MATH 1010 | Mathematics for General Studies | 3 | 0 | ENGL Literature | | 0 | 3 |
| PSYC 1030 | Introduction to Psychology | 3 | 0 | HIST 2010, 2020 | Survey of American History I, II | 3 | 3 |
| SOCI 1010 | Introduction to Sociology | 0 | 3 | MATH 1530 | Elementary Statistics | 3 | 0 |
| | | | | | Elective | 0 | 1 |
| Total | | 16 | 13 | Total | | 9 | 13 |

TENNESSEE TECHNOLOGICAL UNIVERSITY

HUMAN ECOLOGY (Merchandising and Design Concentration) - BACHELOR OF SCIENCE DEGREE

Director: Dr. Melinda Anderson; School of Human Ecology

Phone: (931) 372-3157

| Junior Year | | | Senior Year | | |
|-------------|-------------------------------------|----|----------------------------------|-------------------------------------|----|
| HEC 1005 | Introduction to Human Ecology | 1 | ACCT 3720 | Survey of Accounting | 3 |
| HEC 1300 | Clothing Construction | 3 | HEC 2300, 3300, 4300 or 4301 | | 6 |
| HEC 2031 | Aspects of Dress | 3 | HEC 3305 | Fashion Forecasting | 2 |
| HEC 2065 | Families in Society | 3 | HEC 4005 | Seminar in Human Ecology | 2 |
| HEC 2311 | Practicum: Merchandising & Design | 1 | HEC 4320 | Merchandise Promotion & Advertising | 3 |
| HEC 2320 | Analysis of Apparel and Furnishings | 3 | HEC 4360 | Merchandising II | 3 |
| HEC 3011 | Consumer Economics | 3 | HEC 4990 | Internship | 6 |
| HEC 3310 | Textiles I | 3 | HEC Elective | | 3 |
| HEC 3320 | Textiles II | 3 | Upper Division Business Elective | | 3 |
| HEC 3350 | Merchandising I | 3 | | | |
| HEC 4340 | History of Dress | 3 | | | |
| HEC Core | | 6 | | | |
| MKT 3400 | Principles of Marketing | 3 | | | |
| UNIV 1020 | First-Year Connections | 1 | | | |
| | Total | 39 | | Total | 31 |

¹Elective courses must be selected from Motlow State/TTU Transfer Equivalency table www.tntech.edu/admissions/transfer/apply/credits/

HEC Core

| | | |
|------------------|------------------------------------|-----|
| HEC 1010 | Life Span Development | 3 |
| HEC 1020 | Social Intelligence | 1 |
| HEC 1030 or 2020 | | 2-3 |
| 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

8/2/16

COLLEGE OF BUSINESS

BUSINESS MANAGEMENT - BUSINESS AND INFORMATION TECHNOLOGY

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

| Freshman Year | F | SP | Sophomore Year | F | SP |
|---|-----------|-----------|---|-----------|-----------|
| SPCH 1010 Fundamentals of Speech | 3 | 0 | ACCT 1010, 1020 Principles of Accounting I, II | 3 | 3 |
| INFS 1010 Intro to Microcomputer | 0 | 3 | ECON 2010, 2020 Macroeconomics, Microeconomics | 3 | 3 |
| ENGL 1010, 1020 English Composition I, II | 3 | 3 | ENGL Literature | 0 | 3 |
| MATH 1530 Probability and Statistics | 3 | 0 | HIST 2010, 2020 Survey of American History I, II | 3 | 3 |
| MATH 1830 Calculus for Business App. | 0 | 3 | Humanities/Fine Arts Elective | 3 | 0 |
| Science | 4 | 4 | Electives ¹ | 3 | 3 |
| Humanities/Fine Arts Elective | 3 | 0 | | | |
| Elective ¹ | 0 | 1 | | | |
| Total | 16 | 14 | Total | 15 | 15 |

TENNESSEE TECHNOLOGICAL UNIVERSITY
BUSINESS MANAGEMENT (MANAGEMENT INFORMATION SYSTEMS OPTION)-
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 & Organization Behavior | 3 | | BMGT 4930 Business Strategy | | 3 |
| DS 3620 Business Analytics: Data Driven Decision Making | 3 | | DS 3520 Operation Management | | 3 |
| DS 3841 Management Information Systems | 3 | | DS 3870 Business App Development II | | 3 |
| DS 3850 Business Apps Development | 3 | | DS 4250 Business Data Communications | | 3 |
| DS 3860 Business Database Mgmt. | 3 | | DS 4330 Management Systems Analysis and Design | | 3 |
| ECON 3610 Business Statistics I | 3 | | DS 4550 Info 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 ² | | 3 |
| Electives ² | 3 | | Electives ² | | 3 |
| Total | 30 | | Total | | 30 |

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table
www.tntech.edu/admissions/transfer/apply/credits/

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 - GENERAL MANAGEMENT

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

| Freshman Year | F | SP | Sophomore Year | F | SP |
|---|----|----|---|----|----|
| SPCH 1010 Fundamentals of Speech | 3 | 0 | ACCT 1010, 1020 Principles of Accounting I, II | 3 | 3 |
| INFS 1010 Computer Applications | 0 | 3 | ECON 2010, 2020 Macroeconomics, Microeconomics | 3 | 3 |
| ENGL 1010, 1020 English Composition I, II | 3 | 3 | ENGL Literature | 3 | 0 |
| MATH 1530 Probability and Statistics | 3 | 0 | HIST 2010, 2020 Survey of American History I, II | 3 | 3 |
| MATH 1830 Calculus for Business App. Science | 0 | 3 | Humanities/Fine Arts Elective | 0 | 3 |
| Humanities/Fine Arts Elective | 3 | 0 | Electives ¹ | 3 | 3 |
| Elective ¹ | 0 | 1 | | | |
| Total | 16 | 14 | Total | 15 | 15 |

TENNESSEE TECHNOLOGICAL UNIVERSITY BUSINESS MANAGEMENT (GENERAL MANAGEMENT OPTION) - 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 & Organization Behavior | 3 | | BMGT 3720 Business Communication I | | 3 |
| BMGT 3600 International Management | 3 | | BMGT 4520 Organizational Leadership | | 3 |
| BMGT 3630 Human Resource Management | 3 | | BMGT 4930 Business Strategy | | 3 |
| DS 3620 Business Analytics: Data Driven Decision Making | 3 | | BMGT Electives ² | | 6 |
| DS 3841 Management Information 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 | | LAW 3810 Business Legal Environment & Ethics | | 3 |
| MKT 3400 Principles of Marketing | 3 | | Electives ² | | 6 |
| Business Electives ² | 3 | | | | |
| DS Elective | 3 | | | | |
| Total | 30 | | Total | | 30 |

¹Non-business electives must be selected from the Motlow/TTU Transfer Equivalency table
www.tntech.edu/admissions/transfer/apply/credits/

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.

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BUSINESS MANAGEMENT - HUMAN RESOURCE MANAGEMENT

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

| Freshman Year | | F | SP | Sophomore Year | | F | SP |
|-------------------------------|----------------------------|----|----|-------------------------------|----------------------------------|----|----|
| SPCH 1010 | Fundamentals of Speech | 3 | 0 | ACCT 1010, 1020 | Principles of Accounting I, II | 3 | 3 |
| INFS 1010 | Intro to Microcomputer | 0 | 3 | ECON 2010, 2020 | Macroeconomics, Microeconomics | 3 | 3 |
| ENGL 1010, 1020 | English Composition I, II | 3 | 3 | ENGL Literature | | 0 | 3 |
| MATH 1530 | Probability and Statistics | 3 | 0 | HIST 2010, 2020 | Survey of American History I, II | 3 | 3 |
| MATH 1830 | Calculus for Business App. | 0 | 3 | Humanities/Fine Arts Elective | | 3 | 0 |
| Science | | 4 | 4 | Electives ¹ | | 3 | 3 |
| Humanities/Fine Arts Elective | | 3 | 0 | | | | |
| Elective ¹ | | 0 | 1 | | | | |
| Total | | 16 | 14 | Total | | 15 | 15 |

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

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

| Junior Year | | | Senior Year | | |
|----------------|---|----|---------------------------------|-----------------------------|----|
| BMGT 3510 | Management & Organization Behavior | 3 | BMGT 4100 | Staffing | 3 |
| BMGT 3630 | Human Resource Management | 3 | BMGT 4120 | Compensation Administration | 3 |
| DS 3620 | Business Analytics: Data Driven Decision Making | 3 | BMGT 4150 | Employment and Labor Laws | 3 |
| DS 3841 | Management Information Systems | 3 | BMGT 4610 | Training and Development | 3 |
| ECON 3610 | Business Statistics I | 3 | BMGT 4930 | Business Strategy | 3 |
| FIN 3210 | Principles of Managerial Finance | 3 | DS 3520 | Operations Management | 3 |
| LAW 3810 | Business Legal Environment & Ethics | 3 | ECON 3320, 3810 or 3820 | | 3 |
| MKT 3400 | Principles of Marketing | 3 | Business Electives ² | | 3 |
| BMGT Electives | | 6 | Electives ² | | 6 |
| Total | | 30 | Total | | 30 |

¹Non-business electives must be selected from Motlow State/TTU Transfer Equivalency table
www.tntech.edu/admissions/transfer/apply/credits/

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

BUSINESS MANAGEMENT - PRODUCTION/OPERATIONS MANAGEMENT

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

| Freshman Year | | F | SP | Sophomore Year | | F | SP |
|-----------------|---------------------------------------|----|----|-------------------------------|---------------------------------------|----|----|
| SPCH 1010 | Fundamentals of Speech | 3 | 0 | ACCT 1010, 1020 | Principles of Accounting I, II | 3 | 3 |
| INFS 1010 | Intro to Microcomputer | 0 | 3 | ECON 2010, 2020 | Macroeconomics, Microeconomics | 3 | 3 |
| ENGL 1010, 1020 | English Composition I, II | 3 | 3 | ENGL Literature | | 0 | 3 |
| MATH 1530 | Probability and Statistics | 3 | 0 | HIST 2010, 2020 | Survey of American History I, II, III | 3 | 3 |
| MATH 1830 | Calculus for Business App. Science | 0 | 3 | Humanities/Fine Arts Elective | | 3 | 0 |
| | Humanities/Fine Arts Elective | 4 | 4 | Electives ¹ | | 3 | 4 |
| | | 3 | 0 | | | | |
| | Total | 16 | 13 | Total | | 15 | 16 |

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

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

| Junior Year | | | Senior Year | | |
|-------------|--|----|-----------------------------------|-------------------------------------|----|
| ACCT 3210 | Cost Accounting | 3 | BMGT 4410 | Conflict Management & Negotiation | 3 |
| BMGT 3510 | 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 | Business Legal Environment & Ethics | 3 |
| DS 3540 | Quality & Productivity Systems | 3 | Business Electives ² | | 6 |
| DS 3620 | Business Analytics: Data Driven Decision Making | 3 | DS or BMGT Electives ² | | 6 |
| DS 3841 | Management Information Systems | 3 | MET Electives ² | | 6 |
| ECON 3610 | Business Statistics I | 3 | | | |
| FIN 3210 | Principles of Managerial Finance | 3 | | | |
| MKT 3400 | Principles of Marketing | 3 | | | |
| | Total | 30 | Total | | 30 |

¹Elective courses must be selected from Motlow State/TTU Transfer Equivalency table
www.tntech.edu/admissions/transfer/apply/credits/

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.

8/2/16

FINANCE

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

| Freshman Year | F | SP | Sophomore Year | F | SP |
|---|----|----|---|----|----|
| SPCH 1010 Fundamentals of Speech | 3 | 0 | ACCT 1010, 1020 Principles of Accounting I, II | 3 | 3 |
| INFS 1010 Intro to Microcomputer | 0 | 3 | ECON 2010, 2020 Macroeconomics, Microeconomics | 3 | 3 |
| ENGL 1010, 1020 English Composition I, II | 3 | 3 | ENGL Literature | 0 | 3 |
| MATH 1530 Probability and Statistics | 3 | 0 | HIST 2010, 2020 Survey of American History I, II | 3 | 3 |
| MATH 1830 Calculus for Business App. Science | 0 | 3 | Humanities/Fine Arts Elective | 3 | 0 |
| Humanities/Fine Arts Elective | 3 | 0 | Electives ¹ | 3 | 3 |
| Elective ¹ | 0 | 1 | | | |
| 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 | | 3 | Senior Year | | 3 |
|--|--|----|---|--|----|
| BMGT 3510 Management & Organization Behavior | | 3 | FIN 4230 Advanced 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 Fin. Management | | 3 |
| DS 3841 Management Information Systems | | 3 | Finance Electives ² | | 9 |
| ECON 3320, 3810, or 3820 | | 3 | BMGT 4930 Business Strategy | | 3 |
| ECON 3610 Business Statistics I | | 3 | MKT 3400 Principles of Marketing | | 3 |
| FIN 3210 Principles of Managerial Finance | | 3 | Business Electives ² | | 3 |
| FIN 3220 Intermediate Financial Management | | 3 | Electives ² | | 6 |
| FIN 3830 Fundamentals of Investment | | 3 | | | |
| LAW 3810 Business Legal Environment & Ethics | | 3 | | | |
| Total | | 30 | Total | | 30 |

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table
www.tntech.edu/admissions/transfer/apply/credits/

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

MARKETING

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

| Freshman Year | | F | SP | Sophomore Year | | F | SP |
|-----------------|--|----|----|--|-------------------------------------|----|----|
| SPCH 1010 | Fundamentals of Speech | 3 | 0 | ACCT 1010, 1020 | Principles of Accounting I, II | 3 | 3 |
| INFS 1010 | Intro to Microcomputer | 0 | 3 | ECON 2010, 2020 | Macroeconomics, Microeconomics | 3 | 3 |
| ENGL 1010, 1020 | English Composition I, II | 3 | 3 | ENGL Literature | | 0 | 3 |
| MATH 1530 | Probability and Statistics | 3 | 0 | HIST 2010, 2020 | Survey of American History I, II | 3 | 3 |
| MATH 1830 | Calculus for Business App. Science | 0 | 3 | Humanities/Fine Arts Elective ² | | 3 | 0 |
| | Humanities/Fine Arts Elective ² | 3 | 0 | Electives ¹ | | 3 | 3 |
| | Elective ¹ | 0 | 1 | | | | |
| | Total | 16 | 14 | Total | | 15 | 15 |

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

| Junior Year | | | Senior Year | | |
|-------------------------|--|----|-------------|-------------------------------------|----|
| MKT 3400 | Principles of Marketing | 3 | MKT 4620 | Marketing Research | 3 |
| | Marketing Elective ² | 3 | MKT 4730 | Marketing Strategy | 3 |
| BMGT 3510 | Management and Organization Behavior | 3 | | Marketing Electives ² | 12 |
| DS 3520 | Operations Management | 3 | BMGT 4930 | Business Strategy | 3 |
| DS 3620 | Business Analytics: Data Driven Decision Making | 3 | LAW 3810 | Business Legal Environment & Ethics | 3 |
| DS 3841 | Management Information Systems | 3 | | Business Elective ² | 3 |
| ECON 3320, 3810 or 3820 | | 3 | | Electives ² | 3 |
| ECON 3610 | Business Statistics I | 3 | | | |
| FIN 3210 | Principles of Managerial Finance | 3 | | | |
| | Elective ² | 3 | | | |
| | Total | 30 | Total | | 30 |

¹Elective courses are to be selected from Motlow State/TTU Transfer Equivalency table
www.tnitech.edu/admissions/transfer/apply/credits/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.**

8/2/16

COLLEGE OF EDUCATION

Admission to the Teacher Education Program for Undergraduate Students

The undergraduate admission process applies to students pursuing a bachelor's degree and transfer students that received the AS (Associate of Science) or AAS (Associate of Applied Science) Degree from a community college. Students fitting this category receive full admission to the Teacher Education Program upon meeting the following requirements at the link below:

<https://www.tnitech.edu/education/teachered/admission-to-tep/undergraduate-requirements-for-admission-to-the-teacher-education-program>

All requirements for admission to the Teacher Education Program must be completed by the designated deadline. Students will not be allowed to enroll in any upper division professional education courses without obtaining full admission to the program. A detailed list of requirements, deadlines, and links to all required forms can be found at the above link. Forms cannot be submitted online without a 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 here: <https://www.tnitech.edu/education/teachered/field-and-clinical-practice/>

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

Students who completed the AST (Associate of 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 requirements listed at the link below:

<https://www.tnitech.edu/education/teachered/admission-to-tep/ast-degree-requirements-for-admission-to-the-teacher-education-program>

All requirements for admission to the Teacher Education Program must be completed by the designated deadline. Students will not be allowed to enroll in any upper division professional education courses without obtaining full admission to the program. A detailed list of requirements, deadlines, and links to all required forms can be found at the above link. Forms cannot be submitted online without a 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 here: <https://www.tnitech.edu/education/teachered/field-and-clinical-practice/>

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

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

MULTIDISCIPLINARY STUDIES (K-5 LICENSURE)

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE IN TEACHING

| Freshman Year | F | SP | Sophomore Year | F | SP |
|---|----|----|--|----|----|
| POLS 1030 or SOCI 1010 | 3 | 0 | ARTA or MUSA 1030 | | |
| BIOL 1030 Introduction to Biology | 4 | 0 | Art or Music Appreciation | 3 | 0 |
| SPCH 1010 Fundamentals of Speech | 0 | 3 | EDU 2100 Exceptional Child | | |
| EDU 1120 Teaching and Technology | 0 | 3 | Development | 0 | 3 |
| EDU 2110 Psychology of Human | | | ENGL 2130 Survey of American | | |
| Development & Learning | 3 | 0 | Literature | 0 | 3 |
| ENGL 1010, 1020 English Composition I, II | 3 | 3 | ENGL 2230, 2310, 2320, 2330 | 3 | 0 |
| GEOL 1030 or BIOL 1330 | 0 | 4 | HIST 2010, 2020 Survey of American History I, II | 3 | 3 |
| MATH 1010 Mathematics for General | | | GEOG 2010 World Regional Geography | 0 | 3 |
| Studies | 3 | 0 | MATH 1410 Number Concepts for Elem Ed | 3 | 0 |
| | | | MATH 1420 Geometry for Elem Ed | 0 | 3 |
| | | | PSCI 1030 Survey of Physical Science | 4 | 0 |
| Total | 16 | 13 | Total | 16 | 15 |

TENNESSEE TECHNOLOGICAL UNIVERSITY
 MULTIDISCIPLINARY STUDIES: ELEMENTARY EDUCATION (K-5 LICENSURE) -
 BACHELOR OF SCIENCE DEGREE

Advisor: College of Education Student Success Center
 T.J. Farr 202, Phone: (931) 372-6036

| Junior Year | | Senior Year | |
|--|----|-----------------------------------|----|
| ARED 3200 Art Applications | 1 | CUED 4800 Student Engagement | 3 |
| CUED 4700 Educational Data and Assessment | 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 II | 2 |
| ELED 4142 Teaching of Science | 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 3540 Music in Applications | 1 | | |
| READ 3311 Literacy I | 7 | | |
| SPED 3000 Teaching Persons with Disabilities | | | |
| in the Regular Classroom | 3 | | |
| Total | 35 | Total | 25 |

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

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.

8/2/16

ENGLISH AS A SECOND LANGUAGE (PreK-12 LICENSURE)

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

| Freshman Year | F | SP | Sophomore Year | F | SP |
|---|-----------|-----------|---|-----------|-----------|
| SPCH 1010 Fundamentals of Speech | 0 | 3 | Humanities/Fine Arts Elective | 3 | 0 |
| EDU 1120 Teaching and Technology | 0 | 3 | ENGL 2130 American Literature | 3 | 0 |
| EDU 2110 Psychology of Human Development & Learning | 3 | 0 | ENGL 2230, 2310 or 2320 British or World Literature | 0 | 3 |
| ENGL 1010, 1020 English Composition I, II | 3 | 3 | FREN/SPAN 2010, 2020 | 3 | 3 |
| Social/Behavioral Science Elective | 3 | 0 | HIST 2010, 2020 Survey of American History I, II | 3 | 3 |
| Natural Science | 4 | 4 | MATH 1410 Number Concepts for Elem Ed | 3 | 0 |
| MATH Elective ¹ | 3 | 0 | MATH 1420 Geometry for Elem Ed | 0 | 3 |
| Elective ¹ | 0 | 1 | Social/Behavioral Science Elective | 0 | 3 |
| Total | 16 | 14 | Total | 15 | 15 |

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

Advisor: College of Education Student Success Center

T.J. Farr 202, Phone: (931) 372-6036

| Junior Year | | Senior Year | |
|--|-----------|---|-----------|
| CFS 3600 Family, Community and Professional Partnerships | 2 | ELED 4871 Residency I | 5 |
| FOED 3010 Integrating Instructional Technology | 3 | ELED 4872 Professional Seminar I | 5 |
| FOED 3810 Field Experiences in Education | 2 | ELED 4881 Residency II | 10 |
| ESLP 4100 ESL Methodology & Materials for PreK-12 or TEAE 4020 | 3 | ELED 4882 Professional Seminar II | 2 |
| ESLP 4200 ESL Assessment: Reading and Writing or TEAE 4437 | 3 | SPED 3000 Teaching Persons with Disabilities in the Regular Classroom | 3 |
| ESLP 4300 Field Experiences in ESL | 3 | | |
| FREN/GERM/SPAN 3510, 3520 or 3550 | 3 | | |
| LING (ENGL) 4511 Intro to Descriptive Linguistics or TEAE 4500 | 3 | | |
| READ 3313 Literacy for Special Populations | 5 | | |
| READ 3350 Teaching Reading in the Content Areas | 3 | | |
| Electives | 5 | | |
| Total | 35 | Total | 25 |

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table www.tntech.edu/admissions/transfer/apply/credits/

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-SCIENCE (7-12 LICENSURE)
OPTION: BIOLOGY

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

| Freshman Year | | F | SP | Sophomore Year | | F | SP |
|-------------------------------|--|----|----|-------------------------------------|----------------------------------|----|----|
| Humanities/Fine Arts Elective | | 3 | 0 | Social/Behavioral Science Electives | | 3 | 3 |
| BIOL 1110, 1120 | General Biology I, II | 4 | 4 | SPCH 1010 | Fundamentals of Speech | 3 | 0 |
| EDU 1120 | Teaching & Technology | 0 | 3 | ENGL 2230, 2310 or 2320 | | | |
| 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 1530 | Probability and Statics | 3 | 0 | HIST 2010, 2020 | Survey of American History I, II | 3 | 3 |
| MATH 1710 | College Algebra/Pre-calculus I | 0 | 3 | CHEM 1110 | General Chemistry I | 4 | 0 |
| | | | | Elective ¹ | | 0 | 2 |
| | | | | BIOL 2010 | Human Anatomy and Physiology I | 0 | 4 |
| Total | | 16 | 13 | Total | | 16 | 15 |

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

Advisor: College of Education Student Success Center
T.J. Farr 202, Phone: (931) 372-6036

| Junior Year | | | Senior Year | | |
|-------------|---|----|-------------|---|----|
| BIOL 2110 | General Botany | 4 | SEED 4871 | Residency I | 5 |
| BIOL 3130 | General Ecology | 4 | SEED 4872 | Professional Seminar I | 5 |
| BIOL 3140 | Cellular Biology | 4 | SEED 4881 | Residency II | 10 |
| BIOL 3810 | General Genetics | 4 | SEED 4882 | Professional Seminar II | 2 |
| FOED 3010 | Integrating Instructional Technology | 3 | SPED 3000 | Teaching Persons with Disabilities in the Regular Classroom | 3 |
| FOED 3820 | Field Experiences in Education | 2 | | | |
| GEOL 1040 | The Dynamic Earth | 4 | | | |
| PHYS 2010 | Algebra-Based Physics I | 4 | | | |
| READ 3350 | Teaching Reading in the Content | 3 | | | |
| SEED 4123 | Material & Methods of Teaching the Sciences | 3 | | | |
| Total | | 35 | Total | | 25 |

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table
www.tntech.edu/admissions/transfer/apply/credits/

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.

8/2/16

**SECONDARY EDUCATION (7-12 Licensure)
MATHEMATICS**

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF SCIENCE

| Freshman Year | F | SP | Sophomore Year | F | SP |
|---|----|----|---|----|----|
| Humanities/Fine Arts Elective | 0 | 3 | Social/Behavioral Science Electives | 3 | 3 |
| EDU 1120 Teaching & Technology | 3 | 0 | SPCH 1010 Fundamentals of Speech | 0 | 3 |
| ENGL 1010, 1020 English Composition I, II | 3 | 3 | ENGL 2230, 2310 or 2320 British or World Literature | 3 | 0 |
| MATH 1910, 1920 Calculus I, II | 4 | 4 | ENGL 2130 American Literature | 0 | 3 |
| Science Sequence | 4 | 4 | HIST 2010, 2020 Survey of American History I, II | 3 | 3 |
| | | | MATH 2110, 2010 Calculus III, Elements of Linear Algebra | 4 | 3 |
| | | | MATH 2120 Differential Equations | 0 | 3 |
| | | | PHED Physical Education | 1 | 0 |
| Total | 17 | 14 | Total | 14 | 15 |

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

Advisor: College of Education Student Success Center

T.J. Farr 202, Phone: (931) 372-6036

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

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 |
|-------------------|---|----|----|----------------------------------|----------------------------------|----|----|
| EDU 1120 | Teaching and Technology | 0 | 3 | SPCH 1010 | Fundamentals of Speech | 3 | 0 |
| EDU 2110 | Psychology of Human Development & Learning | 3 | 0 | ENGL 2230, 2310 or 2320 | | | |
| ENGL 1010, 1020 | English Composition I, II | 3 | 3 | ENGL 2130 | British or World Literature | 3 | 0 |
| HIST 1110 or 1120 | | 0 | 3 | ENGL 2130 | American Literature | 0 | 3 |
| MATH | | 3 | 0 | HIST 2010, 2020 | Survey of American History I, II | 3 | 3 |
| Science Sequence | | 4 | 4 | PSYC 1030 | General Psychology I | 3 | 0 |
| GEOG 1030 | Cultural Geography | 3 | 0 | POLS 1030 | American Government | 0 | 3 |
| | | | | ANTH 2010 or SOCI 1010 | | 3 | 0 |
| | | | | Elective from POLS, ECON or GEOG | | 0 | 3 |
| | | | | Electives ¹ | | 0 | 4 |
| Total | | 16 | 13 | Total | | 15 | 16 |

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

Advisor: College of Education Student Success Center

T.J. Farr 202, Phone: (931) 372-6036

| Junior Year | | | Senior Year | | |
|--|--|----|-------------|--|----|
| HIST 3410 | Intro of Historical Methods | 3 | SPED 3000 | Teaching Persons with Disabilities in the Regular Classroom | 3 |
| FOED 3010 | Integrating Instructional Technology into the Classroom | 3 | SEED 4871 | Residency I | 5 |
| FOED 3820 | Field Experiences in Education | 2 | SEED 4872 | Professional Seminar I | 5 |
| HIST 1010, 1020, 3100 | | 9 | SEED 4881 | Residency II | 10 |
| HIST 4710, 4730, 4740, 4750, 4760 or 4790-4799 | | 3 | SEED 4882 | Professional Seminar II | 2 |
| HIST Upper Division Electives | | 6 | | | |
| SEED 4124 | Materials & Methods of Teaching Social Studies | 3 | | | |
| READ 3350 | Teaching Reading in Content Area | 3 | | | |
| Elective from POLS, ECON, GEOG | | 3 | | | |
| Total | | 38 | Total | | 25 |

¹Elective courses must be selected from the Motlow State/TTU Transfer Equivalency table
www.tntech.edu/admissions/transfer/apply/credits/

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.

8/2/16

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 |
| SPCH 1010 Fundamentals of Speech | 0 | 3 | ENGL Literature | 0 | 3 |
| ENGL 1010, 1020 English Composition I, II | 3 | 3 | MATH 2110 Calculus III | 4 | 0 |
| MATH 1910, 1920 | | | MATH 2120 Differential Equations | 0 | 3 |
| Calculus I, II | 4 | 4 | PHYS 2110, 2120 Calculus-Based Physics I, II | 4 | 4 |
| HIST 2010, 2020 Survey of American History I, II ³ | 3 | 3 | Humanities/Fine Arts Electives | 3 | 3 |
| | | | Social/Behavioral Science Electives | 3 | 3 |
| Total | 14 | 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 ² | | Senior Year | | | |
|---------------------------------|---|-------------|--------------------------------------|--|-----------|
| ENGR 1120 | Programming for Engineers | 2 | CHE 4131 | Transfer Science III: Diffusion and Diffusive-Convective Mass Transfer | 4 |
| CHE 2020 | Intro to Chemical & Biological Engineering Process Analysis II | 3 | CHE 4210 | Chemical Reaction Engineering | 4 |
| CHE 1520 | Intro to Chemical and Biological Process Analysis and Scaling I | 3 | 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 | Professionalism and Ethics in ChE | 1 |
| CHE 3730 | CHE Operations | 3 | CHEM 3510, 3520 | Physical Chemistry | 8 |
| Technical Elective ³ | | 3 | | | |
| CEE 2110, ECE 3810 or BIOL 3200 | | 3 | | | |
| Total | | 32 | Total | | 33 |

¹Survey of American 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 4330 - Polymer Engineering
- ChE 4661 - Transport in Biochemical and Biological Processes
- ChE 4990 - Undergraduate Research

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 | CISP 1010 | Computer Science I | 4 | 0 |
| MATH 1910, 1920 | | | | ENGL Literature | | 3 | 0 |
| | Calculus I, II | 4 | 4 | SPCH 1010 | Fundamentals of Speech | 0 | 3 |
| CHEM 1110 | General Chemistry I | 4 | 0 | PHYS 2110, 2120 | Calculus Based Physics I, II | 4 | 4 |
| | Humanities/Fine Arts Elective | 0 | 3 | MATH 2010 | Elements of Linear Algebra | 0 | 3 |
| | Social/Behavioral Science Elective | 0 | 3 | MATH 2120 | Differential Equations | 0 | 3 |
| HIST 2010, 2020 | Survey of American History I, II ¹ | 3 | 3 | | Humanities/Fine Arts Elective | 0 | 3 |
| | | | | | Social/Behavioral Science Elective | 3 | 0 |
| | Total | 14 | 16 | | Total | 14 | 16 |

TENNESSEE TECHNOLOGICAL UNIVERSITY
COMPUTER ENGINEERING-BACHELOR OF SCIENCE DEGREE

Advisor: Dr. Charles Carnal, Faculty Advisor

Brown Hall 217, CharlesLC@tntech.edu

Recommend the advisor be contacted prior to transfer.

| Third Year | | | Fourth Year | | |
|---------------------------------|------------------------------------|----|-------------|---|----|
| CSC 2110 | Data Structures and Algorithms | 3 | CSC 2400 | Design of Algorithms | 3 |
| CSC 2111 | Data Structures and Algorithms Lab | 1 | CSC 2500 | Unix Lab | 1 |
| ECE 2001 | Computer Aided Engineering in ECE | 1 | CSC 4200 | Computer Networks | 3 |
| ECE 2010 | Electric Circuits I | 3 | ECE 3010 | Signals & Systems | 3 |
| ECE 2011 | EE Lab I | 1 | ECE 3020 | Discrete-Time Signals and Systems | 3 |
| ECE 2020 | Electric Circuits II | 3 | ECE 3060 | EE Lab II | 1 |
| ECE 2110 | Intro to Digital Systems | 3 | ECE 3300 | Electronics I | 3 |
| MATH 2110 | Calculus III | 4 | ECE 3160 | Digital Systems Lab | 1 |
| MATH 3470 | Intro Probability and Statistics | 3 | ECE 3130 | Microcomputer Systems | 4 |
| | | | ECE 3920 | Professional Issues in Electrical Engineering | 1 |
| | Total | 22 | | Total | 23 |
| Fifth Year | | | | | |
| ECE 4110 | Digital System Design | 3 | | | |
| ECE 4120 | Fundamentals of Computer Design | 3 | | | |
| ECE 4140 | Embedded System Design | 3 | | | |
| EE Lab elective ² | | 2 | | | |
| ECE 4961, 4971 | Capstone Design I, II | 6 | | | |
| EE Elective ² | | 3 | | | |
| Comp. Eng Elective ² | | 3 | | | |
| CSC 4100 | Operating Systems | 3 | | | |
| CS elective ² | | 3 | | | |
| | Total | 29 | | | |

¹Survey of American History I, II are not required for a bachelor of science degree in computer engineering.

²Select from the ECE Department approved list.

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

COLLEGE OF INTERDISCIPLINARY STUDIES

INTERDISCIPLINARY STUDIES

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 | PSYC 1030 General Psychology | 3 | 0 |
| HIST 2010, 2020 Survey of American History I, II | 3 | 3 | ENGL Literature | 0 | 3 |
| MATH | 3 | 0 | SPCH 1010 Fundamentals of Speech | 3 | 0 |
| Science | 4 | 4 | SOCI 1010 Introduction to Sociology | 0 | 3 |
| Humanities/Fine Arts Elective | 3 | 3 | ECON 2020 Microeconomics | 0 | 3 |
| Elective | 0 | 3 | Electives ² | 7 | 6 |
| Total | 16 | 16 | Total | 13 | 15 |

TENNESSEE TECHNOLOGICAL UNIVERSITY INTERDISCIPLINARY STUDIES - BACHELOR OF SCIENCE DEGREE

Advisor: Jeannie Smith, Student Success Director
Southwest Hall 146, Phone: (931) 372-6238

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

Students must complete 60 hours at senior institution with 45 hours of upper-division credit at the 3000-4000 level.

¹Must be selected from the General Education requirements in the Motlow catalog and the TTU course equivalency table www.tntech.edu/admissions/transfer/apply/credits/

²Elective courses must be selected from the MSCC/TTU transfer course equivalency table www.tntech.edu/admissions/transfer/apply/credits/.

The BS/LIST degree requires a minimum of 120 hours. Students with an Associate's degree may need to take electives or prerequisite credits.

DEGREE REQUIREMENTS

Students hold 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.

INTERDISCIPLINARY STUDIES

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 | PSYC 1030 General Psychology | 3 | 0 |
| HIST 2010, 2020 Survey of American History I, II | 3 | 3 | ENGL Literature | 0 | 3 |
| MATH | 3 | 0 | SPCH 1010 Fundamentals of Speech | 3 | 0 |
| Natural Sciences | 4 | 4 | SOCI 1010 Introduction to Sociology | 0 | 3 |
| Humanities/Fine Arts Elective | 3 | 3 | ECON 2020 Microeconomics | 0 | 3 |
| Elective | 0 | 3 | Electives | 7 | 6 |
| Total | 16 | 16 | Total | 13 | 15 |

TENNESSEE TECHNOLOGICAL UNIVERSITY INTERDISCIPLINARY STUDIES - BACHELOR OF SCIENCE DEGREE

Advisor: Jeannie Smith, Student Success Director
Southwest Hall 146, Phone: (931) 372-6238

| Junior Year | | Senior Year | |
|--------------------------------|----|--|----|
| Concentration Area (3000-4000) | 12 | Concentration Area (3000-4000) | 12 |
| Electives (3000-4000) | 18 | Electives (any level) | 15 |
| | | LIST 4995 Capstone Project (last semester; all concentration requirements must be completed prior) | 3 |
| Total | 30 | Total | 30 |

Students must complete 60 hours at senior institution with 45 hours of upper-division credit at the 3000-4000 level.

¹Must be selected from the General Education requirements in the Motlow catalog and the TTU course equivalency table www.tntech.edu/admissions/transfer/apply/credits/

²Elective courses must be selected from the MSCC/TTU transfer course equivalency table www.tntech.edu/admissions/transfer/apply/credits/

The BS/LIST degree requires a minimum of 120 hours. Students with an Associate's degree may need to take electives or prerequisite credits.

DEGREE REQUIREMENTS

Students hold 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.

8/2/16

PROFESSIONAL STUDIES

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 | PSYC 1030 General Psychology | 3 | 0 |
| HIST 2010, 2020 Survey of American History I, II | 3 | 3 | ENGL Literature | 0 | 3 |
| MATH | 3 | 0 | SPCH 1010 Fundamentals of Speech | 3 | 0 |
| Science | 4 | 4 | SOCI 1010 Introduction to Sociology | 0 | 3 |
| Humanities/Fine Arts Electives | 3 | 3 | ECON 2020 Microeconomics | 0 | 3 |
| | | | Electives | 7 | 6 |
| Total | 16 | 13 | Total | 13 | 15 |

TENNESSEE TECHNOLOGICAL UNIVERSITY
PROFESSIONAL STUDIES - BACHELOR OF SCIENCE DEGREE

Advisor: Jeannie Smith, Student Success 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 (any level) | 15 |
| Electives (3000-4000 level) | 6 | PRST 4995 Capstone Project (last semester; all concentration requirements must be completed prior) | 3 |
| Total | 30 | Total | 30 |

Available concentrations in Health Administration, Information Technology, Organizational Leadership, or International Organizational Leadership, www.tntech.edu/is/sps/bps. This is an online degree program delivered through TN eCampus, www.tnecampus.info

SCHOOL OF NURSING

8/2/16

NURSING

MOTLOW STATE COMMUNITY COLLEGE

DEGREE: ASSOCIATE OF APPLIED SCIENCE IN NURSING

| Freshman Year | | F | SP | Sophomore Year | | F | SP |
|-----------------|--------------------------------|----|----|------------------------------------|------------------------------|----|----|
| SPCH 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 |
| NURS 1070 | Dosage Calculations | 0 | 1 | NURS 2130 | Seminar in Nursing | 0 | 1 |
| NURS 1400 | Role of Associate Degree Nurse | 1 | 0 | NURS 2410 | Nursing Care III | 9 | 0 |
| NURS 1410 | Nursing Care I | 9 | 0 | NURS 2420 | Nursing Care IV | 0 | 9 |
| NURS 1420 | Nursing Care II | 0 | 9 | ARTA 1030, THEA 1030, or MUSA 1030 | | 3 | 0 |
| PSYC 1030 | General Psychology | 3 | 0 | | | | |
| | Total | 16 | 16 | Total | | 20 | 14 |

TENNESSEE TECHNOLOGICAL UNIVERSITY NURSING-BACHELOR OF SCIENCE DEGREE

Advisor: Ben Clark

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

| Transition | | |
|--|------------------------|----|
| ENGL 2130, 2230, 2330 ² | | 3 |
| HIST 2010, 2020 ² | American History I, II | 6 |
| MATH 1130 or 15320 | | 3 |
| SOC 1010 or 1100 | | 3 |
| Humanities/Fine Arts Elective ⁴ | | 3 |
| Electives ⁵ | | 13 |
| | Total | 31 |

| Junior Year | | | Senior Year | | |
|--|---|----|-------------|--|----|
| NLN ¹ | Mobility Profile II Exams | | NURS 3430 | Survey of Pharmacological Aspects of Nursing | 3 |
| NURS 3250, 3270, 3271, 3280, 3350, 3361, 3370, 3371, 4000, 4001, 4100, 4101 ³ | | 33 | NURS 4300 | Research in Health Care | 3 |
| NURS 3260, 3261 or 3281 | | 3 | NURS 4350 | Health Care of Communities | 4 |
| NURS 3380 | Path. Processes for the Prof. Nurse | 3 | NURS 4351 | Health of Communities: Lab | 3 |
| NURS 3465 | Bridging to Professional Nursing Practice | 4 | NURS 4450 | Leadership & Management | 3 |
| | | | NURS 4451 | Leadership & Management: Lab | 4 |
| | Total | 43 | Total | | 18 |

¹If conditions of the Tennessee Career Mobility Plan are not met: then NLN Mobility Profile II exams must be successfully completed prior to beginning Upper Division courses.

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

³Credit for required courses NURS 3250, 3270, 3271, 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 (NURS).

⁴Courses must be selected from the general education list.

⁵Courses must be selected from the MSCC/TTU transfer equivalency table www.tntech.edu/admissions/transfer/apply/credits/.

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

8/2/16

2016-2017

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, 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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