

## ARTICULATION AGREEMENT

Tennessee Technological University

and

Motlow State Community College

### **Contents:**

Articulation Agreement

Attachment A "Program of Study"

**THIS ARTICULATION AGREEMENT** (the “Agreement”) is entered into by and between Tennessee Technological University (“Transfer School”) and Motlow State Community College (“Institution”) as of the date of the last signature on this Agreement. The parties desire to enter into a contract pursuant to which students of Institution will be eligible for articulated course credits at Transfer School, according to the terms contained in this Agreement.

**ACCORDINGLY**, in consideration of the promises and mutual covenants contained in this Agreement, and of other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

**1. Description of Articulation Program.**

- a. Purpose. The purpose of this Agreement is to facilitate the transfer of Institution’s students to Transfer School; to provide specific advisement for Institution’s students who intend to transfer to Transfer School; and, to encourage academic and administrative coordination between the two parties in the following program of study: Engineering.

Attachment A “Program of Study” outlines the equivalent transfer courses at Transfer School for courses taken at Institution. Attachment B “Academic Plan” outlines the courses and credits that must be taken and earned at Transfer School in order to meet Transfer School’s graduation requirements for this program of study.

A listing of the upper division courses that students shall be required to complete in order to earn a baccalaureate degree through Transfer School is also provided.

- b. Annual review. This Agreement will be subject to annual review by representatives of each party. Any recommendations for revisions will be made in writing and reviewed by each party’s respective Chief Academic Officer or their designees. The articulation requirements of this Agreement may only be amended in the form of an amendment signed by authorized representatives of the parties and the Chancellor of the Tennessee Board of Regents.
- c. Program of Study. Changes by either party to a Program of Study can be incorporated into this Agreement by written amendment, as agreed by both parties.
- d. Admission requirements. Students wishing to transfer credits to Transfer School must also meet the admissions requirements of Transfer School, and the parties acknowledge and agree that Transfer School reserves the right to reject any such student’s admission to Transfer School, in accordance with its standard policies and procedures. These students must also provide an official transcript of courses completed. If admitted, the students shall become subject to all of Transfer School’s policies, procedures and rules.
- e. Non-Exclusivity. This Agreement is not exclusive, and either party may enter into similar agreements with any other party.
- f. Promotion. Both parties agree to use commercially reasonable efforts to promote, publicize and advertise the opportunities contemplated by this Agreement to their faculty, staff, alumni, students and potential students.

- g. Liaisons. Each party shall designate a representative to serve as its liaison in all matters arising under this Agreement, and shall furnish in writing the name of each representative to the other party.

**2. Term and Termination.**

- a. Term. This Agreement will be effective from the date of final signature below. This Agreement will be terminated three years from the effective date. It is agreed that once terminated, both institutions will honor the terms of the Agreement until the end of the next admissions application and review period.
- b. Post-Termination. Upon termination of this Agreement for any reason, Institution's students previously accepted by or admitted to Transfer School shall continue to receive the benefits contemplated by this Agreement until such time such students have completed their coursework or have otherwise withdrawn

**3. Miscellaneous.**

- a. Non-Discrimination. Both parties shall abide by all applicable Federal and State laws pertaining to discrimination and hereby agree and assure that no person shall be excluded from participation in, be denied benefits of, or otherwise be subjected to discrimination in the performance of this Agreement or in the employment practices of both parties on the grounds of classifications protected by Federal or State law.
- b. Binding agreement. This Agreement shall not be binding upon the parties until it is approved by the president or designee of Transfer School and the Chancellor of the Tennessee Board of Regents.
- c. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Tennessee without regard to its conflict of laws provisions.
- d. Notices. All notices or other written communications relating to termination, expiration, or any other legal matter relating to this Agreement will be effective when received and must be given in writing by courier or reputable overnight delivery service, or by certified mail, return receipt requested, to either party at the following address (or to such other address as such party may substitute, by providing a written notice.)

For Transfer School:

Tennessee Technological University  
Attention: Dr. Lori Mann Bruce  
1 William L Jones Drive  
Cookeville, TN 38505  
931-372-3101

For Institution

Motlow State Community College  
Attention: Academic Affairs  
PO Box 8500  
Lynchburg, TN 37352  
931-393-1698


- e. Waivers. The waiver by either party of any provision of this Agreement on any occasion and upon any particular circumstance shall not operate as a waiver of such provision of this Agreement on any other occasion or upon any other circumstance.

- f. Complete Agreement; Integration. This Agreement contains the complete understanding of the parties with respect to the subject matter hereof and supersedes all other agreements, understandings, communications and promises of any kind, whether oral or written, between the parties with respect to such subject matter.
  
- g. Counterparts; Facsimile Signatures. This Agreement may be executed in multiple counterparts, all of which shall be originals and which together shall constitute a single agreement. For the purpose of interpreting this Agreement, facsimile and PDF signatures shall be considered equivalent to original signatures.
  
- h. Independent Contractors. The parties are independent contractors, and no agency, partnership, franchise, joint venture, or employment relationship is intended or created by this Agreement. Neither party shall make any commitment, or give the impression that it has authority to make any commitment, on behalf of the other party.
  
- i. Confidentiality of Records. All educational records created, disclosed, or maintained pursuant to the terms of this Agreement are confidential and shall be created, disclosed, and maintained pursuant to the provisions of Family Educational Right to Privacy Act, also known as FERPA (20 U.S.C.A. s1232g) and its regulations.
  
- j. Per SACSCOC Standard 10.8 in the Principles of Accreditation, all transfer credit contemplated in this Agreement has been evaluated by academically qualified faculty of Transfer School to ensure that students receiving credit for courses taken at Institution have achieved the same level of knowledge, skills and experiences as those who have completed coursework at Transfer School.

*[Signature Page Follows]*

In Witness Whereof, the parties have by their duly authorized representatives set their signatures.

**Tennessee Technological University**


DocuSigned by:  
  
18803E705E9101  
Dr. Philip Oldham, President

DS  


2023-11-17 | 3:02 AM PST

Date

**Motlow State Community College**

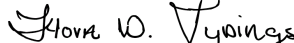
DocuSigned by:  
  
0E46E074E991189  
Dr. Michael Torrence, President

DS  


2023-11-21 | 9:22 AM PST

Date

**Approved: Tennessee Board of Regents**

DocuSigned by:  
  
F01415FA7199  
Chairman, Tennessee Board of Regents

DS  


2023-11-21 | 11:24 AM CST

Date



**MOTLOW STATE**  
COMMUNITY COLLEGE



**College of Engineering**  
TENNESSEE TECH

## ATTACHMENT A

### Degree Map

**CATALOG YEAR: 2022-2023**

**Degree: BSCmpE**

**MAJOR: Computer Engineering**

*The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and a department's tentative plans for scheduling courses. This document provides general direction.*

Course	Cr. Hrs.	Course	Cr. Hrs.
<b>FIRST YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 17		Total Credit Hours: 17	
ENGL 1010 English Composition I	3	ENGL 1020 English Composition II	3
MATH 1910 Calculus I	4	MATH 1920 Calculus II	4
CHEM 1110 General Chemistry I	4	MATH 2010 Intro to Linear Algebra	3
Social/Behavioral Science Elective	3	CISP 1010 Computer Science I	4
Humanities/Fine Arts Elective	3	Humanities/Fine Arts Elective	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SOPHOMORE YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 13		Total Credit Hours: 14	
ENGL 2130, 2230, or 2330 Literature	3	COMM 2025 Fundamentals of Comm	3
MATH 2120 Differential Equations	3	PHYS 2120 Calculus Based Physics II	4
PHYS 2110 Cal Based Physics I	4	Career Elective	3
Social/Behavioral Science Elective	3	ENGR 2130 Circuits I	4
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>JUNIOR YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 18		Total Credit Hours: 17	
ECE 1000 Explorations in ECE	3	ECE 3140 Digital System Design	3
ECE 3050 Circuits & Electronics II	4	ECE 3330 Signals and Systems	4
ECE 2140 Intro. to Digital Systems	4	ECE 3920 Professional Issues in ECE	1
CSC 1310 Data Structures & Algorithms	4	CmpE Breadth Elective	3
MATH 2610 Discrete Structures	3	ECE 3130 Microcomputer Systems	3
		CSC 2400 Design of Algorithms	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SENIOR YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 15		Total Credit Hours: 16	
ECE 4140 Embedded System Design	3	ECE 4120 Fund. of Computer Design	3
ECE 4961 Capstone Design I	3	ECE 4971 Capstone Design II	3
CSC 4200 Computer Networks	3	CSC 4100 Operating Systems	3
CmpE Breadth Elective	3	CmpE Depth Elective	3
MATH 3470 Intro Probability and Stat	3	CmpE Depth Elective	3
		Free Elective	1

Green color listed courses taken at Motlow

Purple color listed courses taken at TTU

- CmpE Breadth Electives: ECE 3210, ECE 3260, ECE 3270, ECE 3710, ECE 3760, CSC 2310, CSC 3220, or CSC 3300
- CmpE Depth Electives: ECE 4010, ECE 4020, ECE 4130, CSC 4220, CSC 4240, CSC 4260, CSC 4400, CSC 4450, CSC 4575, CSC 4580, CSC 4585, CSC 4610, CSC 4710, CSC 4750, CSC 4760, CSC 4770, CSC 4780 3.
- Career Electives can be chosen from any of the following at TTU:
  - ECE: Any 3000-level ECE course except 3850; any 4000-level ECE course.
  - Engineering: CHE 2015, CEE 2110, CEE 3110, CEE 3413, CEE 3710, CSC 2310, CSC 2400, CSC 2510, CSC 2570, CSC 2700, CSC 2770, CSC 3020, CSC 3710, CSC 4100, CSC 4200, CSC 4240, CSC 4575, CSC 4750, CSC 4760, CSC 4780, ENGR 3020, ENGR 3710, ENGR 4500, ENGR 4510, ME 2330, ME 3210, ME 3610, ME 4140, VE 3400, VE 3500, VE 4050, VE 4500

- Mathematics: MATH 2110, MATH 2610, MATH 3070, MATH 3080, MATH 3400, MATH 3810, or any 4000-level MATH course except 4610 and 4620.
  - Science: ASTR 1010, ASTR 1020, BIOL 1113, BIOL 1123, BIOL 2310, BIOL 2350, CHEM 1120, CHEM 2010, PHYS 1100, PHYS 2420, PHYS 2920
  - Business: ACCT 3720, BMGT 3510, ECON 2010, ECON 2020, FIN 3210, LAW 2810, MKT 3400, MKT 3900
  - Foreign Language: FREN 1010, FREN 1020, FREN 2010, FREN 2020, GERM 1010, GERM 1020, GERM 2010, GERM 2020, SPAN 1010, SPAN 1020, SPAN 2010, SPAN 2020
  - Only one of CSC 3020 (ENGR 3020) and MATH 4210 may be taken for elective credit
- Career Electives at Motlow: Any of the TTU Career Electives that are listed in the Transfer Equivalency Tables. Examples include: ENGR 2110, ENGR 2120, MATH 2110, BIOL 1110, BIOL 1120, CHEM 1120, ECON 2100, ECON 2200, etc.


**Degree Map**
**CATALOG YEAR: 2022-2023**
**Degree: BSEE 2+2**
**MAJOR: Electrical Engineering**

The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and a department's tentative plans for scheduling courses. This document provides general direction.

Course	Cr. Hrs.	Course	Cr. Hrs.
<b>FIRST YEAR</b>			
Semester: Fall Total Credit Hours: 17		Semester: Spring Total Credit Hours: 17	
ENGL 1010 English Composition I	3	ENGL 1020 English Composition II	3
MATH 1910 Calculus I	4	MATH 1920 Calculus II	4
CHEM 1110 General Chemistry I	4	MATH 2010 Intro to Linear Algebra	3
Social/Behavioral Science Elective	3	CISP 1010 Computer Science I	4
Humanities/Fine Arts Elective	3	Humanities/Fine Arts Elective	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SOPHOMORE YEAR</b>			
Semester: Fall Total Credit Hours: 13		Semester: Spring Total Credit Hours: 18	
ENGL 2130, 2230, or 2330 Literature	3	COMM 2025 Fundamentals of Comm	3
MATH 2120 Differential Equations	3	MATH 2110 Calculus III	4
PHYS 2110 Cal Based Physics I	4	PHYS 2120 Calculus Based Physics II	4
Social/Behavioral Science Elective	3	Career Elective	3
		ENGR 2130 Circuits I	4
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>JUNIOR YEAR</b>			
Semester: Fall Total Credit Hours: 15		Semester: Spring Total Credit Hours: 18	
ECE 1000 Explorations in ECE	3	ECE 3130 Microcomputer Systems	4
ECE 2140 Intro. to Digital Systems	4	ECE 3330 Signals and Systems	4
ECE 3050 Circuits & Electronics II	4	EE Breadth Elective	3
ECE 3510 Electromagnetic Fields I	3	CSC 1310 Data Structures & Algorithms	4
ECE 3920 Professional Issues in ECE	1	MATH 3470 Intro to Prob and Statistics	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SENIOR YEAR</b>			
Semester: Fall Total Credit Hours: 15		Semester: Spring Total Credit Hours: 15	
ECE 4050 Circuits & Electronics III	3	ECE 4971 Capstone Design II	3
ECE 4961 Capstone Design I	3	EE Breadth Elective	3
EE Breadth Elective	3	EE Depth Elective	3
EE Breadth Elective	3	EE Depth Elective	3
Career Elective	3	Free Elective	3

Green color listed courses taken at Motlow

Purple color listed courses taken at TTU

- EE Breadth Electives: ECE 3140, ECE 3210, ECE 3260, ECE 3270, ECE 3360, ECE 3540, ECE 3560, ECE 3610, ECE 3660, ECE 3710, or ECE 3760
- EE Depth Electives: ECE 4010, ECE 4020, ECE 4120, ECE 4130, ECE 4140, ECE 4210, ECE 4370, ECE 4510, ECE 4520, ECE 4610, ECE 4620, ECE 4630, ECE 4710, or ECE 4720
- Career Electives can be chosen from any of the following:
  - ECE: Any 3000-level ECE course except 3850; any 4000-level ECE course.
  - Engineering: CHE 2015, CEE 2110, CEE 3110, CEE 3413, CEE 3710, CSC 2310, CSC 2400, CSC 2510, CSC 2570, CSC 2700, CSC 2770, CSC 3020, CSC 3710, CSC 4100, CSC 4200, CSC 4240, CSC 4575, CSC 4750, CSC 4760, CSC 4780, ENGR 3020, ENGR 3710, ENGR 4500, ENGR 4510, ME 2330, ME 3210, ME 3610, ME 4140, VE 3400, VE 3500, VE 4050, VE 4500
  - Mathematics: MATH 2110, MATH 2610, MATH 3070, MATH 3080, MATH 3400, MATH 3810, or any 4000-level MATH course except 4610 and 4620.



- Science: ASTR 1010, ASTR 1020, BIOL 1113, BIOL 1123, BIOL 2310, BIOL 2350, CHEM 1120, CHEM 2010, PHYS 1100, PHYS 2420, PHYS 2920
  - Business: ACCT 3720, BMGT 3510, ECON 2010, ECON 2020, FIN 3210, LAW 2810, MKT 3400, MKT 3900
  - Foreign Language: FREN 1010, FREN 1020, FREN 2010, FREN 2020, GERM 1010, GERM 1020, GERM 2010, GERM 2020, SPAN 1010, SPAN 1020, SPAN 2010, SPAN 2020
  - Only one of CSC 3020 (ENGR 3020) and MATH 4210 may be taken for elective credit.
- 
- Career Electives at Motlow: Any of the TTU Career Electives that are listed in the Transfer Equivalency Tables. Examples include: ENGR 2110, ENGR 2120, MATH 2110, BIOL 1110, BIOL 1120, CHEM 1120, ECON 2100, ECON 2200, etc.

**Degree Map****CATALOG YEAR:** 2022-2023**Degree:** BSEE-Mechatronics 2+2**MAJOR:** Electrical Engineering**CONCENTRATION:** Mechatronics

*The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and a department's tentative plans for scheduling courses. This document provides general direction.*

Course	Cr. Hrs.	Course	Cr. Hrs.
<b>FIRST YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 17		Total Credit Hours: 17	
ENGL 1010 English Composition I	3	ENGL 1020 English Composition II	3
MATH 1910 Calculus I	4	MATH 1920 Calculus II	4
CHEM 1110 General Chemistry I	4	MATH 2010 Intro to Linear Algebra	3
ENST 1311 Engineering Graphics	3	CISP 1010 Computer Science I	4
Social/Behavioral Science Elective	3	Humanities/Fine Arts Elective	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SOPHOMORE YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 16		Total Credit Hours: 18	
ENGL 2130, 2230, or 2330 Literature	3	COMM 2025 Fundamentals of Comm	3
MATH 2120 Differential Equations	3	MATH 2110 Calculus III	4
PHYS 2110 Cal Based Physics I	4	PHYS 2120 Calculus Based Physics II	4
Social/Behavioral Science Elective	3	ENGR 2110 Statics	3
Humanities/Fine Arts Elective	3	ENGR 2130 Circuits I	4
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>JUNIOR YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 18		Total Credit Hours: 15	
ECE 1000 Explorations in ECE	3	ECE 3130 Microcomputer Systems	4
ECE 3050 Circuits & Electronics II	4	ECE 3920 Professional Issues in ECE	1
ECE 2140 Intro. to Digital Systems	4	ME 2330 Dynamics	3
ECE 3330 Signals and Systems	4	CSC 1310 Data Structures & Algorithms	4
ECE 3510 Electromagnetic Fields I	3	MATH 3470 Intro to Prob and Statistics	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SENIOR YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 14		Total Credit Hours: 14	
ECE 4961 Capstone Design I	3	ECE 4971 Capstone Design II	3
ECE 4050 Circuits & Electronics III	3	EE Mechatronics Concentration Elective	3
ECE 3210 Control Systems Analysis	3	EE Mechatronics Concentration Elective	3
ECE 3260 Control Systems Lab	1	ME 4140 Intro Robotics and Intell. Mach	3
ME 3610 Dynamics of Machinery	3	Free Elective	2
ECE 3270 Prog. Logic Controller Lab	1		

**Green color listed courses taken at Motlow**

**Purple color listed courses taken at TTU**

**Notes:**

- EE Mechatronics Concentration Electives: ECE 3610, ECE 3660, ECE 4010, ECE 4140, ECE 4210, ECE 4630, ME 4640, VE 3500


**Degree Map**
**CATALOG YEAR: 2022-2023**
**Degree: BSME 2+2**
**MAJOR: Mechanical Engineering**

The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and course schedule. This document provides general direction.

Course	Cr. Hrs.	Course	Cr. Hrs.
<b>FIRST YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 17		Total Credit Hours: 18	
ENST 1311 Engineering Graphics	3	ENGL 1020 English Composition II	3
MATH 1910 Calculus 1	4	CISP 1010 Computer Science I	4
CHEM 1110 Gen Chemistry	4	MATH 1920 Calculus II	4
ENGL 1010 English Composition I	3	PHYS 2110 Physics I	4
Humanities/Fine Arts Elective	3	Humanities/Fine Arts Elective	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SOPHOMORE YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 17		Total Credit Hours: 14	
ENGR 2110 Statics	3	IDS 2100 Ethics	1
MATH 2010 Intro to Linear Algebra	3	ENGR 2120 Dynamics	3
MATH 2110 Calculus III	4	ENGR 2130 Circuits I	4
PHYS 2120 Physics	4	MATH 2120 Diff. Equations	3
ENGL 2130, 2230, or 2330 Lit.	3	COMM 2025 Fundamentals of Comm	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>JUNIOR YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 18		Total Credit Hours: 16	
ME 3001 ME Analysis	3	ME 3050 DMC	3
ME 3023 Measurements	3	ME 3060 DMC Lab	1
ME 3210 Thermo I	3	ME 3220 Thermodynamics II	3
ME 3720 Fluid Mechanics	3	ME 3610 ME Dynamics of Mach	3
CEE 3110 Mech of Materials	3	ME 3710 Heat Transfer	3
ME 3010 Materials	3	ME 4010 Machine Design	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SENIOR YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 15		Total Credit Hours: 17	
ME 4410 Senior Design I	3	ME 4420 Senior Design II	3
ME 4020 Applied Mac Design or ME 4720 Thermal Design	3	ME 4751 Energy Sys Lab	2
Area of Emphasis Course 1	3	Area of Emphasis Course 3	3
Area of Emphasis Course 2	3	Area of Emphasis Course 4	3
Social Behavior Sc. Elective	3	Area of Emphasis Course 5	3
		Social Behavior Sc. Elective	3

Green color listed courses taken at Motlow

Purple color listed courses taken at TTU


**Degree Map**
**CATALOG YEAR: 2022-2023**
**Degree: BSME 2+2**
**MAJOR: Mechanical Engineering**
**Concentration: Mechatronics**

The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and course schedule. This document provides general direction.

Course	Cr. Hrs.	Course	Cr. Hrs.
<b>FIRST YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 17		Total Credit Hours: 18	
ENGR 1311 Engineering Graphics	3	CISP 1010 Computer Science I	4
MATH 1910 Calculus 1	4	MATH 1920 Calculus II	4
CHEM 1110 Gen Chemistry	4	PHYS 2110 Cal Based Physics I	4
ENGL 1010 English Composition I	3	ENGL 1020 Writing II	3
Social Behavior Sc. Elective	3	Humanities/Fine Arts Elective	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SOPHOMORE YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 16		Total Credit Hours: 15	
ENGR 2110 Statics	3	ENGR 2120 Dynamics	3
MATH 2120 Diff. Equations	3	IDS 2100 Ethics	1
MATH 2010 Matrix Algebra	3	MATH 2110 Calculus III	4
PHYS 2119 Physics II w/o Lab	4	COMM 2025 or PC 2500 Communication	3
ENGL 2130, 2230, or 2330 Lit.	3	ENGR 2130 Circuits I	4
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>JUNIOR YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 18		Total Credit Hours: 16	
ME 3010 Materials	3	ME 3050 DMC	3
ME 3023 Measurements	3	ME 3060 DMC Lab	1
ME 3210 Thermodynamics I	3	ME 3220 Thermodynamics II	3
ME 3610 ME Dynamics of Machines	3	ME 3710 Heat Transfer	3
CEE 3110 Mech of Materials	3	ME 3720 Fluid Mechanics	3
ME 3001 ME Analysis	3	ME 4010 Machine Design	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SENIOR YEAR</b>			
Semester: Fall		Semester: Spring	
Total Credit Hours: 15		Total Credit Hours: 16	
ME 4410 Senior Design I	3	ME 4370 Mechatronics	3
ME 4020 Applied Mac Design or ME 4720 Thermal Design	3	ME 4420 Senior Design II	3
ME 4751 Energy Sys Lab	2	ECE 3120 or ME 480	3
ECE 2140 Intro. to Digital Systems	4	Social Behavior Sc. Elective	3
Humanities/Fine Arts Elective	3	ECE 3130 Microprocessors	4

Green color listed courses taken at Motlow

Purple color listed courses taken at TTU