

**College of Basic and Applied Sciences
Upper Division Form 2007-2009 Catalog**

Student name _____ Student # _____
 Major Engineering Technology Minor _____
 Concentration Electro-Mechanical Engr Tech E-mail _____

Instructions: For students graduating in Fall 2007 or later. *One (1) copy signed by major and minor advisors should be filed in the Records Office three semesters prior to graduation. An Intent to Graduate form should be submitted with this form.*

| General Education | Course | Semester | Grade | Notes | Credit Hours |
|--|----------------|----------|-------|--|--------------|
| COMMUNICATION (9 hours) | ENGL 1010 | | | | 3 |
| | ENGL 1020 | | | | 3 |
| | COMM 2200 | | | | 3 |
| HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030 | | | | | 3 |
| | | | | | 3 |
| HUMANITIES AND/OR FINE ARTS (9 hours) Choose 1: ENGL 2020, 2030, or HUM 2610. Choose 2 with different prefixes: ANTH 2210, ART 1030, 1910, 1920, DANC 1000, HIST 1010, 1020, 1110, 1120, MUS 1030, PHIL 1030, THEA 1030 | | | | | 3 |
| | | | | | 3 |
| | | | | | 3 |
| MATHEMATICS (3 hours) | MATH 1730 | | | Fourth credit listed in Supporting Courses | 3 of 4 |
| NATURAL SCIENCES (8 hours) | CHEM 1110/1111 | | | | 4 |
| | PHYS 2010/2011 | | | | 4 |
| SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, EMC/JOUR/RIM 1020, GEOG 2000, HLTH 1530/1531, PS 1010, PS 2010, PSY 1410, SOC 1010, 2010, WMST 2100 | | | | | 3 |
| | | | | | 3 |
| Hours Required | | | | | 41 |

| Major Courses (2.0 GPA required) | Course | Semester | Grade | Notes | Credit Hours |
|--|---------|----------|-------|-------|--------------|
| Introduction to Metals and Metallurgy | ET 1210 | | | | 3 |
| Engineering Fundamentals | ET 1840 | | | | 3 |
| CADD I | ET 2310 | | | | 3 |
| Machine Tool Technology | ET 3210 | | | | 3 |
| CADD II | ET 3360 | | | | 3 |
| Electrical Circuit Analysis – DC | ET 3601 | | | | 3 |
| Electrical Circuit Analysis – AC | ET 3602 | | | | 3 |
| Digital Circuits Fundamentals | ET 3620 | | | | 3 |
| Electronics I | ET 3630 | | | | 3 |
| Introduction to Microprocessors | ET 3650 | | | | 3 |
| Engineering Thermodynamics and Heat Transfer | ET 3810 | | | | 3 |
| Statics | ET 3830 | | | | 3 |
| Strength of Materials | ET 3860 | | | | 3 |
| Industrial Safety | ET 4420 | | | | 3 |
| Programmable Logic Controllers | ET 4600 | | | | 2 |
| Instrumentation and Controls | ET 4610 | | | | 3 |
| Industrial Electricity | ET 4640 | | | | 3 |

Major requirements continued from previous page

| | | | | | |
|---|---------|--|--|--|-----------|
| Industrial Seminar | ET 4710 | | | | 1 |
| Senior Problems in Engineering Technology | ET 4802 | | | | 3 |
| Fluid Power | ET 4850 | | | | 3 |
| Robotics | ET 4860 | | | | 3 |
| Engineering Economy | ET 4970 | | | | 3 |
| Hours Required | | | | | 63 |

| Supporting and Elective Courses | | | | | |
|--|----------|-------|--|--------------|-----------|
| Course | Semester | Grade | Notes | Credit Hours | |
| CSCI 1170 – Computer Science I (C++) | | | | 4 | |
| ENGL 3620 – Professional Writing | | | Could substitute ENGL 3605 if not qualified to take ENGL 3620. | 3 | |
| MATH 1530 – Applied Statistics | | | | 3 | |
| MATH 1730 – Algebra and Trigonometry | | | 3 credits counted in General Education | 1 of 4 | |
| MATH 1910 – Calculus I | | | | 4 | |
| MATH 2110 – Data Analysis | | | | 1 | |
| PHYS 2020/2021 – Non-Calculus Based Physics II | | | | 4 | |
| Hours Required | | | | | 20 |

| Optional Minor – EMET does NOT require a minor | | | | | |
|--|----------------------|-------|-------|--------------|--|
| Course | Semester | Grade | Notes | Credit Hours | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Hours Required | | | | | |
| Signed: | | | | | |
| | Minor Advisor | | | Date | |

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
2. Remedial/developmental courses do not count toward the 120-hour requirement or cumulative degree GPA.

| | | |
|----------------|----------------------|-------------|
| Signed: | | |
| | Major Advisor | Date |

Student's local address:
to which graduation analysis
information should be sent: _____

