

# Missoula College UM Energy Technology

Student Advising Form  
Spring 2015 Update

**Student Name:** \_\_\_\_\_  
**Advisor:** \_\_\_\_\_  
**Entry Date:** \_\_\_\_\_

**Student ID:** \_\_\_\_\_  
**Advisor Contact Info:** \_\_\_\_\_  
**Advising PIN:** \_\_\_\_\_

### Energy C.A.S. Certificate Requirements

|   |   |
|---|---|
| BGEN 105S Intro to Business                                       | 3 |
| CSCI 172 Intro to Computer modeling**                             | 3 |
| ETEC 105 DC Circuit Analysis**                                    | 4 |
| ETEC 106 AC Circuit Analysis**                                    | 3 |
| ETEC 113 Circuits Lab**   | 1 |
| ETEC 213 Power Systems Technology**                               | 3 |
| M 121 College Algebra   | 3 |
| NRGY 101 Intro to Sustainable Energy I**                          | 3 |
| NRGY 195 Energy Practicum**                                       | 2 |
| NRGY 235 Building Energy Efficiency**                             | 3 |
| WRIT 101 English Composition <b>or</b> WRIT 121 Technical Writing | 3 |
| Energy Elective (3 credits required - see list)                   | 3 |

Certificate  
Awarded Upon  
Completion

### Suggested Schedule

|                                    |  |   |
|------------------------------------|--|---|
| <b>First Year Fall Semester</b>    | CSCI 172 Intro to Computer modeling  | 3 |
|                                    | ETEC 105 DC Circuit Analysis   | 4 |
|                                    | M 121 College Algebra  | 3 |
|                                    | NRGY 101 Intro to Sustainable Energy I   | 3 |
|                                    | WRIT 101 English Composition <b>or</b> WRIT 121 Technical Writing                | 3 |
| <b>16</b>                          |  |   |
| <b>First Year Spring Semester</b>  | BGEN 105S Intro to Business  | 3 |
|                                    | ETEC 106 AC Circuit Analysis   | 3 |
|                                    | ETEC 213 Power Systems Technology  | 3 |
|                                    | NRGY 235 Building Energy Efficiency  | 3 |
|                                    | Energy Elective  | 3 |
| <b>15</b>                          |  |   |
| <b>First Year Summer Session</b>   | ETEC 113 Circuits Lab  | 1 |
|                                    | NRGY 195 Energy Practicum  | 2 |
| <b>3</b>                           |  |   |
| <b>Second Year Fall Semester</b>   | BGEN 106S Issues in Sustainability   | 3 |
|                                    | ITS 221 Project Management   | 3 |
|                                    | M 122 College Trigonometry   | 3 |
|                                    | NRGY 102 Intro to Sustainable Energy II  | 3 |
|                                    | SCN 175N Integrated Physical Sciences I  | 3 |
| <b>3</b>                           |  |   |
| <b>Second Year Spring Semester</b> | ETEC 214 Energy Storage & Distribution   | 3 |
|                                    | NRGY 298 Internship  | 2 |
|                                    | SCN 176 Integrated Physical Sciences II <b>or</b> ENSC 105 Environmental Science | 3 |
|                                    | Energy Electives   | 9 |
|                                    | <b>17</b>  |   |

### Energy A.A.S. Requirements

|  |    |
|--|----|
| BGEN 106S Issues in Sustainability   | 3  |
| ETEC 214 Energy Storage & Distribution**   | 3  |
| ITS 221 Project Management**   | 3  |
| M 122 College Trigonometry   | 3  |
| NRGY 102 Intro to Sustainable Energy II**  | 3  |
| NRGY 298 Internship**  | 2  |
| SCN 175N Integrated Physical Sciences I  | 3  |
| SCN 176 Integrated Physical Sciences II <b>or</b> ENSC 105 Environmental Science | 3  |
| Energy Electives (12 credits required - see list)                                | 12 |

### Energy Electives (total of 15 credits required)

|   |     |
|---|-----|
| GEO 151 Fossil Fuels                    | 3   |
| NRGY 241 Alternative Fuels              | 3   |
| NRGY 242 Solar Thermal & Wind Systems   | 3   |
| NRGY 243 PV Design & Install            | 3   |
| NRGY 244 Bioenergy                      | 3   |
| NRGY 245 Fuel Cells                     | 3   |
| NRGY 246 Geothermal Energy Systems      | 3   |
| NRGY 250 Energy Finance                 | 3   |
| NRGY 260 Smart Grid Technology          | 3   |
| NRGY 270 Recycling Technology           | 4   |
| NRGY 290 Undergraduate Research         | var |
| NRGY 291 Special Topics                 | 3   |
| NRGY 292 Independent Study              | var |
| NRGY 295 Energy Technology Practicum II | 3   |
| NRGY 299 Energy Capstone                | 3   |
| General Elective (max one)              | 3   |

**\*\*Energy Core Requirements**

This sequence has been designed so that all students seeking a 60+ credit AAS in Energy Technology will also receive a 30+ credit CAS in Energy Technology within the first year.  
 C.A.S. Requirements: completion of all required courses, however, students who have completed 30+ credits may apply and appeal for a Certificate given they have completed at least one energy core.  
 Students who have completed 60+ credits may apply and appeal for a Diploma.