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| Renewable Energy Technology A.A.S. (#2098) – Typical Schedule..... | 1 |
| Renewable Energy B.Tech. (#2398) – Typical Schedule..... | 2 |

Renewable Energy Technology A.A.S. (#2098) – Typical Schedule

Year 1

Fall Semester

| | |
|----------|---|
| RENG 101 | Electrical Theory for Renewable Resources (4 cr.) |
| RENG 102 | Renewable Energy Resources (3 cr.) |
| RENG 103 | Renewable Energy Seminar (1 cr.) |
| MATH | (as advised) (3 cr.) |
| COMP 101 | Composition and Research (3 cr.) |
| NATR 103 | Natural Resources Equipment Operation* (2 cr.) |

Spring Semester

| | |
|----------|--|
| RENG 150 | Analysis Techniques for Renewable Energy (1 cr.) |
| AGEN 151 | Applied Hydraulics for Hydropower Generation (3 cr.) |
| AGEN 125 | Residential Electrification (3 cr.) |
| CHEM 110 | Contemporary Chemistry (4 cr.) |
| COMP 102 | Writing about Literature (3 cr.) |
| OFFT 110 | Intro to Spreadsheet Software (1 cr.) |

Year 2

Fall Semester

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|----------|---|
| RENG 310 | Biomass Energy Resources (3 cr.) |
| RENG 231 | Introduction to Solar Photovoltaics (3 cr.) |
| PHYS 107 | Introduction to Physics (4 cr.) |
| RESC 221 | Plumbing* (3 cr.) |
| RESC 130 | Light Framing* (3 cr.) |

Spring Semester

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|--------------|--|
| NATR 213 | Basics of Geospatial Technology (1 cr.) |
| RENG 221 | Introduction to Small Wind Systems (3 cr.) |
| AUTO 102 | Metals* (3 cr.) |
| CITA 140 | Introduction to Programming* (3 cr.) |
| HIST, WC, OW | History (as advised) (3 cr.) |
| RESC 260 | Heating and Energy Systems* (3 cr.) |

*Recommended Technical Electives:

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| AUTO 102 | Metals (welding) |
| AGEN 240 | Advanced Welding |
| BSAD 100 | Business in the 21 st century |
| BSAD 112 | Marketing |
| BSAD 116 | Business and Organization Management |
| CITA 140 | Introduction to Programming |
| ECON 100 | Intro. To Macroeconomics |
| ECON 140 | Intro. To Microeconomics |
| NATR 103 | Natural Resources Equipment Operation |
| RENG 225 | Tower Climbing and Rescue |
| RESC 130 | Light Framing |
| RESC 201 | Estimating & Planning |
| RESC 221 | Plumbing |
| RESC 260 | Heating and Energy Systems |

Year 1

Fall Semester

| | |
|----------|---|
| RENG 101 | Electrical Theory for Renewable Resources (4 cr.) |
| RENG 102 | Renewable Energy Resources (3 cr.) |
| RENG 103 | Renewable Energy Seminar (1 cr.) |
| MATH | (as advised) (3 cr.) |
| COMP 101 | Composition and Research (3 cr.) |
| OFFT 110 | Intro to Spreadsheet Software (1 cr.) |

Spring Semester

| | |
|-----------|--|
| RENG 150 | Analysis Techniques for Renewable Energy (1 cr.) |
| AGEN 151 | Applied Hydraulics for Hydropower Generation (3 cr.) |
| AGEN 125 | Residential Electrification (3 cr.) |
| NS | Nat. Science (as advised, e.g. CHEM 110) (4 cr.) |
| COMP 102 | Writing about Literature (3 cr.) |
| Elective* | Lower division elective (e.g. NATR 103) (2 cr.) |

Year 2

Fall Semester

| | |
|-----------|--|
| RENG 310 | Biomass Energy Resources (3 cr.) |
| RENG 231 | Introduction to Solar Photovoltaics (3 cr.) |
| NS | Nat. Science (as advised, e.g. PHYS 127) (4 cr.) |
| Gen Ed | As advised (e.g. social science) (3 cr.) |
| Elective* | Lower division elective (e.g. RESC 221) (3 cr.) |

Spring Semester

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|-----------|---|
| CAD 181 | Intro to Computer-Aided Drafting (1 cr.) |
| RENG 221 | Introduction to Small Wind Systems (3 cr.) |
| NS | Nat Sci. (as advised, e.g. BIOL 120) (4 cr.) |
| Elective* | Lower division elective (e.g. RENG 225) (2 cr.) |
| Gen Ed | As advised (e.g. HIST) (3 cr.) |
| Elective* | Lower division elective (e.g. AUTO 102) (3 cr.) |

Year 3

Fall Semester

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|----------|--|
| RENG 430 | Solar Photovoltaics Systems (3 cr.) |
| RENG 331 | Intro to Solar Thermal Systems (3 cr.) |
| Gen Ed | As advised (e.g. Western Civilization) (3 cr.) |
| DTEC 325 | Electrical Power Generation (3 cr.) |
| Elective | Elective (e.g. BSAD 300) (3 cr.) |

Spring Semester

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|-----------|---|
| RENG 415 | Biomass Energy Conversions – Thermochem (3 cr.) |
| RENG 435 | Advanced Topics in Solar Photovoltaics (3 cr.) |
| RENG 306 | Alternative Fuel Vehicles (2 cr.) |
| Elective* | Elective (e.g. COMP 310) (3 cr.) |
| Elective* | Elective (e.g. BSAD 400) (3 cr.) |

Year 4

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|----------|---|
| RENG 321 | Intro to Micro Hydroelectricity (3 cr.) |
| RREN 450 | Internship Orientation (1 cr.) |
| RENG 490 | Renewable Energy Internship (3 -15 cr.) |

Spring Semester

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|-----------|--|
| RENG 460 | Systems Integration (1 cr.) |
| RENG 410 | Biomass Energy Conversions – Biochemical (3 cr.) |
| RENG 420 | Small Wind Systems (3 cr.) |
| Elective* | Upper division elective (e.g. RREN 332) (3 cr.) |
| Elective* | Elective (e.g. CITA 405) (3 cr.) |

*Recommended Technical Electives (as Advised)

Lower division

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|----------|---|
| AGRO 110 | Soil Science |
| AGRO 210 | Field Crops |
| AUTO 102 | Metals (welding) |
| AGEN 161 | Basic Hydraulics |
| BSAD 116 | Business and Organization Management |
| CAD 181 | Intro to CAD |
| CAD 183 | Architectural CAD |
| CITA 120 | Computer Concepts and Operating Systems |
| CITA 140 | Introduction to Programming |
| CITA 200 | Data Communications and Networking |
| DTEC 150 | Diesel Systems |
| ENSC 101 | Agricultural Science |
| ENSC 106 | Pesticide Use and Handling |
| ENSC 107 | Integrated Pest Management |
| MECH 101 | Machine Tools |
| MECH 211 | Analytical Mechanics (Statics) |
| NATR 103 | Natural Resources Equipment Operation |
| NATR 213 | Basics of Geospatial Technology |
| RENG 225 | Tower Climbing and Rescue |
| RENG 251 | Anaerobic Digester Design and Operation |
| RESC 130 | Light Framing |
| RESC 221 | Plumbing |
| RESC 260 | Heating and Energy Systems |

Upper Division

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|----------|--|
| AGRO 310 | Pasture Mgmt. and Forage Production |
| BSAD 300 | Management Communications |
| BSAD 310 | Human Resources Management |
| BSAD 320 | Accounting for Entrepreneurs |
| BSAD 400 | Production and Operations Management |
| CITA 405 | Project Management |
| DTEC 325 | Electrical Power Generation |
| RENG 306 | Alternative Fuel Vehicles |
| RREN 303 | Fundamentals of GPS/GIS |
| RREN 305 | Renewable Resources Laws & Regulations |
| RREN 332 | Environ. Planning and Nat. Res. Mgmt. |
| STS 301 | Humans vs. Nature |