

RENEWABLE ENERGY & ECOLOGICAL DESIGN (REED)

The Green Mountain College Renewable Energy and Ecological Design Major and Sterling College's courses in sustainable living and woodworking along with Sterling's partnership with The YesterMorrow Design and Build School have strong parallels, including emphases on sustainability, ecological design, energy use, and applied hands-on projects.

At Sterling College, students can complete a REED major in two of the four concentration areas:

- Sustainable Agriculture
- Land Use

See below for major and concentration course requirements.

| Green Mountain College course | Credits | Sterling College course | Credits |
|--|---------|---|----------|
| RED1000 Ecological Design Studio | 3 | YM321 Sustainable Design (part of Yestermorrow Fall Semester) | 3 |
| RED1005 Woodshop Safety Certification | 1 | HM125A Introduction to Woodworking | 3 |
| SLA1123 Energy & Society | 3 | INT272B Introduction to Sustainable Living | 3 |
| Choose one of the following courses: | 3 | Take the following course: | |
| RED1085 REED Skills Intensives RED1100 External Practicum | | YM323 Practicum (part of Yestermorrow Fall Semester) | 3 |
| COM3055 Visual Communication for Marketing & Advocacy | 3 | Design and Visual Communication Studio (part of Yestermorrow Fall Semester) | 3 |
| RED2022 Ecological Design Thinking | 3 | YM320 Sustainable Building Systems (part of Yestermorrow Fall Semester) | 3 |
| RED2190 Mandatory Portfolio Review Spring Sophomore Year | 0 | Portfolio Review with advisor | 0 |
| RED3000 Ecological Design Studio II | 3 | By Independent Study or Natural/Sustainable Building Certificate at Yestermorrow | Variable |
| RED3100 Renewable Energy Technology & Applications | 3 | NS335 Renewable Energy Design and Analysis | 3 |
| RED3125 Design with Climate | 3 | By Independent Study or Natural/Sustainable Building Certificate at Yestermorrow | Variable |
| RED4090 Internship in REED | 3 | SS300 Practicum in Environmental Stewardship | 4-6 |

CONCENTRATION REQUIREMENTS

By fall of their junior year, students declare an area of primary concentration.

1. Art & Architecture (Not available at Sterling)
2. Sustainable Business & Entrepreneurship (Not available at Sterling)
- 3. Sustainable Agriculture**
- 4. Policy & Land Use**

SUSTAINABLE AGRICULTURE CONCENTRATION

The Sustainable Agriculture concentration allows students to integrate their REED training in energy and design with sustainable agriculture practices. This concentration is for students with an interest in designing and building sustainable farm infrastructure and systems.

| Green Mountain College course | Credits | Sterling College course | Credits |
|--|---------|--|---------|
| SFS1211 Introduction to Cerridwen Farm | 1 | Component of INT245 Integrated Farming Practicum | 12 |
| SFS1011 Fundamentals of Organic Agriculture | 3 | Component of INT245 Integrated Farming Practicum | |
| SFS1075 Farm Skills Intensives (1 credit each) | 2 | Component of INT245 Integrated Farming Practicum | |
| SFS3054 Sustainable Farming Systems | 3 | Component of INT245 Integrated Farming Practicum | |
| Choose 9 Additional Credits: | | Choose 9 Additional Credits: | |
| SLA1124 Unraveling Food Systems | 3 | SS239 Community Food Action | 3 |
| SFS2070 Sustainable Regional Food Systems | 3 | SS272A Anthropology of Food | 3 |
| SFS3020 Food and Agriculture Policy | 3 | SS312A U.S. Farm and Food Policy | 3 |
| SFS2054 Agroecology | 3 | NS122 Introduction to Agroecology | 3 |
| WFC3075 Silviculture | 3 | NS200 Watershed Ecosystem Analysis | 3 |
| GLG2031 Soils | 4 | NS247 Soil, Plants, Microbes I | 3 |
| BIO3013 Botany | 4 | NS314 Field Botany of Flowering Plants | 4 |
| | | NS348 Soil, Plants, Microbes II | 3 |
| | | INT415 Agroecology | |
| Total Concentration Credits | 18 | | 21 |

POLICY & LAND USE CONCENTRATION

The Policy & Land Use concentration equips students to join government agencies or nonprofit organization seeking to craft progressive policies design to encourage sustainable design practices and renewable energy use.

| Green Mountain College course | Credits | Sterling College course | Credits |
|--|-----------|---|-----------|
| ECO2023 Economics of the Environment | 3 | SS210 Economics and the Environment | 3 |
| ENV2011 Public Policy and the Environment | 3 | SS202 Environmental Policy and Law | 3 |
| ENV3016 Land Use Planning | 3 | SS310 Land Use Planning | 3 |
| Choose 9 additional credits: | | Choose 9 additional credits: | |
| PHI3007 Topics in Social and Political Philosophy | 3 | NS200 Watershed Ecosystem Analysis | 3 |
| PHI4011 Philosophy of Law | 3 | SS308 Introduction to GIS | 3 |
| ENV3011 Environmental Law | 3 | SS335 Leadership and Social Change | 3 |
| SLA2023 Environmental Justice | 3 | SS380/382A Community Organizing for Social and Political Action | 3 |
| ENV/SLA2045 International Negotiation & Environment | 3 | SS422 Security, Sovereignty, and Food Justice | 3 |
| ENV2010 Introduction to Geographic Information Systems | 3 | INT381 Guatemala: Mesoamerican Food Sovereignty | 4 |
| ENV3014 Watershed Management & Policy | 3 | INT472 Environmental Justice: Beyond Borders | 3 |
| Total Concentration Credits | 18 | | 18 |

In addition, all students are required to complete 33 credits of upper division work (300-400 level courses) and meet the [Sustainable Liberal Arts](#) requirements.