



## Crookston Campus

# Sustainability Minor

*Math, Science and Technology*

## Academic Affairs

- Program Type: Undergraduate free-standing minor
- Requirements for this program are current for Spring 2023
- Required credits in this minor: 22 to 24

The minor in sustainability is designed to provide students with a fundamental understanding of the three pillars of sustainability-economic growth, environmental stewardship, and social progress-allowing graduates to fully understand, articulate, and implement sustainable practices that will help our society face sustainability-related challenges.

## Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)
- completely online (all program coursework can be completed online)

## Minor Requirements

### Core

Take 5 or more course(s) totaling 13 or more credit(s) from the following:

- [BM 3008](#) - Sustainability and Compliance (3.0 cr)
- [ENSC 3003](#) - Sustainable YoU, Sustainable World [GLOB PERSP, PEOPLE/ENV] (3.0 cr)
- [NATR 1226](#) - Environmental Science and Sustainability [BIOL SCI, PEOPLE/ENV] (3.0 cr)
- [SUST 3900](#) - Sustainability Field Experience (2.0 cr)
- [SUST 4100](#) - Sustainability Capstone (2.0 cr)

### Economics and Public Policy Electives

Take 3-4 credits from the following:

- [BM 3025](#) - Lean Manufacturing (4.0 cr)
- or [FIN 3120](#) - Money, Financial Markets and Institutions (3.0 cr)
- or [FIN 3125](#) - Investments (3.0 cr)
- or [NATR 3344](#) - Land Use Planning (3.0 cr)
- or [NATR 4699](#) - Integrated Resource Management (3.0 cr)

### Social Science and Humanities Electives

Take 3 credits from the following:

- [PUBH 3331](#) - Health Equity and Social Determinants (3.0 cr Rochester) or
- [COMM 3001](#) - Human Relationships and Leadership [HUMAN DIV] (3.0 cr)
- or [COMM 3431](#) - Persuasion (3.0 cr)
- or [COMM 4802](#) - Publication Design and Management (3.0 cr)
- or [GBUS 3500](#) - Business Ethics (3.0 cr)
- or [HSM 2710](#) - Health Determinants and Disparities [HUMAN DIV] (3.0 cr)
- or [PHIL 2002](#) - Introduction to Ethics [HUMANITIES, ETH/CIV RE] (3.0 cr)

### Stewardship through Technology and Design

Take 3-4 credits from the following:

- [BBE 3201](#) Sustainability of Food Systems: A Life Cycle Perspective (3.0 cr Twin Cities) or
- [ANSC 3004](#) - Livestock Facilities and Environmental Systems (3.0 cr)
- or [ASM 3360](#) - Applications in Precision Agriculture (2.0 cr)
- or [BIOL 3420](#) - Ecotoxicology (3.0 cr)
- or [BIOL 3722](#) - Limnology (3.0 cr)
- or [ENSC 3124](#) - Environmental Science and Remediation Techniques (3.0 cr)
- or [ENSC 4022](#) - Risk Assessment and Environmental Impact Statements (3.0 cr)
- or [GNAG 3203](#) - Ag Products and Processing (3.0 cr)
- or [HORT 3030](#) - Landscape Design (4.0 cr)
- or [ITM 3733](#) - Green Technology Solutions [PEOPLE/ENV] (3.0 cr)
- or [NATR 3374](#) - Ecology [BIOL SCI] (4.0 cr)
- or [SWM 3224](#) - Soil and Water Conservation (4.0 cr)
- or [SWM 3225](#) - Watershed Management (3.0 cr)



## Program Sub-plans

A sub-plan is not required for this program.

### Online

The online minor in sustainability is designed to provide students with a fundamental understanding of the three pillars of sustainability-economic growth, environmental stewardship, and social progress-allowing graduates to fully understand, articulate, and implement sustainable practices that will help our society face sustainability-related challenges.

The sustainability minor online degree has identical degree requirements as the sustainability minor on-campus degree.