

# SUSTAINABLE PRODUCT DESIGN AND INNOVATION

## Bachelor of Science (124 cr)

Keene State College

2009-2010 Catalog

*Meet with a faculty advisor in SPDI to discuss your academic plans.  
This sheet is for general advising purposes only.*

### MAJOR REQUIREMENTS (64 credits)

#### SPDI Core Courses (28 credits)

- SPDI 110 Electricity & Electronic Fundamentals
- SPDI 152 Product Design I
- SPDI 180 Metal Processes & Prototyping
- SPDI 221 3-Dimensional CADD
- SPDI 253 Materials: A Life-Cycle View
- SPDI 252 Product Design II
- SPDI 352 Product Design III

#### Management Courses (16 credits)

- MGT 101 Introduction to Management
- MGT 202 Quantitative Decision Making\*
- MGT 213 Financial Accounting

*Select one of the following:*

- MGT 331 Principles of Marketing **-or-**  MGT 446 Competitive Manufacturing Mgt.

#### SPDI/MGT Electives (Select 4 credits from the following courses)

- SPDI 121 Drafting, Sketching, and CADD
- SPDI 170 Introduction to Woodworking Technology
- SPDI 270 Woodworking Processes
- SPDI 280 CAD/CAM Using MasterCAM
- MGT 451 Social, Legal, and Political Environment of Business
- SPDI 290/490 Special Topics/Advanced Special Topics
- SPDI 298/498 Independent Study
- SPDI 495 Seminar

#### Allied Discipline Courses (12 credits)

- IAART 103 Three-Dimensional Design
- SAFE 204 Human Factors in Safety

*Select at least one*  MATH 120 Applied Algebra and Trigonometry

*Math course:*  MATH 130 Precalculus  MATH 151 Calculus I

#### SPDI Capstone Course (4 credits)

- SPDI 400 Manufacturing Enterprise

#### Cooperative Education Experiences are recommended:

- SPDI 294/494 Cooperative Education/Adv. Cooperative Education (elective credit)

*I-prefixed courses may also be used to fulfill Integrative Studies requirements; credits count once.*

*\*MGT 202 will fulfill the Integrative Studies Program IQL requirement; credits count once.*

# Integrative Studies Program (ISP) Requirements: 44 cr

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*Integrative Studies classes will make up one-third of your undergraduate education. With both lower- and upper-level requirements, these classes are meant to be taken across your four years. Don't just fill in the blanks, look for classes that intrigue you.*

## Foundations

- ITW: Thinking & Writing** (Take in either your first or second semester.)
- IQL: Quantitative Literacy** (Take within your first three semesters.)

## Perspectives

*Only **one** course in any single discipline can be used to fulfill your Integrative Studies requirements within the **Perspectives** area. Disciplines are shown below in **BOLD** (such as **INBIO**) and may appear in more than one category (such as **IAENG** and **IHENG**). Write the course number and title of the classes you are taking in the spaces below. To review majors, courses and additional information, go to the on-line catalog: [www.keene.edu/catalog](http://www.keene.edu/catalog).*

**IA: Arts** – *One course beginning with IA: IAART, IAENG, IAMU or IATAD.*

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**IH: Humanities** – *Two courses in two different disciplines beginning with IH: IHAMST, IHCOMM, IHENG, IHFILM, IHFR, IHGER, IHHGS, IHHIST, IHJRN, IHPHIL, IHSP.*

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**IA/IH: One additional course in either Arts or Humanities in a discipline not used above.**

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**IN: Natural Sciences** – *Two courses in two different disciplines beginning with IN: INASTR, INBIO, INCHEM, INGEOL, INMET or INPHYS.*

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**IS: Social Sciences** – *Two courses in two different disciplines beginning with IS: ISANTH, ISECON, ISGEOG, ISPOSC, ISPYSC or ISSOC.*

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## Interdisciplinary

**II: One course in any discipline** (even if already used in **Perspectives**) beginning with **II**:

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**NOTE:** *In ISP, all students must complete a minimum of 24 credits at the 100-200 level and a minimum of 8 credits at the 300-400 level. A total of 24 100-200 level ISP credits (including both ITW and IQL) must be completed before taking a 300-400 level class.*

*Check your major requirements to see if any may also be used to fulfill an Integrative Studies requirement (look for the "I" prefix). Remember, however: credits count **once**.*