

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.*

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

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.

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:

NOTE: *In ISP, all students must complete a minimum of 28 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**.*