INTEGRATED MATH AND SCIENCE
College of Science and Health
Bachelor of Arts; INTEGRATED MATH AND SCIENCE
Incoming students Fall 2011 (UCC)

UCC REQUIREMENTS [40-41 credits]

AREA 1: PERSONAL WELLBEING [3]
- 3 cred.

AREA 2: EXPRESSION [9]
- a. Arts/Communication
- 3 cred.
- b. Writing
  - ENG 1100 College Writing
  - 3 cred.
- c. Literature
  - 3 cred.

AREA 3: WAYS OF KNOWING [19-20]
- a. Philosophical Perspectives
  - 3 cred.
- b. Historical Perspectives
  - 3 cred.
- c. Social/Behavioral Science (2 different disciplines)
  - 3 cred.
  - 3 cred.
- d. Scientific Perspectives (choose 1 of the following)
  - PHYS 1700 General Astronomy
  - 4 cred.
- e. Quantitative Thinking
  - MATH 1160 Pre-Calc. or MATH 1350 Algebra, Trig. & Functions

AREA 4: DIVERSITY & JUSTICE [3]
- Must complete 18 credits in UCC prior to taking Area 4
- 3 cred.

AREA 5: CIVIC & COMMUNITY ENGAGEMENT [3]
- MUST COMPLETE Area 4 before taking Areas 5&6
- 3 cred.

AREA 6: GLOBAL AWARENESS [3]
- MUST COMPLETE Area 4 before taking Areas 5&6
- 3 cred.

FIRST YEAR SEMINAR [1.5]
- Required for 1st year students & transfers with less than 12 credits
- 1.5 cred.

INTENSIVE REQUIREMENTS
- These courses can be double counted within the UCC, the major, or as free electives. If you are a transfer with an AA/AS degree you must take one WI course and zero TI courses.

WRITING INTENSIVE (WI) *W
- The first WI course must be Area 2 College Writing
- At least one course must be at the 3000 or above level
  - ENG 1100 College Writing
  - 3 cred.
  - CSH 4500 Seminar in Integrated Math & Sci.
  - 3 cred.
  - 3 cred.

TECHNOLOGY INTENSIVE (TI) *T
- 3 cred.
- 3 cred.

UNIVERSITY REQUIREMENTS
- FOREIGN LANGUAGE [6]
- 3 cred.
- 3 cred.

LIBERAL STUDIES: INTEGRATED MATH AND SCIENCE:
- There are four tracks, BIOLOGY, CHEMISTRY, ENVIRONMENTAL SCIENCE, and MATH

BIOLOGY TRACK CORE [34 cred.]
- BIO 1630 General Biology I
- BIO 1640 General Biology II
- CHEM 1600 General Chemistry I
- CHEM 1620 General Chemistry II
- CS 2010 Computers and Information Technology*T
- ENV 1100 Environmental Sustainability
- MATH 2300 Statistics
- PHYS 1100 Intro to Physics
- CSH 4500 Seminar in Integrated Science*W

BIOLOGY TRACK REQUIREMENTS [11-12 cred.]
- BIO 2060 General Genetics
- BIO 2490 Ecology, Evolution, Behavior
- Any one 2000 – 4000 level BIO major course

CHEMISTRY TRACK [34 cred.]
- BIO 1140 Applied Anatomy & Physiology
- BIO 1300 Field Biology
- CHEM 1600 General Chemistry I
- CHEM 1620 General Chemistry II
- CS 2010 Computers and Information Technology*T
- ENV 1100 Environmental Sustainability
- MATH 2300 Statistics
- PHYS 1100 Intro to Physics
- CSH 4500 Seminar in Integrated Science*W

CHEMISTRY TRACK REQUIREMENTS [11 – 12 cred.]
- CHEM 2570 Organic Chemistry I Lect. & Lab
- CHEM 2580 Organic Chemistry II Lect. & Lab
- Any one 2000 – 3000 level CHEM major course

FOR NON-EDUCATION STUDENTS – Electives by Advisement 14-15 credits

OVER ➔

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<tr>
<th>ENVIRONMENTAL SCIENCE TRACK CORE [34 cred.]</th>
<th>MATH TRACK CORE [34 cred.]</th>
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<tr>
<td>• BIO 1140 Applied Anatomy &amp; Physiology</td>
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**ENV. SCI. TRACK REQUIREMENTS** [13 cred.]

- ENV 1150 General Geology
- ENV 2160 Introduction to Oceanography
- ENV 3750 Soils in the Environment
- Any one 2000 – 4000 level ENV major course

**MATH TRACK REQUIREMENTS** [13 cred.]

- MATH 1610 Calculus II
- MATH 2000 Logic
- MATH 2020 Linear Algebra
- MATH 3230 Foundations of Geometry

**FOR NON-EDUCATION STUDENTS** – Electives by Advisement 14-15 credits