B.S. Informatics
For students starting at IUB Summer 2013-Spring 2014

IUB General Education Common Ground

Foundations
- English Composition (EC) 3
- Mathematical Modeling (MM) 3

Breadth of Inquiry
- Arts & Humanities (A&H) 6
- Social & Historical (S&H) 6
- Natural & Mathematical Sciences (N&M) 5-6

World Languages (WL) & Cultures (WC) 6

English Composition and Intensive Writing (6 credits)
- ENG-W 131, ENG-W 170, or CMLT-C 110 (EC; C or higher required to fulfill School requirement)
- Intensive Writing (see advisor for approved list; C or higher required)

Math Modeling/Quantitative & Analytical Skills (6 credits)
- MATH-M 118, A118, S118, V118, D116-D117 (MM; C or higher required to fulfill School requirement)
- Statistics (see Bulletin for approved list)

Arts & Humanities and Social & Historical (12 credits)
Select at least two courses for at least 6 credits from each area

- Arts & Humanities (A&H)
- Social & Historical (S&H)

Natural & Mathematical Sciences (8-9 credits)
Three courses (three credits each) or two courses where one is a 5 credit course with a lab component and the other is a 3 credit course. INFO-I 101 and Finite may not double-count toward this requirement. To fulfill Common Ground N&M, at least one course must be a natural science (indicated by an asterisk in Common Ground N&M course list).

- Ethics (3 credits) PHIL-P140, PHIL-P242, PHIL-P340, REL-R170 or INFO-I 453 (senior-level course and may not be offered regularly). Courses taken to fulfill Ethics requirement do not double-count as A&H.

World Languages and Cultures (3-14 credits) choose one of the following options:
1. Language Study: Two world language courses (same language) at the second year level, or equivalent proficiency (WL)
2. World Cultures: Two approved World Cultures courses (WC)
3. International Experience: An approved study abroad program for at least 6 credit hours outside of the US (WL/WC)

- You must receive a grade of C- or higher in all major, cognate, and minor courses, and a C or higher in Intensive Writing. A grade of C or higher is required in INFO-I 101, ENG-W 131, and Finite for admission to the School of Informatics and Computing.
- Please note that many courses have prerequisite requirements. It is the student's responsibility to fulfill these requirements.
- These requirements are for informational purposes only and subject to revision. Refer to the SoIC Undergraduate Bulletin for detailed information on these requirements and official graduation requirements.
Informatics Major *(Minimum grade of C- in all Informatics core courses, electives, capstone, and cognate courses)*

**Informatics Core Courses (26 credits)**

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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>INFO I101</td>
<td>Introduction to Informatics (C or higher required)</td>
<td>4</td>
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<tr>
<td>INFO I201</td>
<td>Mathematical Foundations of Informatics (P: INFO-I101; MATH-M118)</td>
<td>4</td>
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<td>INFO I202</td>
<td>Social Informatics (P: INFO-I101)</td>
<td>3</td>
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<td>INFO I210</td>
<td>Information Infrastructure I (P: INFO-I201)</td>
<td>4</td>
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<td>INFO I211</td>
<td>Information Infrastructure II (P: INFO-I210)</td>
<td>4</td>
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<td>INFO I300</td>
<td>Human-Computer Interaction (P: INFO-I202)</td>
<td>3</td>
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<td>INFO I308</td>
<td>Information Representation (P: INFO-I210)</td>
<td>3</td>
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<td>INFO Y395</td>
<td>Career Development for Informatics Majors</td>
<td>1</td>
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**Advanced Informatics Courses (6 credits)**

*Two courses at the 300 level or higher in INFO or CSCI-C. Courses required by the core or taken to fulfill cognate requirements do not double-count here.*

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**Informatics Electives (6 credits)**

*Two courses at the 300 level or higher from INFO, CSCI, or an approved outside area. Consult your advisor, AAR, or Bulletin for approved courses outside of Informatics. Courses required by the core or taken to fulfill cognate requirements do not double-count here.*

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**Capstone: select one of the following options (6 credits)**

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<th>Title</th>
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<tbody>
<tr>
<td>INFO I494-495</td>
<td>Design and Development of Information Systems (P: Senior Standing)</td>
<td>3-3</td>
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<td>INFO I492-493</td>
<td>Senior Thesis (P: Senior Standing)</td>
<td>3-3</td>
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<tr>
<td>INFO I491</td>
<td>Capstone Project Internship</td>
<td>6</td>
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**Cognate (15-18 credits)**

Cognate:  

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