Informatics, MS

Academic Plans

Sample Plans of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Informatics, MS

- Geoinformatics Subprogram [p. 1]
- Health Informatics Subprogram [p. 1]
- Human-Computer Interaction Subprogram [p. 2]

Geoinformatics Subprogram

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Career Any Semester</td>
<td></td>
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<tr>
<td>31 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Year Fall</td>
<td></td>
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<tr>
<td>BIOS:4120 or STAT:4143</td>
<td>Introduction to Biostatistics or Introduction to Statistical Methods</td>
<td>3</td>
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<tr>
<td>CS:5110</td>
<td>Introduction to Informatics</td>
<td>3</td>
</tr>
<tr>
<td>Geoinformatics Cognate course b</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Hours</td>
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</tr>
<tr>
<td>Spring</td>
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<tr>
<td>STAT:4540 or BAIS:6480</td>
<td>Statistical Learning or Knowledge Discovery</td>
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<tr>
<td>CS:5980</td>
<td>Topics in Computer Science III c</td>
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</tr>
<tr>
<td>GEOG:4580</td>
<td>Introduction to Geographic Databases</td>
<td>3</td>
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<tr>
<td>GEOG:5055</td>
<td>Geospatial Programming</td>
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<tr>
<td>Hours</td>
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<tr>
<td>Second Year Fall</td>
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<td></td>
</tr>
<tr>
<td>GEOG:5540</td>
<td>Geographic Visualization</td>
<td>3</td>
</tr>
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<td>Geoinformatics Cognate course b</td>
<td>3</td>
<td></td>
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<tr>
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</tr>
<tr>
<td>Spring</td>
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<td></td>
</tr>
<tr>
<td>Geoinformatics Cognate course b</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Verify completion of all degree requirements</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Hours</td>
<td>3</td>
<td></td>
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<tr>
<td>Total Hours</td>
<td>31</td>
<td></td>
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</tbody>
</table>

Health Informatics Subprogram

<table>
<thead>
<tr>
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<th>Hours</th>
</tr>
</thead>
<tbody>
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<td></td>
</tr>
<tr>
<td>First Year Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOS:4120</td>
<td>Introduction to Biostatistics</td>
<td>3</td>
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<tr>
<td>CS:4400 or GEOG:4580</td>
<td>Database Systems or Introduction to Geographic Databases</td>
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<tr>
<td>CS:5110</td>
<td>Introduction to Informatics</td>
<td>3</td>
</tr>
<tr>
<td>Hours</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STAT:4540 or BAIS:6480</td>
<td>Statistical Learning or Knowledge Discovery</td>
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<tr>
<td>GEOG:5055 or CS:3980 or CS:3210</td>
<td>Geospatial Programming or Topics in Computer Science I or Programming Languages and Tools</td>
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<tr>
<td>CS:5980</td>
<td>Topics in Computer Science III c</td>
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</tr>
<tr>
<td>Health Informatics Cognate course c</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Hours</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Second Year Fall</td>
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<td></td>
</tr>
<tr>
<td>GEOG:5540 or CS:4500 or CS:4510</td>
<td>Geographic Visualization or Research Methods in Human-Computer Interaction or Human-Computer Interaction for Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>Health Informatics Cognate course c</td>
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a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.

b Typically this course is offered in spring semesters only. Check MyUI for course availability since offerings are subject to change.

c See the General Catalog for list of approved courses.

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# Human-Computer Interaction Subprogram

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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any Semester</td>
<td>CS:5110</td>
<td>Introduction to Informatics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GEOG:4580 or CS:4400</td>
<td>Introduction to Geographic Databases or Database Systems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BIOS:4120 or STAT:4130</td>
<td>Introduction to Biostatistics or Introduction to Statistical Methods</td>
<td>3</td>
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</tbody>
</table>

**Hours** 0

## First Year

### Fall

- **CS:5110** Introduction to Informatics 3
- **GEOG:4580** Introduction to Geographic Databases or Database Systems 3
- **BIOS:4120** Introduction to Biostatistics or Introduction to Statistical Methods 3

**Hours** 9

### Spring

- **BIS:6480** or **STAT:4540** Knowledge Discovery or Statistical Learning 3
- **GEOG:5055** Geospatial Programming or Programming Languages and Tools or Topics in Computer Science I 3
- **CS:4500** or **GEOG:5540** or **CS:4510** Research Methods in Human-Computer Interaction or Geographic Visualization or Human-Computer Interaction for Computer Science 3
- **CS:5980** Topics in Computer Science III 1

**Hours** 10

## Second Year

### Fall

- Human-Computer Interaction Cognate course 3
- Human-Computer Interaction Cognate course 3
- Human-Computer Interaction Cognate course 3

**Hours** 9

### Spring

- Human-Computer Interaction Cognate course 3
- Verify completion of all degree requirements 3

**Hours** 3

**Total Hours** 31

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