

# Informatics, M.S.

## 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, M.S.

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

### Geoinformatics Subprogram

Course	Title	Hours
<b>Academic Career</b>		
<b>Any Semester</b>		
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. <sup>a</sup>		
<b>Hours</b>		<b>0</b>
<b>First Year</b>		
<b>Fall</b>		
CS:5110	Introduction to Informatics	3
Geoinformatics Cognate course <sup>b</sup>		3
BIOS:4120	Introduction to Biostatistics	3
or STAT:4143	or Introduction to Statistical Methods	
<b>Hours</b>		<b>9</b>
<b>Spring</b>		
BAIS:6480	Knowledge Discovery	3
or STAT:4540	or Statistical Learning	
GEOG:5055	Geospatial Programming	3
GEOG:4580	Introduction to Geographic Databases	3
CS:5980	Topics in Computer Science III <sup>c</sup>	1
<b>Hours</b>		<b>10</b>
<b>Second Year</b>		
<b>Fall</b>		
GEOG:5540	Geographic Visualization	3
or CS:4510	or Human-Computer Interaction for Computer Science	
or CS:4500	or Research Methods in Human-Computer Interaction	
Health Informatics Cognate course <sup>b</sup>		3
Health Informatics Cognate course <sup>b</sup>		3
<b>Hours</b>		<b>9</b>
<b>Spring</b>		
Health Informatics Cognate course <sup>b</sup>		3
Verify completion of all degree requirements		
<b>Hours</b>		<b>3</b>
<b>Total Hours</b>		<b>31</b>

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 Take four courses from IGPI:3010, IGPI:3500, IGPI:3520, GEOG:3570, IGPI:4150.

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

### Health Informatics Subprogram

Course	Title	Hours
<b>Academic Career</b>		
<b>Any Semester</b>		
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. <sup>a</sup>		
<b>Hours</b>		<b>0</b>
<b>First Year</b>		
<b>Fall</b>		
CS:5110	Introduction to Informatics	3
GEOG:4580	Introduction to Geographic Databases	3
or CS:4400	or Database Systems	
BIOS:4120	Introduction to Biostatistics	3
<b>Hours</b>		<b>9</b>
<b>Spring</b>		
STAT:4540	Statistical Learning	3
or BAIS:6480	or Knowledge Discovery	
CS:3980	Topics in Computer Science I	3
or CS:3210	or Programming Languages and Tools	
or GEOG:5055	or Geospatial Programming	
Health Informatics Cognate course <sup>b</sup>		3
CS:5980	Topics in Computer Science III <sup>c</sup>	1
<b>Hours</b>		<b>10</b>
<b>Second Year</b>		
<b>Fall</b>		
GEOG:5540	Geographic Visualization	3
or CS:4510	or Human-Computer Interaction for Computer Science	
or CS:4500	or Research Methods in Human-Computer Interaction	
Health Informatics Cognate course <sup>b</sup>		3
Health Informatics Cognate course <sup>b</sup>		3
<b>Hours</b>		<b>9</b>
<b>Spring</b>		
Health Informatics Cognate course <sup>b</sup>		3
Verify completion of all degree requirements		
<b>Hours</b>		<b>3</b>
<b>Total Hours</b>		<b>31</b>

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 Take four courses from BMB:3310, BIOS:5120, CS:4470, EPID:4400, IGPI:5220.

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

## Human-Computer Interaction Subprogram

Course	Title	Hours
<b>Academic Career</b>		
<b>Any Semester</b>		
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. <sup>a</sup>		
<b>Hours</b>		<b>0</b>
<b>First Year</b>		
<b>Fall</b>		
CS:5110	Introduction to Informatics	3
GEOG:4580 or CS:4400	Introduction to Geographic Databases or Database Systems	3
STAT:4143 or BIOS:4120	Introduction to Statistical Methods or Introduction to Biostatistics	3
<b>Hours</b>		<b>9</b>
<b>Spring</b>		
STAT:4540 or BAIS:6480	Statistical Learning or Knowledge Discovery	3
CS:3210 or GEOG:5055 or CS:3980	Programming Languages and Tools or Geospatial Programming or Topics in Computer Science I	3
CS:4500 or CS:4510 or GEOG:5540	Research Methods in Human-Computer Interaction or Human-Computer Interaction for Computer Science or Geographic Visualization	3
CS:5980	Topics in Computer Science III <sup>b</sup>	1
<b>Hours</b>		<b>10</b>
<b>Second Year</b>		
<b>Fall</b>		
Human-Computer Interaction Cognate course <sup>c</sup>		3
Human-Computer Interaction Cognate course <sup>c</sup>		3
Human-Computer Interaction Cognate course <sup>c</sup>		3
<b>Hours</b>		<b>9</b>
<b>Spring</b>		
Human-Computer Interaction Cognate course <sup>c</sup>		3
Verify completion of all degree requirements		
<b>Hours</b>		<b>3</b>
<b>Total Hours</b>		<b>31</b>

<sup>a</sup> 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.

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

<sup>c</sup> See the General Catalog for list of approved courses.