

# 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

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>		
STAT:4143 or BIOS:4120	Introduction to Statistical Methods or Introduction to Biostatistics	3
CS:5110	Introduction to Informatics	3
	Programming course <sup>b</sup>	3
<b>Hours</b>		<b>9</b>
<b>Spring</b>		
BAIS:6480 or STAT:4540	Knowledge Discovery or Statistical Learning	3
CS:4400 or SEES:4580	Database Systems or Introduction to Geographic Databases	3
CS:5980	Topics in Computer Science III <sup>c</sup>	1
SEES:3500	Introduction to Environmental Remote Sensing	3
<b>Hours</b>		<b>10</b>
<b>Second Year</b>		
<b>Fall</b>		
CS:4510 or CS:4500 or SEES:3540	Human-Computer Interaction for Computer Science or Research Methods in Human-Computer Interaction or Geographic Visualization	3
SEES:3520	GIS for Environmental Applications	3
<b>Hours</b>		<b>6</b>
<b>Spring</b>		
SEES:3570	Light Detection and Ranging (LiDAR): Principles and Applications	3
SEES:4150	Health and Environment: GIS Applications	3
<b>Hours</b>		<b>6</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 Choose from CS:3010, CS:3210, CS:3980, SEES:3050.

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>		
STAT:4540 or BIOS:4120	Statistical Learning or Introduction to Biostatistics	3
CS:4400 or SEES:4580	Database Systems or Introduction to Geographic Databases	3
CS:5110	Introduction to Informatics	3
<b>Hours</b>		<b>9</b>
<b>Spring</b>		
BAIS:6480 or STAT:4540	Knowledge Discovery or Statistical Learning	3
CS:5980	Topics in Computer Science III <sup>b</sup>	1
	Health informatics course <sup>c</sup>	3
	Programming course <sup>d</sup>	3
<b>Hours</b>		<b>10</b>
<b>Second Year</b>		
<b>Fall</b>		
CS:4500 or SEES:3540 or CS:4510	Research Methods in Human-Computer Interaction or Geographic Visualization or Human-Computer Interaction for Computer Science	3
	Health informatics course <sup>c</sup>	3
<b>Hours</b>		<b>6</b>
<b>Spring</b>		
	Health informatics course <sup>c</sup>	3
	Health informatics course <sup>c</sup>	3
<b>Hours</b>		<b>6</b>
<b>Total Hours</b>		<b>31</b>

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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.

d Choose from CS:3010, CS:3210, CS:3980, SEES:3050.

## Human-Computer Interaction Subprogram

Course	Title	Hours
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### Academic Career

#### Any Semester

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>
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#### First Year

##### Fall

BIOS:4120 or STAT:4143	Introduction to Biostatistics or Introduction to Statistical Methods	3
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SEES:4580 or CS:4400	Introduction to Geographic Databases or Database Systems	3
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CS:5110	Introduction to Informatics	3
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<b>Hours</b>	<b>9</b>
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##### Spring

BAIS:6480 or STAT:4540	Knowledge Discovery or Statistical Learning	3
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CS:4510 or SEES:3540 or CS:4500	Human-Computer Interaction for Computer Science or Geographic Visualization or Research Methods in Human-Computer Interaction	3
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CS:5980	Topics in Computer Science III <sup>b</sup>	1
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Programming course <sup>c</sup>		3
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<b>Hours</b>	<b>10</b>
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#### Second Year

##### Fall

Human-computer interaction course <sup>d</sup>		3
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Human-computer interaction course <sup>d</sup>		3
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<b>Hours</b>	<b>6</b>
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##### Spring

Human-computer interaction course <sup>d</sup>		3
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Human-computer interaction course <sup>d</sup>		3
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<b>Hours</b>	<b>6</b>
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<b>Total Hours</b>	<b>31</b>
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c Choose from CS:3010, CS:3210, CS:3980, SEES:3050.

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