

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
- Health Informatics Subprogram
- Human-Computer Interaction Subprogram

Geoinformatics Subprogram

| Course | Title | Hours |
|---|---|-----------|
| 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. ^a | | |
| Hours | | 0 |
| First Year | | |
| Fall | | |
| BIOS:4120 or STAT:4143 | Introduction to Biostatistics or Introduction to Statistical Methods | 3 |
| CS:5110 | Introduction to Informatics | 3 |
| Programming course ^b | | 3 |
| Hours | | 9 |
| Spring | | |
| BAIS:6480 or STAT:4540 | Knowledge Discovery or Statistical Learning | 3 |
| SEES:4580 or CS:4400 | Introduction to Geographic Databases or Database Systems | 3 |
| CS:5980 | Topics in Computer Science III ^c | 1 |
| SEES:3500 | Introduction to Environmental Remote Sensing | 3 |
| Hours | | 10 |
| Second Year | | |
| Fall | | |
| 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 |
| SEES:3520 | GIS for Environmental Applications | 3 |
| Hours | | 6 |
| Spring | | |
| SEES:3570 | Light Detection and Ranging (LiDAR): Principles and Applications | 3 |

| | | |
|--------------------|--|-----------|
| SEES:4150 | Health and Environment: GIS Applications | 3 |
| Hours | | 6 |
| Total Hours | | 31 |

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 |
|---|---|-----------|
| 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. ^a | | |
| Hours | | 0 |
| First Year | | |
| Fall | | |
| STAT:4540 or BIOS:4120 | Statistical Learning or Introduction to Biostatistics | 3 |
| SEES:4580 or CS:4400 | Introduction to Geographic Databases or Database Systems | 3 |
| CS:5110 | Introduction to Informatics | 3 |
| Hours | | 9 |
| Spring | | |
| STAT:4540 or BAIS:6480 | Statistical Learning or Knowledge Discovery | 3 |
| CS:5980 | Topics in Computer Science III ^b | 1 |
| Health informatics course ^c | | 3 |
| Programming course ^d | | 3 |
| Hours | | 10 |
| Second Year | | |
| Fall | | |
| SEES:3540 or CS:4500 or CS:4510 | Geographic Visualization or Research Methods in Human-Computer Interaction or Human-Computer Interaction for Computer Science | 3 |
| Health informatics course ^c | | 3 |
| Hours | | 6 |
| Spring | | |
| Health informatics course ^c | | 3 |
| Health informatics course ^c | | 3 |
| Hours | | 6 |
| Total Hours | | 31 |

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

Human-Computer Interaction Subprogram

| Course | Title | Hours |
|---|---|-----------|
| 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. ^a | | |
| Hours | | 0 |
| First Year | | |
| Fall | | |
| BIOS:4120 or STAT:4143 | Introduction to Biostatistics or Introduction to Statistical Methods | 3 |
| SEES:4580 or CS:4400 | Introduction to Geographic Databases or Database Systems | 3 |
| CS:5110 | Introduction to Informatics | 3 |
| Hours | | 9 |
| Spring | | |
| BAIS:6480 or STAT:4540 | Knowledge Discovery or Statistical Learning | 3 |
| 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 |
| CS:5980 | Topics in Computer Science III ^b | 1 |
| Programming course ^c | | 3 |
| Hours | | 10 |
| Second Year | | |
| Fall | | |
| Human-computer interaction course ^d | | 3 |
| Human-computer interaction course ^d | | 3 |
| Hours | | 6 |
| Spring | | |
| Human-computer interaction course ^d | | 3 |
| Human-computer interaction course ^d | | 3 |
| Hours | | 6 |
| Total Hours | | 31 |

- 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 Choose from CS:3010, CS:3210, CS:3980, SEES:3050.
- d See the General Catalog for list of approved courses.