

Informatics, Graduate Certificate

Requirements

The graduate Certificate in Informatics requires 19 s.h. of graduate credit. Students must earn a g.p.a. of at least 3.00 in certificate coursework. The certificate program is designed for students enrolled in University of Iowa graduate degree programs who wish to study informatics as a complement to their degree program and for nondegree students who are interested in increasing their knowledge of informatics.

The Certificate in Informatics requires the following coursework.

Required Courses

Programming

| Code | Title | Hours |
|-------------------------|---------------------------------|-------|
| This course: | | |
| CS:5110/IGPI:5110 | Introduction to Informatics | 3 |
| One of these: | | |
| CS:3210 | Programming Languages and Tools | 3 |
| CS:3980 | Topics in Computer Science I | 3 |
| GEOG:5055/ IGPI:5055 | Geospatial Programming | 3 |

Statistics

| Code | Title | Hours |
|-------------------------|-------------------------------------|-------|
| One of these: | | |
| BIOS:4120 | Introduction to Biostatistics | 3 |
| STAT:4143/ PSQF:4143 | Introduction to Statistical Methods | 3 |

Data Science

| Code | Title | Hours |
|--------------------------------------|----------------------|-------|
| One of these: | | |
| BAIS:4480/ ECE:4480 | Knowledge Discovery | 3 |
| STAT:4540/ IGPI:4540 | Statistical Learning | 3 |
| An approved course (consult advisor) | | 3 |

Databases

| Code | Title | Hours |
|-------------------------|--------------------------------------|-------|
| One of these: | | |
| CS:4400 | Database Systems | 3 |
| GEOG:4580/ IGPI:4581 | Introduction to Geographic Databases | 3 |

Human Factors

| Code | Title | Hours |
|---------------|--|-------|
| One of these: | | |
| CS:4500 | Research Methods in Human-Computer Interaction | 3 |

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| CS:4510 | Human-Computer Interaction for Computer Science | 3 |
| GEOG:5540/ IGPI:5540 | Geographic Visualization | 3 |

Ethics

| Code | Title | Hours |
|--------------|--------------------------------|-------|
| This course: | | |
| CS:5980 | Topics in Computer Science III | 1 |

For more information about certificate requirements, see the Interdisciplinary Graduate Program in Informatics website.