

Master of Science in Spatial Informatics

Course Requirements and 2016/2017 Schedule of Course Offerings

Degree requirements

The MSSI consists of 30 credits, all earned in course work. All courses listed in the distance program are 3 credits.

Required courses

The following five courses must be taken and all count toward the graduate degree.

- SIE 505 – Formal Foundations for Information Science (Fall 2016, Instructor: Hahmann)
- SIE 507 – Information Systems Programming (Fall 2016, Instructor: Moratz)
- SIE 515 – Human Computer Interaction (Spring 2017, Instructor: Giudice & Corey)
- SIE 525 – Information Systems Law (Spring 2017, Instructor: Onsrud)
- SIE 550 – Design of Information Systems (Fall 2016, Instructor: Egenhofer)

Elective courses

Students must take at least fifteen additional credits that are approved in advance by the MSSI Steering Committee from the following approved elective course listings in order to arrive at the total required of 30 credits.

Among courses that are regularly available for distance students include:

- SIE 509 – Principles of Geographic Information Systems (Fall 2016, Instructor: Holden or Beard)
- SIE 510 – Geographic Information Systems Applications (Spring 2017, Instructor: Beard)
- SIE 512 – Spatial Analysis (Fall 2016, Instructor: Beard) Prereq: statistics course
- SIE 555 – Spatial Database Systems (Spring 2017, Instructor: Nittel) Prereq: SIE 507 or programming experience
- SIE 557 – Database System Applications (Spring 2017, Instructor: Nittel)
- SIE 558 – Real-Time Sensor Data Streams (Fall 2016, Instructor: Nittel)
- SIE 570 – Spatial Cognition and Computing (Spring 2017, Instructor: Moratz)
- SIE 590 – Information Systems Internship (Fall 2016 and Spring 2017, Instructor: Onsrud)

Tentative 2016-2017 schedule of live weekly discussion sessions by instructor with distance students

Note: Discussion times and days may be altered if alternative times are better suited for enrollees.

Fall 2016 (Eastern Time Zone)

Monday	Tuesday	Wednesday	Thursday	Friday
SIE 505 – 7pm	SIE 507 – 7pm	SIE 509 – 7pm	SIE 512 – 7pm	SIE 550 – 7pm
SIE 558 – 8pm				

Spring 2017 (Eastern Time Zone)

Monday	Tuesday	Wednesday	Thursday
SIE 510 – 7pm	SIE 557 – 7pm	SIE 525 – 7pm	SIE 554 – 7pm
SIE 515 – 8pm	SIE 570 – 8pm	SIE 555 – 8pm	

Potential courses that may be offered by distance in future years

- SIE 516 – Virtual Reality: Research and Applications (typically in Fall, Instructor: Giudice & Corey)
- SIE 554 – Spatial Reasoning (typically in Spring, Instructor: Egenhofer)
- SIE 559 – Geosensor Networks (typically in Fall, Instructor: Nittel) Note: alternates with SIE 558
- SIE 571 – Pattern Recognition and Robotics (typically in Spring, Instructor: Moratz)
- SIE 580 – Ontology Engineering Principles (typically in Spring, Instructor: Hahmann)