



Degree Services
Registrar's Office

Biological Sciences, Chemistry, Civil & Environmental Engrg, Computer Science, Electrical & Computer Engrg, Forest Resources & Environ Sciences, Geological & Mining Engrg, Mathematical Sciences, Physics

Interdisciplinary Minor in Remote Sensing

IMRS

Name (please print): _____
(Last) (First) (Middle)

Student Number: _____

Primary Major: _____ Expected Major Completion Term: _____

Required Courses

_____ UN4000 Remote Sensing Seminar (1)

Select one of the following two courses:

_____ FW4540 Remote Sensing of the Environment (3)

_____ GE4250 Fundamentals of Remote Sensing (3)

Elective Courses (*Data Analysis and Applications*)

Select 3-6 credits from the following:

_____ CE 3620 Water Resources Eng (4)

_____ ENVE 4501 Environ Eng Chem Processes (3)

_____ ENVE 4504 Air Quality Engineering & Science (3)

_____ ENVE 5515/ENVE/CH 4515 Atmospheric
Chemistry (3)

_____ ENVE/CH 5509 Environ. Organic Chemistry (3)

_____ FW 4540 Remote Sensing of the Environment (3)

Do not select if selected under Required Courses above.

_____ GE 2500 Introduction to Oceanography (3)

_____ GE2640/PH2640 Atmospheric Observ & Meteor (3)

_____ GE4150 Natural Hazards (3)

_____ GE5150 Advanced Natural Hazards (3)

_____ PH4640 Intro to Atmospheric Physics (3)

_____ UN4000 Remote Sensing Seminar (1)

*1 credit of UN4000 may be used in addition
to the 1 credit of UN4000 that is required.*

Elective Courses (*Data Management*)

Select 3-6 credits from the following:

_____ CS2090 Special Topics in CS (3)

_____ CS4611 Foundations of Computer Graphics (3)

_____ FW3540 Intro to GIS for Natural Resource
Management (4)

_____ FW5411 Applied Regression Analysis (3)

_____ FW5550 Geographic Information Systems (4)

_____ FW5557 Applied Spatial Statistics (3)

_____ GE4670 Aquatic Remote Sensing (3)

_____ MA2720 Statistical Methods (4)

_____ MA4515 Intro to Partial Diff. Equations (3)

_____ MA4610 Numerical Linear Algebra (3)

_____ MA4710 Regression Analysis (3)

_____ MA5701 Statistical Methods (3)

_____ MA5980 Special Topics in Mathematics (3)

Elective Courses (*Data Acquisition & Processing*)*Select 3-6 credits from the following:*

- _____ EE3140 Electromagnetics (3)
- _____ EE4252 Digital Signal Processing (4)
- _____ EE5500 Statistical Signal Processing (3)
- _____ FW5560 Digital Image Processing: A Remote Sensing Perspective (4)
- _____ GE4250 Fundamentals of Remote Sensing (3)
Do not select if selected under Required Courses
- _____ PH2230 Electronics for Scientists (4)
- _____ PH3210 Optics (3)

Elective Courses**(*Independent Study/Senior Research*)***Select 0-3 credits from the following:*

- _____ BL 4000 Research in Biology (3)
- _____ CH 4990 Undergrad. Research in Chemistry (3)
- _____ CS 4090 Special Topics in CS (3)
- _____ EE 4800 Special Topics in EE (3)
- _____ ENVE 4510 Baccalaureate Thesis (3)
- _____ FW 4500 Independent Study (3)
- _____ GE 4960 Independent Geol. Eng. Res. Project (3)
- _____ MA 4990 Topics in Mathematics (3)
- _____ PH 4080 Senior Research I (3)

Credits Required = 16

Total Credits _____

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C:

CE3620 ([ENG3200 or ENG3507] and [MA3710 C or ENVE3502 C or CE3710 C])

CS4611 (CS1141 and CS2321 and MA2330)

EE3140 (PH2200 and MA3160 and [EE2110 or EE2112])

EE4252 (EE3160)

FW3540 (MA2710 C or MA2720 C or MA3710 C or ENVE3502 C)

ENVE4501 ([ENVE3501 or ENVE3503] and ENVE 3502 and [ENG3200 or CH3500 or CH3501])

ENVE4504 (ENVE3501 or ENVE3503)

ENVE5515 (CH3510 or ENVE4501 or ENVE4504)

ENVE5509 (ENVE 4501 or CH 3510)

FW5560 (FW5540)

GE4150 (GE2000 or GE2100)

GE4250 (PH2200 and MA2160)

MA2720 (MA1020 or MA1030)

MA4515 ([MA3520 or MA3521 or MA3530 or MA3560] and MA3160)

MA4610 (MA2320 or MA2321 or MA2330)

MA4710 (MA2710 or MA2720 or MA3710 or MA3715)

PH2230 (PH2200 or PH2260)

PH3210 (PH2400 and [MA3520 or MA3521 or MA3530 C or MA3560])

PH4640 ([PH2200 or PH2260] and [PH1360 or PH2300] and MA3160 and [MA3520 or MA3521 or MA3530 or MA3560])

 Student

 Date

 Department Advisor

 Date