Currently Approved Supporting Area Courses for GIS/Cartography Concentration

GIS Course Schedule Offering

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Technical Course Sequence

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Technical Courses Sequence Recommended for Remote Sensing
- GEOG 372, GEOG 472, GEOG 498R

Technical Courses Sequence Recommended for GIS
- GEOG 373, GEOG 473, GEOG 475

Special Course Information

*GEOG 306: Intro to Quantitative Methods for the Geographic Environment
*GEOG 306: credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOG351, GVP1422, PSYC200, or SOCY201
*GEOG 376: Intro to Computer Programming (offered only in Spring) is mandatory for GIS Concentration
*GEOG 476: Object-Oriented Computer Programming (offered every other fall)

Art Studio
Artt 255 — Intro to Digital Art & Design Processes (S,F)

Atmospheric and Oceanic Science
Aosc 200 — Weather and Climate (S,F)
Aosc 201 — Weather and Climate Laboratory (S,F)
Aosc 375 — Introduction to the Blue Ocean (S,F)
Aosc 400 — The Atmosphere (F)
Aosc 401 — Global Environment (S)
Any AOSC 300 or Above (S,F)

Biology
Bsci 103 — The World of Biology (S)
Bsci 105 — Principles of Biology I (S,F)
Bsci 106 — Principles of Biology II (S,F)
Bsci 124 — Plant biology for Non-Science Students (S)
Bsci 125 — Laboratory in Plant Biology (S)
Bsci 361 — Principles of Ecology (S,F)

Business and Management
Bmg 301 — Introduction to Information Systems (S,F)
Bmg 302 — Business Computer Application Programming

Civil Engineering
Ence 200 — Engineering Information Processing I (S,F)
Ence 201 — Engineering Information Processing II (S,F)

Computer Science
Cmsc 122 — Intro to Computer Programming via the Web (S,F)
Cmsc 131 — Object-Oriented Programming (S,F)
Cmsc 132 — Object-Oriented Programming (S,F)

Environmental Science and Technology
Any ENST 300 or above (S,F)

Math and Statistics
Math I — Introduction to Probability
Math I30 — Calculus I for the Life Sciences (S,F)
Math I40 or higher — Calculus I (S,F)
Math 220 or Higher — Elementary Calculus I (S,F)
Stat 100 — Elementary Statistics and Probability (S,F)
Stat 300 or higher

Physics
Phys I06 — Light, Perception, Photography, and Visual Phenomena (S)
Phys I07 — Light, Perception, Photography, and Visual Phenomena (S)
Phys I15 — Inquiry to Physics (S,F)
Phys I21 — Fundamentals of Physics I (S,F)
Phys I22 — Fundamentals of Physics II (S,F)
Phys I26 — Vibrations, Waves, Heat, Electricity and Magnetism (S,F)
Phys I27 — Vibrations, Waves, Heat, Electricity and Magnetism (S,F)
Phys I28 — Electrodynamics, Light, Relativity and Modern (S,F)
Phys I29 — Electrodynamics, Light, Relativity and Modern (S,F)
Phys I32 — Introductory Physics: Fields (S,F)
Phys I35 — Experimental Physics I: Mechanics, Heat, and Fields (S,F)