

MINORS 2008-09



COLLEGE OF SCIENCE & TECHNOLOGY

Office of Student Services
1810 Liacouras Walk, Suite 203
(215) 204-2890

BIOLOGY

255 Biology Life Sciences Bldg. (215) 204-8851
Chairperson: Dr. Shohreh Amini
Advisor: Dr. Shepherd Roberts

- Introduction to Biology (Bio 2112)
- Introduction to Biology (Bio 1111)
- Biology Elective (2000 or above)*
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*At least one of these electives must be a course with a laboratory. See course descriptions for exceptions to Biology electives. Note that Chemistry C071 and C072 (with labs) are the co- or pre-requisites for Biology 0101 and 0102. (Minimum of 18 credits)

COMPUTER SCIENCE

303 Wachman Hall (215) 204-8450
Chairman: Dr. Justin Yuan Shi
Faculty Advisor: Dr. Sally Kyvernitis

- Program Design and Abstraction (CIS 1068)
- Mathematical Concepts in Computing I (CIS 1166)
- Computer Systems and Low-Level Programming (CIS 2107)
- Data Structures (CIS 2168)
- CIS Independent Study (CIS 4282) or an approved 2000 or 3000 level CIS course

INFORMATION SCIENCE & TECHNOLOGY

303 Wachman Hall (215) 204-8450
Chairman: Dr. Justin Yuan Shi
Faculty Advisor: Dr. Gary Baram

- Introduction to IS&T (CIS 1048)
- Higher Level Languages (CIS 1073)
- Database & File Management Systems (CIS 2109)
- Selected one elective from:
Object-Oriented Programming (CIS 2173) or
Operating Systems and Networking (CIS 3229)
- Select a 3000-level course related to IT from a Temple department. Needs IS&T advisor approval.

MATHEMATICS

638 Wachman Hall (215) 204-7841
Chairperson: Dr. Omar Hijab
Faculty Advisor: Dr. Boris Datskovsky

- Calculus I (Math 1041)
- Calculus II (Math 1042)
- Calculus III (Math 2043)
- Programming (CIS 1053, 1057, 1068, 2168, or Physics 2501)
- Linear Algebra (Math 2101)
- Math Elective (3000 or above or Math 2196)
- Math Elective (3000 or above)
- Math Elective (3000 or above)
- Math Elective (3000 or above)
- Math Elective (3000 or above)

PHYSICS

A116 Barton Hall (215) 204-7634
Chairperson: Dr. Rongjia Tao
Faculty Advisor: Dr. Zbigniew Dziembowski

- Elem. Classical Physics I (Physics 1061)
- Elem. Classical Physics II (Physics 1062)
- Introduction to Modern Physics with Lab (Physics 2701)
- Electricity & Magnetism with Lab (Physics 3301) or Intro. to Electromagnetic Fields & Waves (EE 3712)
- Physics Elective (2000 or above)*
- Physics Elective (2000 or above)*

* Electives must be approved by the Undergraduate Physics Adviser

Revised 06/02/08

ENVIRONMENTAL STUDIES MINOR 2008-2009

330 Gladfelter Hall (215) 204-5918
Director: Dr. Robert Mason
Faculty Advisor: Dr. Dennis Terry

- Environment and Society (Envt. St./GUS 1051 or 1951)
- Principles of Ecology (Bio 2227) (Prereq. Bio 1111 and 2112)

OR

Intro. to Hydrology (Geology 3021)

OR

Fundamentals of Geographic Information Systems
(Envt. St. GUS 3062)

OR

Energy, Ecology, and Economy (Econ 3596)
(Prereq. Econ 1101 & 1102)

- Policy Elective*
- Topics Elective*
- Topics Elective*
- Topics Elective*

* Check the Course Description Guide for the prerequisite structure in science departments. Updates to the electives lists can be found on the ES website (www.temple.edu/env-stud)

If an environmental studies course is cross-listed with another department course, you will only receive credit for one of these courses.

Environmental Studies Minor Elective Choices:

Policy

ES/Anthro 3175
Econ 3512, 3513
EET 4761
ES 3025
ES/GUS 3051
ES/Pol Sci 3152
Community & Regional Planning 2014

Topics

ES/Anthro 3170, 3189, 4117, 4775, 4796
Bio 2227, 2238, 3196, 3245, 3316, 3336
Botany 1112
Community & Regional Planning 1027, 2114, 2213, 3256, 2524
ES 3000, 4085, 4082
ES/GUS 2051, 4015, 3052, 4071, 3054, 4056, 4051, 3062, 3097
Geol 3013, 2021, 2061, 3011, 4997
ES/ Hist 3214
Hort 2114, 3514, 2334, 2353
JPRA 3253
Land Arch 2144, 2758
ES/Philos 2596
Religion 3001

GEOLOGY MINOR 2008-2009

303 Beury Hall (215) 204-5918
Chairperson: Dr. David Grandstaff
Faculty Advisor: Dr. Dennis Terry

- Geology 1001 with lab or Geology 2001 with lab
- Chemistry 1031 & 1033 or Chemistry 1021 & 1023
- Math 1011 or Math 1041
- Geology elective (numbered above 2001)
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To obtain a minor in Geology, students must complete 20 hours of courses in Geology. Geology 1001 or Geology 2001 with lab is required. The remaining courses above the 2001 are chosen with the approval of the Undergraduate Geology Adviser.