

# MINORS 2005-06



**COLLEGE OF  
SCIENCE &  
TECHNOLOGY**

**Office of Undergraduate Advising  
A306 Barton Hall**

*(215) 204-2890*

## INFORMATION SCIENCE & TECHNOLOGY

303 Wachman Hall (215) 204-8450

Chairman: Dr. Paul LaFollette

Faculty Advisor: Dr. Gary Baram

- Higher Level Languages (CIS 81)
- Object-Oriented Programming (CIS 83)
- Database & File Management Systems (CIS 109)
- Component-Based Software Development (CIS 209)
- Operating Systems & Networking (CIS 230)
- Information Systems Analysis & Design (CIS W281)
- Information System Implementation (CIS W381)

## BIOLOGY

255 Biology Life Sciences Bldg. (215) 204-8851

Chairperson: Dr. Shohreh Amini

Advisor: Dr. Shepherd Roberts

- Introduction to Biology (Bio 102)
- Introduction to Biology (Bio 101)
- Biology Elective (200 level or above)\*
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\*At least one of these electives must be a course with a laboratory. Note that Chemistry C071 and C072 (with labs) are the co- or pre-requisites for Biology 0101 and 0102. (Minimum of 18 credits)

## MATHEMATICS

638 Wachman Hall (215) 204-7841

Chairperson: Dr. Jack Schiller

Faculty Advisor: Dr. Boris Datskovsky

- Calculus I (Math 85)
- Calculus II (Math 86)
- Calculus III (Math 127)
- Programming (CIS 67, 68, or 71 or Physics 161)
- Linear Algebra (Math 147 or 148)
- Math Elective (200 level or above or Math W141)
- Math Elective (200 level or above)
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- Math Elective (200 level or above)

## COMPUTER & INFORMATION SCIENCES

303 Wachman Hall (215) 204-8450

Chairman: Dr. Paul LaFollette

Faculty Advisor: Dr. Billie Stevens

- Calculus I (Math 85)
- Calculus II (Math 86)
- Mathematical Concepts in Computing I (CIS 66 or Math 141)
- Program Design and Abstraction (CIS 67)
- Data Structures (CIS 68)
- Computer Systems and Low-Level Programming (CIS 72)
- Mathematical Concepts in Computing II (CIS 166 or Math 205)
- Introduction to Systems Programming and Operating Systems (CIS 207)
- Data Structures and Algorithms (CIS 223)

## PHYSICS

A116 Barton Hall (215) 204-7634

Chairperson: Dr. Jeff Martoff

Faculty Advisor: Dr. Zbigniew Dziembowski

- Elementary Classical Physics I (Physics 87)
- Elementary Classical Physics II (Physics 88)
- Electricity & Magnetism with Lab (Physics 187 & 187L) or Introduction to Electromagnetic Fields & Waves (EE 220)
- Introduction to Modern Physics with Lab (Physics 188 & 188L)
- Physics Elective (100 level or above)\*
- Physics Elective (100 level or above)\*

\* Electives must be approved by the Undergraduate Physics Adviser

Revised 5/05