# Digital Media Technologies

**Department of Computer and Information Science (CIS)**

Chair: Dr. Jie Wu  
Faculty Advisor: Prof. Sally Kyvernitis  
304 Science Education & Research Center  
(215) 204-8450

**Department of Media Studies and Production (MSP)**

Chair: Prof. Amy Caples  
See SMC Advising for questions on MSP course requirements  
205 Annenberg Hall (205) 204-3876

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**Refer to the Undergraduate Bulletin for Grade Requirements and Important Policies Surrounding This Minor**

<table>
<thead>
<tr>
<th>2 Required MSP Courses</th>
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<tbody>
<tr>
<td>□ Intro to Media Technology: MSP 1701 <strong>OR</strong> Audio for Media: MSP 2751 <strong>OR</strong> Intro to Media Production: MSP 2701</td>
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</tbody>
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<tr>
<th>2 Required CIS Courses</th>
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| □ CIS course from approved list in Bulletin*  
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<tr>
<th>2 Required Electives</th>
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| □ Elective **  
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*Computer Science and IS&T majors should check with their CST Advisors regarding backtracking.  
**Please refer to the Undergraduate Bulletin for a list of approved electives. One CST course and One MSP course are required for non-MSP and non-CIS majors. However, MSP students may choose Two CST electives instead, and CIS majors may choose 2 MSP electives instead.

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**Information Science & Technology**

304 Science Education & Research Center  
(215) 204-8450  
Chair: Dr. Jie Wu  
Faculty Advisor: Ms. Wendy Urban

**Computer Science**

304 Science Education & Research Center  
(215) 204-8450  
Chair: Dr. Jie Wu  
Faculty Advisor: Prof. Sally Kyvernitis

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### All Students EXCEPT for Computer Science Majors:

**Choose Five (5) of the following Six (6) courses:**

- □ Introduction to Python: CIS 1051
- □ Program Design & Abstraction: CIS 1068 or 1968
- □ Math Concepts in Computing I: CIS 1166 or 1966
- □ Data Structures: CIS 2168
- □ Database Management Systems: CIS 2109*
- □ Architecture, Operating Systems and Networking: CIS 2229

### Requirements for Computer Science Majors ONLY:

- □ Database & File Management Systems: CIS 2109*
- □ Component-Based Software Design: CIS 3309
- □ IS&T 3000 or above course with Faculty Advisor approval that is distinct from Computer Science requirements

*Students who have completed CIS 4331 cannot take CIS 2109. Computer Science majors in this position must see the faculty advisor for a replacement course.

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### All Students EXCEPT for IS&T Majors:

- □ Program Design & Abstraction: CIS 1068 or 1968
- □ Math Concepts in Computing I: CIS 1166 or 1966
- □ Computer Systems and Low-Level Programming: CIS 2107
- □ Data Structures: CIS 2168
- □ CS Minor Elective*

### Requirements for IS&T Majors ONLY:

- □ Computer Systems and Low-Level Programming: CIS 2107
- □ CS Minor Elective*
- □ CS Minor Elective*

*Refer to the Undergraduate Bulletin for a list of approved electives. IS&T majors cannot select CIS 4331 as a CS minor elective.

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F = Fall Only  S = Spring Only  H = Honors Students Only
**Mathematics**

638 Wachman Hall (215) 204-7841  
Chair: Dr. Irina Mitrea  
Faculty Advisor: Dr. Boris Datskovsky & Dr. Maria Lorenz

- Calculus I: Math 1038* or 1041 or 1941\(^H\)
- Calculus II: Math 1042 or 1942\(^H\)
- Calculus III: Math 2043 or 2943
- Linear Algebra: Math 2101 or 2103\(^F\)
- Math Elective: 3000 or above*
  
- Calculus I: Math 1038* or 1041 or 1941\(^H\)
- Calculus II: Math 1042 or 1942\(^H\)
- Calculus III: Math 2043 or 2943
- Linear Algebra: Math 2101 or 2103\(^F\)
- Math Elective: 3000 or above*
  
- Calculus I: Math 1038* or 1041 or 1941\(^H\)
- Calculus II: Math 1042 or 1942\(^H\)
- Calculus III: Math 2043 or 2943
- Linear Algebra: Math 2101 or 2103\(^F\)
- Math Elective: 3000 or above*

*Students who choose Math 1038 must also take the linked course Math 1039  
**Basic Concepts of Math: Math 2111 can replace one Math Elective

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**Geology**

326 Beury Hall (215) 204-7172  
Chair: Dr. Jonathan Nyquist  
Faculty Advisor: Dr. Allison Tumarkin-Deratzian

- Physical Geology: EES 2001
- Introduction to Chemistry I & Lab: Chem 1021 & 1023) OR General Chemistry I & Lab: Chem 1031 & 1033 or 1951\(^F\) & 1953\(^F\)
- Precalculus: Math 1022 or Calculus I: Math 1038* or 1041 or 1941\(^H\)
- EES elective: 2002 or above**
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*Students who choose Math 1038 must also take the corresponding section of the linked course Math 1039  
**EES electives must be chosen in consultation with your Faculty Advisor. You must take a minimum of 14 credits of electives.

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**Biology**

255 Biology Life Sciences Bldg. (215) 204-8851  
Chair: Dr. Allen Nicholson  
Advisor: Dr. Joel Sheffield (Last Names A-M) & Ms. Evelyn Vleck (Last Names N-Z)

- Introduction to Biology I: Bio 1111 or 1911\(^SH\)
- Introduction to Biology II: Bio 2112 or 2912\(^SH\)
- Biology Elective: 2200 or above*
- Biology Elective: 2200 or above*
- Biology Elective: 2200 or above*

*At least one of these electives must be a course with a laboratory. See course descriptions for exceptions to Biology electives. (Minimum of 18 credits)

**Coursework outside of the curriculum for this minor is required. Please refer to the prerequisites and corequisites in Banner for more information.

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**Chemistry**

Chair: Dr. Daniel Strongin  
406 Science Education & Research Center (215) 204-7634  
Faculty Advisors: Dr. Spiridoula Matsika, (Last names A-G) Dr. Robert Stanley (Last names H-N) Dr. Michael Zdilla (Last names O-Z)

- General Chemistry I: Chem 1031 or 1951\(^F\)
- General Chemistry I Lab: Chem 1033 or 1953\(^F\)
- General Chemistry II: Chem 1032 or 1952\(^F\)
- General Chemistry II Lab: Chem 1034 or 1954\(^F\)
- Organic Chemistry I: Chem 2201 or 2211\(^F\) or 2921\(^FH\)
- Organic Chemistry I Lab: Chem 2203 or 2213\(^F\) or 2923\(^FH\)
- Organic Chemistry II: Chem 2202 or 2212\(^S\) or 2922\(^SH\)
- Organic Chemistry II Lab: Chem 2204 or 2214\(^S\) or 2924\(^SH\)
- Chemistry Minor Elective from Bulletin*
- Chemistry Minor Elective from Bulletin*

*Chemistry electives must total at least 7 credits