

**Fall 2023 Registration Detail for Course Offerings –**

**DRAFT - Updated 8/22/2023**

Register for classes in StudentAdmin.

[Biomedical Engineering](https://gradcatalog.uconn.edu/course-descriptions/course/BME)

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| **Class Nbr** | **Subject Area** | **Catalog Nbr** | **Class Section** | **Description** | **Instruction Mode** | **Enrollment Capacity** | **Instructor (Role)** | **Hours/Days/Location** |
| 11172 | BME | 5000 | 010x | Physiological Systems I | Online Synchronous | 10 | Marie Luby | Tuesdays 6:30-9:30pm |
| 8358 | BME | 5020 | 001 | Clinical Engineering Fundamentals | Online | 15 | David Pillittere | N/A |
| 11989 | BME | 5030 | 001 | Human Error and Medical  Device Accidents | Online | 15 | Frank Painter | N/A |
| 10833 | BME | 5070 | 001 | Clinical Systems Engineering | Online | 15 | Bridget Moorman, David Kaputa | N/A |
| 12064 | BME | 5600 | 010x | Human Biomechanics | Online Synchronous | 10 | Matthew Solomito | Wednesdays 6-8:30pm |
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[Chemical Engineering](https://gradcatalog.uconn.edu/course-descriptions/course/CHEG/)

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| 10793 | CHEG | 5001 | 001 | Advanced Chemical Engineering Fundamentals | Online Asynchronous | 25 | Jennifer Pascal (PI) | N/A |

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| 2981 | CHEG | 5301 | 001 | Chemical Engineering  Thermodynamics I | In Person | 25 | Luyi Sun (PI) | TuTh 5:00PM – 6:15PM |
| 2982 | CHEG | 5315 | 001 | Transfer Operations I | In Person | 25 | Anson Ma (PI) | WeFr 5:00PM – 6:15PM |
| 12507 | CHEG | 5330 | 001 | Applied Machine Learning in  Chemical Engineering | Online  Synchronous | 25 | Burcu Beykal (PI) | MoWe 5:00PM – 6:15PM |
| 10794 | CHEG | 5333 | 001 | Computer Simulation in  Chemical Engineering | Online  Synchronous | 30 | George Bollas (PI) | Th 5:00PM – 7:00PM |
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[Civil Engineering](https://gradcatalog.uconn.edu/course-descriptions/course/CE/)

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| 5572 | CE | 5164 | 001 | Finite Elements | Online Asynchronous | 20 (reserve cap 5) | Jeongho Kim (PI) | N/A |
| 14149 | CE | 5384 | 001 | Accelerated Bridge  Construction | Online  Asynchronous | 15 (reserve cap 5) | Alexandra Hain (PI) | N/A |
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[Computer Science & Engineering](https://gradcatalog.uconn.edu/course-descriptions/course/CSE/)

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| 12054 | CSE | 5050 | 001 | Algorithms and Complexity | Online Asynchronous | 40 | Mukul Bansal (PI) | N/A |
| 16241 | CSE | 5520 | 001x | Data Visualization and  Communication | Online  Asynchronous | 25 | Seung-Hyun Hong (PI) | N/A |
| 16242 | CSE | 5713 | 001x | Data Mining | Online Asynchronous | 25 | Seung-Hyun Hong (PI) | N/A |
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[Electrical & Computer Engineering](https://gradcatalog.uconn.edu/course-descriptions/course/ECE)

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| 7640 | ECE | 5101 | 010x | Introduction to System  Theory | Online  Synchronous | 10 | Shan Zuo | Mondays 6-9pm |
| 11412 | ECE | 5510 | 010x | Power System Analysis | Online Synchronous | 15 | Junbo Zhao (PI) | Wednesdays 6-9pm |
| 11419 | ECE | 5151 | 001 | Underwater Acoustics and Sensing Systems | Online Synchronous | 25 | Shengli Zhou, Francis Chan | Tuesdays 6-8pm |
| 14383 | ECE | 5554 | 001 | Distribution Management  Systems | Online  Asynchronous | 30 | Fei Ding | N/A |
| 8781 | ECE | 6095  (crosslisted w/SE 5202) | 004 | Special Topics – Foundations of Control | Online Synchronous | 25 | Abhishek Dutta | Tuesdays 6-7:30pm |
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Engineering

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| 7683 | ENGR | 5311 | 001 | Prof Communication & Info Mgmt | Online (*FYI – 3 synchronous sessions w/on campus OR virtual attendance*  *required*) | 20 | Warren Osterndorf (PI) | N/A |
| 11576 | ENGR | 5312 | 001 | Engr. Proj. Planning & Mgmt. | Online Asynchronous | 20 | Abhay Trivedi (PI) | N/A |
| 6925 | ENGR | 5314 | 001 | Adv Engineering Mathematics | Online Asynchronous | 25 | David Tonn (PI) | N/A |

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| N/A | ENGR | 5315 | 001 | MENG Capstone | Email:  [soeprofed@uconn.edu](mailto:soeprofed@uconn.edu) | As needed | Staff | N/A |

[Environmental Engineering](https://gradcatalog.uconn.edu/course-descriptions/course/ENVE/)

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| 14537 | ENVE | 5252 | 001 | Environmental Remediation | Online Asynchronous | 20 | Amine Dahmani | N/A |
| 5511 | ENVE | 5320 | 001 | Quantitative Methods for Engineers | In Person | 20 | Diego Cerrai | Mo/We 4:15-5:30pm MCHU 111 |
| 12053 | ENVE | 5810 | 001 | Hydrometeorology | In Person | 20 | Marina Astitha | Tu/Th 12:30-1:45pm CHM T213 |

[Institute of Materials Science](https://gradcatalog.uconn.edu/course-descriptions/course/IMS/)

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| **Class Nbr** | **Subject Area** | **Catalog Nbr** | **Class Section** | **Description** | **Instruction Mode** | **Enrollment Capacity** | **Instructor (Role)** | **Hours/Days/Location** |
| 10317 | IMS | 5302 | 001 | Structural Analysis | Online  Asynchronous | 25 | Steven Suib, M. Daniela  Morales Acosta | N/A |
| 10874 | IMS | 5303 | 001 | Compositional Analysis | Online Asynchronous | 25 | Steven Suib, Capri Price | N/A |

[Manufacturing Engineering](https://gradcatalog.uconn.edu/course-descriptions/course/MFGE/)

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| **Class Nbr** | **Subject Area** | **Catalog Nbr** | **Class Section** | **Description** | **Instruction Mode** | **Enrollment Capacity** | **Instructor (Role)** | **Hours/Days/Location** |
| 11798 | MFGE | 5120 | 001 | Advanced Manufacturing  Processes and Products | Online  Asynchronous | 30 | Ruimin Chen | N/A |
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[**Marine**](https://gradcatalog.uconn.edu/course-descriptions/course/MSE/) **Sciences (*for Oceanographic Science & Tech Certificate Students*)**

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[Materials Science & Engineering](https://gradcatalog.uconn.edu/course-descriptions/course/MSE/)

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| 8072 | MSE | 5001 | 001 | Principles of Materials Engineering | In Person | 25 | Ryan Deacon (PI) | 5:00PM - 7:30PM / Tu |
| 16438 | MSE | 5095 | 006x | Special Topics in MSE- Non- Destructive Evaluation | Online Synchronous | 15 | Greg Ojard (PI) | 5:00PM-7:30PM / Mo |
| 14535 | MSE | 5095 | 002 | Special Topics in MSE- Sustainable Materials Selection | In Person | 30 | Alyssa Denno (PI) | 6:00PM-8:30PM / Th |
| 10801 | MSE | 5345 | 001 | Degradation Mech in High Temp | In Person | 15 | Prabhakar Singh (PI) | 5:00PM - 7:30PM / We |
| 13085 | MSE | 5364 | 001 | Advanced Composites | Online Asynchronous | 30 | Rajiv Naik (PI) | N/A |
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[Mechanical Engineering](https://gradcatalog.uconn.edu/course-descriptions/course/ME/)

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| 10830 | ME | 5110 | 010x | Advanced Thermodynamics | Online  Synchronous | 15 | Jackie (Chih-Jen) Sung | Wednesday 5-7:30pm |
| 7892 | ME | 5130 | 010x | Advanced Heat and Mass Transfer | Online Synchronous | 15 | Wilson Chiu | Tuesday 5-7:30pm |
| 13891 | ME | 5160 | 010x | Theory and Design of Automatic Control Systems | Online Synchronous | 15 | Nejat Olgac | Thursday 5-7:30pm |
| 10832 | ME | 5190 | 010x | Advanced Solid Mechanics | Online Synchronous | 15 | Anna Tarakanova | Monday 5-7:30pm |
| 12176 | ME | 5515 | 001 | Intro to Hands-On Finite Element Analysis | Online Asynchronous | 20 | Rajiv Naik | N/A |
| 13863 | ME | 5215 | 001 | Underwater Sensor Systems Analysis and Design | Online Asynchronous | 20 | Francis Chan | N/A |
| 13831 | ME | 5442 | 001 | Composites Design | Online  Asynchronous | 40 (reserve cap 20) | Garland Borowski | N/A |
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[Systems Engineering](https://gradcatalog.uconn.edu/course-descriptions/course/SE/)

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| 12058 | SE | 5000 | 001 | Introduction to Systems  Engineering | Online Blended | 30 | | Amy Thompson (PI) | 6:00PM - 7:30PM /Mo/ NRRSTOR |
| 10851 | SE | 5001 | 001 | Model-Based System Engineering | Online Blended | 30 | | Amy Thompson (PI) | 6:00PM - 7:30PM /We/ NRRSTOR |
| 12057 | SE | 5095 | 001 | Systems Engineering Management | Online Blended | 30 | | Daniel Durkin (PI) | 6:00PM - 7:30PM / Tu / NRRSTOR |
| 1448 | SE | 5095 | 002 | Model-Based Design for  Cyberphysical Systems | Online Blended | 15 | | Tim Crowley (PI) | 6:00PM - 7:30PM /Mo/ NRRSTOR |

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| 7858 | SE | 5202 | 001 | Foundations of Control | Online Blended | 15 | Abhishek Dutta (PI) | 6:00PM - 7:30PM / Th / NRRSTOR |
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