Spring 2023 Supplement and Course Offerings List

Vol21No3 (January 12, 2023)

Information Contained In this Document:

1) Schedule of Deadlines: Add/Drop; Pass/No Credit; Withdraw
2) Cross-Registration Deadlines and Instructions
3) Registration Special Notes/Updates
4) Catalog Supplement (experiments, new courses, or special topics)
5) Course Offerings List
6) Course Offerings Grid

1) Schedule of Deadlines: Add/Drop; Pass/No Credit; Withdraw

Session	Add	Drop and Pass/No Credit	Withdraw
Full Semester (Jan 19 – May 1)	February 1, 2023	March 31, 2023	May 1, 2023
Session I (Jan 19 – Mar 7)	January 25, 2023	February 21, 2023	March 7, 2023
Session II (Mar 9 – May 1)	March 24, 2023	April 14, 2023	May 1, 2023

2) Cross-Registration Deadlines and Instructions

Click HERE for Cross-Registration FAQ

	Babson	Brandeis	Wellesley
Cross-registration open period	11/21/22 - 1/23/23 4:30PM EST	11/21/22 - 1/30/23	11/21/22 – 2/3/23, 11:59PM EST
First day of classes	1/17/23	1/17/23	1/23/23
Drop deadline	1/23/23	4/3/23	2/17/23, 11:59PM EST
Withdrawal Deadline	3/29/23, 4:30PM EST	5/2/23	5/3/23, 5:00PM EST
Last day of Classes	4/26/23	5/2/23	5/3/23
Finals Period	5/1/23- 5/5/23	5/2/23 – 5/16/23	5/8/23 – 5/11/23

Questions? Contact the Registrar's Office at Olin College, registrar@olin.edu.

3) Registration Notes/Updates

Cancelled:

ENGR3370: Controls – Cancelled due to low enrollment

Time Changes:

MTH3120: Partial Differential Equations: *Time* Change – now running 3:40pm – 5:20pm on M/R

AHSE2199: Writing Gets Real: *Time* Change – now running 1:00pm-2:40pm on T/F

Course Schedule Blocks:

Course blocks are 100-minutes, with 10 minutes between blocks and a common one-hour lunch block for the Olin Community! Blocks between 8:30am to 5:30pm are on Monday/Thursday, Tuesday/Friday patterns; Evening blocks, 6pm-8:40pm are on Monday/Wednesday and Tuesday/Thursday patterns.

Curriculum Category in the Offerings List (pdf):

This will help you know what the offering typically corresponds to for specific degree requirements. This column should also help Engineering degree students with flexible concentrations understand the generalized topic track of a particular course. Additionally, sometimes these categories change as Olin changes so be sure to reference them and to inquire if you have questions. Use these as a guide. Use the catalog for further information (information can be found in degree requirements or in specific course descriptions).

Thesis Option

A reminder for students and advisers that Olin has a year-long Thesis Research Option available to students working with faculty mentors. The program provides an opportunity for students to conduct advanced research work over a duration of 2 consecutive semesters that culminates in a written thesis document. Enrollment in the thesis option is by faculty mentor approval. Students would register for an ISR-G: "Thesis Research" in Semester 1, and ISR-G: "Thesis" in Semester 2, for 4 credits per semester.

More information can be found at: https://olin.smartcatalogiq.com/2022-23/catalog/programs-of-study-and-degree-requirements/other-academic-programs-and-opportunities/research-thesis/

ME Core Update

Two of the ME core courses, Thermodynamics and Transport Phenomena, are being delivered differently than what is described in the catalog.

- Each topic is being taught in 2-credit segments. The intro segments were offered in the fall. The intermediate segments will be offered in the spring.
- Introduction to Thermodynamics + Intermediate Thermodynamics, in combination, are a designated alternative for ENGR2350 Thermodynamics
- Introduction to Transport Phenomena + Intermediate Transport Phenomena, in combination, are a designated alternative for ENGR3310 Transport Phenomena

Waitlists for Courses with Two Numbers:

If you want to join a waitlist for **Six Microbes** (AHSE2150/SCI1250), **IBAT** (AHSE2160/SCI1260, or **Data Science** (ENGR3531/MTH2131) please email registrar@olin.edu after you register. We will maintain a waitlist as the system does not allow waitlists for courses with two numbers.

What is a cross-listed course?

There is one cross-listed course in Spring 2023: **Biomimicry** (ENGR3232 *or* SCI2235):

- Choose **ENGR3232** for **Design Depth** credit, or
- Choose **SCI2235**for **ADV SCIENCE** credit

Cross-listing is a term associated with two distinct course numbers for a single academic activity. The activity can be defined under two topics depending on what aspect of the course content a student focuses on during their enrollment. To this end, the student elects the path at the beginning of the course (no later than the last day to add) by selecting the appropriate course number. The distinction is important because it could frame your project and impact how your experience works toward completing a requirement.

4) Catalog Supplement

Degree requirements and course requisites are outlined in the Course Catalog

Course descriptions can also be found in the catalog and in the portal course search. New, highlighted, and Special Topics course descriptions are listed below.

New, Updated, and Special Topics Courses

CIE2223M: Curricular Innovation Prototype:

K12 Outreach: Mathematics and Engineering for Everyone

Instructor(s): Sarah Spence Adams, Rob Martello, Mark Somerville
Credits: 4
Hours: 4-2-6
Registration Notes:

> To elect Design Depth credit: students must have taken Collaborative Design in a previous semester or register for this course AND Collaborative Design (co-requisites) this spring.

> Students must also enroll in one of two labs: CIE_MEE: **Lab A:** M 3:31pm-5:30pm *or* **Lab B:** W 3:31pm – 5:30pm

Course Description: Would you thrive in an impact-centered course that allows you to dedicate your time to making a difference in the lives of adolescent learners? Are you concerned about inequities within educational systems and the lingering negative impacts of online/hybrid schooling? Could you light a fire of interest and increase confidence in students who aren't yet excited about the power of mathematical thinking or engineering design? If you answered yes to any of these classes, please consider joining us in "K12 Outreach: Mathematics and Engineering for Everyone," a new impact-centered course wherein Olin students will design, develop, and deliver math/engineering workshops/activities in partnership with adolescent learners, primarily elementary school students. Our nearby partner schools and after-school organizations are still being finalized, and they are being chosen to ensure that our efforts will reach students from backgrounds that have been historically excluded from higher education and/or employment in STEM-related fields. Theories of educational design and human-centered design concepts will guide our work throughout the class.

Students enrolling in this course may elect 4 credits in any combination of MTH, ENGR, and/or AHS. The 4 credit ENGR option can count as a Design Depth for students who have taken or are taking (UO)CD. Credit allocations will be finalized mid-semester based on students' work. Students must enroll in a "lab" section Monday or Wednesdays 3:31-5:30pm, which is when students will often be traveling off campus to engage with younger learners. Due to traffic and other complications, students may get back to Olin slightly after 5:30pm but in time for 6pm classes. If you have a problem with a lab time, please contact sarah.adams@olin.edu

CIE2223E: Curriculum Innovation Prototype:
Environmental Consulting at Olin (ECO)
Instructor(s): Carrie Nugent, Claire Rodgers
Credits: 4
Hours: 4-0-8
Registration Notes: Open to all students. To elect Design Depth credit: students must have taken Collaborative Design in a previous semester or register for ECO AND Collaborative Design (co-requisites) this spring. Previous students can enroll again- this is a class that can be taken multiple times. First years cannot enroll for E:Sust Adv credit.
Course Description: Did you know Olin is a major greenhouse gas polluter? Per capita, Olin emits more CO2 than other colleges. Let's fix that! In ECO, you'll learn how to calculate greenhouse gas emissions, where Olin's emissions come from, and you'll help reduce our emissions via a semester-long project. We welcome your questions! Email instructors Claire (Claire.Rodgers@olin.edu) and Carrie (cnugent@olin.edu).

CIE2223P: Curriculum Innovation Prototype:
Social Technology Enterprise with Purpose (STEP)
Instructor(s): Alessandra Ferzoco, Paul Ruvolo
Credits: 12
Registration Notes: Students must also enroll in one of two labs: CIE_STEP: **Lab A**: MR 1:00pm-2:40pm *or* **Lab B:** TF 2:50pm-4:30pm; Experimental Grading
Course Description: In STEP you'll work alongside the teaching team (Paul Ruvolo and Alessandra Ferzoco, with special appearances by Sam Michalka) and community partners to create a wearable computing technology that is designed with purpose, privacy, aesthetics, and accessibility in mind. STEP is a part of Olin's new impact centered educational model. We'll be building on ideas and technology platforms developed in STEP 2022 and continuing to learn together how to design impact-centered courses. We hope you'll consider joining us for the next phase of STEP technology development and this next phase of Olin's educational model.

- STEP fulfills a flexible set of graduation requirements
- STEP is a part of Olin's new strategic plan
- We will explore tech, accessibility (engineering 4 everyone), and financial models
- Our project area of creating an augmented reality device for folks who are blind leverages smartphone hardware and existing apps (e.g., for navigation, object recognition, document reading) to reduce barriers and increase equity. We will also be creating our own apps and custom hardware.
- We are partnering with the Perkins School for the Blind's Innovation Center
- Folks who are blind will be involved in running the course and co-designing the technology

AHSE2199: Special Topics in Arts, Humanities and Social Science:
Writing Gets Real
Instructor(s): Gillian Epstein
Credits: 2
Hours: 4-0-8
Registration Notes: Session I
Course Description: Wonder how to write an email to someone you don't know on LinkedIn that will get a response? Cover letters making you run for cover? Wish your online bio did you justice? Want to write a business plan, application essay, or scholarship essay that makes your reader pay attention? Then come join an exciting new 6-week adventure focused on upping your game in day-to-day professional writing that can open doors and create connections. Each week will feature a fundamental and concrete professional writing challenge (emails, cover letters, bios…); specific writing skills and habits of mind that will make your writing stand out; a fun and focused writing assignment embedded in your real-world practice; and specific expertise and examples from one or more additional teaching partners, including Olin Alum and Trustee Lee Edwards, Vice President and Chief of Staff Lauren Taaffe, Library Director Callan Bignoli, and more! Come do the writing you know you need with the support you want!

AHSE2199A: Special Topics in Arts, Humanities and Social Science:

Engineering in Context: History, Society, and the Environment

Instructor(s): Rob Martello

Credits: 2 *or* 4

Course Description: "We shape our buildings; thereafter, they shape us." - Winston Churchill, 1943. Engineering, science, technology, and math are fundamentally human endeavors, socially constructed and society-shaping. The mechanisms of this dialogue between humans, humanity, and the technical world are endlessly complex and eternally fascinating. Each student in this course will select a technical course that you are concurrently taking, and you will explore that course (and the larger STEM discipline) through lenses such as its historical, ethical, environmental, and societal (political, economic…) contexts and implications. We will engage in common readings and projects intended to build a critical thinking toolkit for historical and contextual study, and students will also explore their chosen technical course individually or in small groups.

This is a first-time course offering and in taking it you will help to design and improve how it will operate in the future. This course represents a novel approach towards interdisciplinary integration: you get to choose the course we'll connect with, and all of us will deepen the connection. Join the fun and let's build something exciting!

AHSE2199B: Special Topics in Arts, Humanities and Social Science:

Real World Lessons in Creating Impact

Instructor(s): Gilda Barabino, Gillian Epstein, Leif Jentoft, Lawrence Neeley

Credits: 2

Hours: 3-0-3

Course Description: In this 2-credit course, students will explore the stories of different approaches to marshaling the resources required to create impact, from startups to philanthropic endeavors to political activism. The course will be structured as a seminar, involving guest speakers and interactive case studies.

The faculty and the guest speakers will bring their personal experiences as well as their intellectual understanding of the issues to this discussion. Ultimately your learning from the course will draw on your ability to understand the principles that you can infer from the readings and speakers and on your ability to reflect on what those principles mean for you, your personal and professional development, and your career.

This course is about you, as much as it is about the concepts we discuss. Course activities will include reading, guest lectures from entrepreneurs, philanthropists, business leaders, group discussion and debate, and writing.

ENGR3499: Special Topics in Electrical & Computer Engineering:

Introduction to Power Electronics

Instructor(s): Beat Arnet

Credits: 4

Hours: 4-4-4

Pre-requisite: ISIM

Co-requisite: Circuits

Course Description: In this course, the student will learn the fundamentals of power electronics with a focus on different types of DC-DC converters. The theory is taught in a hands-on fashion through simulation-based analysis and lab work. Topics covered include power converter topologies, selection of power semiconductors, loss modeling, gate driver design, magnetics design, cycle-cycle current control, as well as debugging and testing techniques. Each student will design and realize a power converter, which entails schematic capture, board layout and the manufacture of a custom inductor or transformer.

ENGR3499A: Special Topics in Electrical & Computer Engineering:

Satellite Systems

Instructor(s): Whitney Lohmeyer

Credits: 4

Hours: 3-0-9

Course Description: This course provides students with the opportunity to learn about the multifaceted engineering discipline of satellite systems including both technical theory and policy surrounding most satellite systems. The primary technical areas covered are orbital mechanics and satellite communications design (link budgets, availability, propagation impacts). To gain insight into the policy and regulatory hurdles the satellite industry faces, students will also dive into orbital debris mitigation (understanding the legalities, or lack thereof, of launching and deorbiting spacecraft) and spectrum management (licensing spacecraft through the Federal Communications Commission (FCC) and the International Telecommunications Union (ITU)). Additionally, students will gain insights into industry tools like STK and NASA's Orbital Debris Assessment software and build upon each of the lessons learned throughout the course. Throughout the semester, students will also work on a semester-long, course-based research project combining material in the class to investigate current policy related issues that the industry is facing. These projects will be presented multiple times so that students also have the opportunity to develop technical writing and presentation skills.

ENGR3599: Special Topics in Computing:

Scientific Computing

Instructor(s): Carrie Nugent
Credits: 4ENGR or 4SCI
Hours: 4-0-8
Pre-requisite(s): Software Design, or instructor permission
Course Description: Computer models give scientists insight into physical phenomena at all imaginable scales- from subatomic to the size of the universe. They teach us how glass molecules interact, how fireflies and ants organize, how Neptune's core rotates, and how to predict the weather. In this class, you will learn more advanced modeling techniques. You will write more complex code that takes longer to run and will learn to make smart choices when it comes to making things simple, but not too simple. Take this course if you want to know how code works on a fundamental level. If you love installing Python libraries and don't particularly care how they work, this will probably not be a satisfying course for you.

ENGR3599A: Special Topics in Computing:

Advanced Algorithms

Student Instructor(s): Gati Aher, Sam Coleman, Zoe McGinnis
Faculty Advisor(s): Rob Martello (pedagogy), Paul Ruvolo (content)
Credits: 4
Registration Notes: This is a student-led course
Pre-requisite(s): Discrete Math recommended but not required
Course Description: Advanced Algorithms will provide an in-depth look into certain advanced algorithms that are beyond the scope of a traditional data structures and algorithms course. The topics this course would cover are: network flow, linear programming, NP-completeness, heuristic algorithms, integer programming, SAT, and approximation algorithms. Throughout this course students will: develop and iterate on an approach to solving software engineering problems, learn to communicate and collaborate on advanced algorithm application and implementation, understand why specific advanced algorithms are used, and effectively and efficiently solve problems by using advanced algorithms.

SCI1199: Special Topics in Physics:

Electricity and Magnetism

Instructor(s): Andy Neely
Credits: 4
Hours: 4-0-8
Course Description: Electricity and magnetism, including electric charges, forces, and fields, Gauss's Law, potential, electrostatic energy and capacitors, magnetic fields and energy, mutual and self-induction, Ampere's Law, Maxwell's Equations and electromagnetic waves.

Nationwide Eclipse Ballooning Project – ISR/G

*Can be taken P/NC or graded
*2-4 credits

*Could be used to satisfy the advanced ME elective requirement with permission of instructor; or *potentially* count as a Design Depth (if taken as 4cr) – *this is tentative*.
*Faculty advisor: Chris Lee (contact if any questions)

Olin College is partnering with the Center for Space Physics at Boston University to field a team for the NASA-funded Nationwide Eclipse Ballooning Project (https://eclipse.montana.edu/). Teams will launch scientific instrumentation via weather balloons into the stratosphere during two solar eclipses: an annular eclipse on Oct. 14, 2023, and a total solar eclipse on April 8, 2024. Students will begin with a background study of past eclipse balloon flights and learn about common platforms and payloads. We'll work with our collaborators to identify specific scientific experiments, then begin to design the mission including selection and integration of sensors, data acquisition and processing systems, and ground station communication hardware with a high-altitude balloon system. This will require integrating mechanical design, electronics, and software/firmware programming. Students will be able to continue with the project in the summer of 2023 as paid interns and travel to the eclipse sites to carry out the missions.

Didn't find the course you're looking for? Check the course browser at
https://my.olin.edu/ICS/Course_Schedules.jnz

Area	Course #	Sect #	Course Title	Instructor / Teaching Team	Time	Location: MAC (unless noted otherwise)	Credits	Enroll Limits	Waitlist	Notes	Curriculum Role
AHS	AHSE0112	01	AHSE0112: The Olin Conductorless Orchestra	Dabby, Diana	R 6-8:40pm	318 328	1	no cap	N/A		AHS
AHS	AHSE2150_SCI1250	01	AHSE2150_SCI1250: Six Microbes that Changed the World with Laboratory	Huang, Jean; Martello, Rob	MR 9:20am-12:00pm	417 406	8	24	6	8 credit course	AHS Elective & SCI - Bio Foundatin
AHS	AHSE2160_SCI1260	01	AHSE2160_SCI1260: The Intersection of Biology, Art and Technology with Laboratory	Donis-Keller, Helen	TF 9:20am-12:00pm	313 406	8	20	5	8 credit course	AHS Elective & SCI - Bio Foundatin
AHS	AHSE2199	01	AHSE2199: Special Topics in Arts, Humanities and Social Science: Writing Gets Real	Epstein, Gillian	TF 1:00pm-2:40pm	328	2	26	5	Session I	AHS
AHS	AHSE2199A	01	AHSE2199A: Special Topics in Arts, Humanities and Social Science: Engineering in Context: History, Society, and the Environment	Martello, Rob	TF 10:20am-12:00pm	318	2 or 4	35	10	Students will have the choice to select 2 or 4 credits at time of registration	AHS Elective
AHS	AHSE2199B	01	AHSE2199B: Special Topics in Arts, Humanities and Social Science: Real World Lessons in Creating Impact	Barabino, Gilda; Epstein, Gillian; Jentoft, Leif; Neeley, Lawrence	R 6-8:00pm	126	2	18	5		AHS Elective
AHS	AHSE3190	01	AHSE3190: Arts, Humanties, Social Science Capstone Preparatory Workshop	Epstein, Gillian	NA	N/A	1	N/A	N/A		AHS
AHS	AHSE4190	01	AHSE4190: AHS Capstone Project	Epstein, Gillian	M 2:50pm-5:30pm	Library	4	25	5		AHS
CAPSTONE	ENGR4190	01	ENGR4190: SCOPE: Senior Capstone Program in Engineering	Bloomer, Sarah; Ferzoco, Alessandra; Neeley, Lawrence; Stein, Lynn	W 8:30am-5:30pm F 8:30am-10:10am	Varied	4	90	N/A	Students will be pre-registered based on FA22 enrollment	CAPSTONE
CAPSTONE	ENGR4290	01	ENGR4290: Affordable Design and Entrepreneurship Engineering Capstone	Graeff, Erhardt; Johansen, Elizabeth; Linder, Benjamin; Majluf, Francesca; Taha, Kofi	T 3:30-6:30pm R 3:30-5:30pm	Weissman Foundry	4	20	5		CAPSTONE
CAPSTONE	ENGR4599	01	ENGR4599: Senior Capstone Alternative: Entrepeneurial Engineering Capstone	Harris, Scott; Miller, Scott	W 1-5:00pm	126	4	N/A	N/A	Students will be pre-registered based on FA22 enrollment	CAPSTONE
Cross-listed	ENGR3235_or_SCI2235	01	ENGR3235_or_SCI2235: Biomimicry	Huang, Jean; Linder, Benjamin	TF 1:00pm-2:40pm	213	4	24	6		DSN Depth or Adv Bio
Cross-listed	SCI2235_or_ENGR3235	01	SCI2235_OR_ENGR3235: Biomimicry	Huang, Jean; Linder, Benjamin	TF 1:00pm-2:40pm	213	4	24	6		Adv Bio or Dsn Depth

Area	Course #	Sect #	Course Title	Instructor / Teaching Team	Time	Location: MAC (unless noted otherwise)	Credits	Enroll Limits	Waitlist	Notes	Curriculum Role
DSN	ENGR2250	01-03	ENGR2250: Collaborative Design	Adler, Jonathan; Bloomer, Sarah; Chachra, Debbie; Hendren, Sara; Linder, Benjamin; Zastavker, Yevgeniya	MR 1:00pm-3:30pm	204 206 209	4	96	10	Formerly UOCD	DESIGN Fnd
DSN	ENGR3240	01	ENGR3240: Tell the Story of What You Make	Ferguson Sauder, Tim	MR 1:00-3:30pm	417	4	25	5		DESIGN Dpth
DSN	ENGR3290	01	ENGR3290: Affordable Design and Entrepreneurship	Graeff, Erhardt; Johansen, Elizabeth; Linder, Benjamin; Majluf, Francesca; Taha, Kofi	T 3:30-6:30pm R 3:30-5:30pm	Weissman Foundry	4	10	10		DESIGN Dpth
E:C	ENGR2510	01	ENGR2510: Software Design	Graeff, Erhardt; Matsumoto, Steve; Millner, Amon	TF 10:20am-12:00pm	417	4	25	5		Core E:C/Core ECE
E:C	ENGR2510	02	ENGR2510: Software Design	Graeff, Erhardt; Matsumoto, Steve; Millner, Amon	TF 1:00pm-2:40pm	318	4	25	5		Core E:C/Core ECE
E:C	ENGR2510	03	ENGR2510: Software Design	Graeff, Erhardt; Matsumoto, Steve; Millner, Amon	TF 1:00pm-2:40pm	326	4	25	5		Core E:C/Core ECE
E:C	ENGR3520	01	ENGR3520: Foundations of Computer Science	Pucella, Riccardo	M 6:00pm-8:40pm	126	4	30	5		Core E:C
E:C	ENGR3525	01	ENGR3525: Software Systems	Matsumoto, Steve	TF 2:50pm-4:30pm	326	4	35	5		Core E:C
E:C	ENGR3599	01	ENGR3599: Special Topics in Computing: Scientific Computing	Nugent, Carrie	MR 1:00pm-2:40pm	318	4	16	5		Core E:C; Computing Elective
E:C	ENGR3599A	SL	ENGR3599A-SL: Special Topics in Computing: Advanced Algorithms	Ruvolo, Paul (content advisor); Student instructors: Aher, Gati; Coleman, Sam; McGinnis, Zoe	MR 6:00pm-7:40pm	326	4	15	10	Student led course	Computing Elective
E:ROBO	ENGR3390	01	ENGR3390: Fundamentals of Robotics	Barrett, Dave; Mbanisi, Kene	TF 1:00pm-2:40pm	128	4	30	10		Core E:Robo_ME Elective
E:ROBO	ENGR3392	01	ENGR3392: Robotics Systems Integration	Malley, Melinda; Mbanisi, Kene	TF 2:50pm-4:30pm	306	4	24	5		Core E:Robo_ME Elective

Area	Course #	Sect #	Course Title	Instructor / Teaching Team	Time	Location: MAC (unless noted otherwise)	Credits	Enroll Limits	Waitlist	Notes	Curriculum Role
ECE	ENGR2420	01	ENGR2420: Intro Microelectronic Circuits with laboratory	Minch, Brad	MR 8:30am-10:10am M 3:40pm-5:20pm (Lab)	309	4	30	5		Core ECE
ECE	ENGR3499	01	ENGR3499: Special Topics in Electrical & Computer Engineering: Introduction to Power Electronics	Arnet, Beat	MR 10:20am-12:00pm	309	4	20	5		ECE Elective
ECE	ENGR3499A	01	ENGR3499A: Special Topics in Electrical & Computer Engineering: Satellite Systems	Lohmeyer, Whitney	T 6:00pm-8:40pm	126	4	20	10		ECE Elective; or ME Elective
ENGR	ENGR1330	01	ENGR1330: Fundamentals of Machine Shop Operations	Mulligan, John	W 10:00am-12:00pm W 1:00pm-3:30pm	Machine Shop	4	6	6		ELECTIVE
ENTRP	AHSE1515	01	AHSE1515: Products and Markets	Bloomer, Sarah; Ger, Donald; Pratt, Joanne; Sauder, Tim	MR 9:20am-12:00pm	MH120 318 326 328	4	92	N/A		ENTRP Fnd
ENTRP	AHSE2515	01	AHSE2515: Iterate	Neeley, Lawrence	TF 10:20am-12:00pm	126	4	25	10		ENTRP
FYR	ENGR1125	01	ENGR1125: Introduction to Sensors, Instrumentation and Measurement	Goenka, Chhavi; Minch, Brad; Neely, Andy; Vanasupa, Linda	MR 2:50pm-4:30pm	428	4	25	5		Required ENGR
FYR	ENGR1125	02	ENGR1125: Introduction to Sensors, Instrumentation and Measurement	Goenka, Chhavi; Minch, Brad; Neely, Andy; Vanasupa, Linda	TF 8:30am-10:10am	428	4	25	5		Required ENGR
FYR	ENGR1125	03	ENGR1125: Introduction to Sensors, Instrumentation and Measurement	Goenka, Chhavi; Minch, Brad; Neely, Andy; Vanasupa, Linda	TF 10:20am-12:00pm	428	4	25	5		Required ENGR
FYR	ENGR1125	04	ENGR1125: Introduction to Sensors, Instrumentation and Measurement	Goenka, Chhavi; Minch, Brad; Neely, Andy; Vanasupa, Linda	TF 2:50pm-4:30pm	428	4	25	5		Required ENGR
Interdisciplinary	CIE2223E	01	CIE2223E: Curriculum Innovation Prototype: Environmental Consulting at Olin	Nugent, Carrie; Rodgers, Claire	TF 10:20am-12:00pm	326	4	16	5	Previous students can enroll again- this is a class that can be taken multiple times.	E:Sust Adv; Design Depth; alternative for Mat Sci
Interdisciplinary	CIE2223M	01	CIE2223M: Curriculum Innovation Prototype: K12 Outreach: Mathematics and Engineering for Everyone	Adams, Sarah; Martello, Rob; Somerville, Mark	MR 8:30am-10:10am	126	4	30	20	Students must also elect one lab session: Lab A: M 3:31PM-5:30PM Lab B: W 3:31pm-5:30pm	Varied
Interdisciplinary	CIE_MEE	A or B	CIE_MEE: Curriculum Innovation Prototype: K12 Outreach: Mathematics and Engineering for Everyone	Adams, Sarah; Martello, Rob; Somerville, Mark	Lab A: M 3:31pm-5:30pm Lab B: W 3:31pm-5:30pm	NA	NA	15	10	Students must also enroll in CIE2223M	

Area	Course #	Sect #	Course Title	Instructor / Teaching Team	Time	Location: MAC (unless noted otherwise)	Credits	Enroll Limits	Waitlist	Notes	Curriculum Role
Interdisciplinary	CIE2223P	01	CIE2223P: Curriculum Innovation Prototype: Social Technology Enterprise with Purpose (STEP)	Ferzoco, Alessandra; Ruvolo, Paul	T 9:00am-12:00pm F 10:20am-12:00pm	218	12	18	6	Experimental Grading Students must also elect one lab session: Lab A: MR 1:00pm-2:40pm Lab B: TF 2:50pm-4:30pm	TBD / Interdisciplinary - Talk to us about crediting
Interdisciplinary	CIE_STEP	A or B	CIE_STEP: Curriculum Innovation Prototype: Social Technology Enterprise with Purpose (STEP)	Ferzoco, Alessandra; Ruvolo, Paul	Lab A: MR 1:00pm-2:40pm Lab B: TF 2:50pm-4:30pm	218	NA	9		Must be taken with CIE2223P	
Interdisciplinary	ENGR2340	01	ENGR2340: Engineering Systems Analysis: Dynamics (2 cr)	Lee, Chris; Sommerville, Mark	MR 10:20am-12:00pm	113 126	2	32	10	Session II must be taken with ENGX2134	Core ME
Interdisciplinary	ENGR2410	01	ENGR2410: Engineering Systems Analysis: Signals (2 cr)	Goenka, Chhavi	TF 1:00pm-2:40pm	304	2	30	5	Session II must be taken with ENGX2134	Core ECE
Interdisciplinary	ENGR3531_MTH2131	01	ENGR3531_MTH2131: Data Science	del Rosario, Zachary	MR 3:40pm-5:20pm	113	2+2	30	5		ProbStat Requirement_E:C elective
Interdisciplinary	ENGX2005	01	ENGX2005: Quantitative Engineering Analysis 2	Geddes, John; Malley, Melinda; Shuman, David	MR 1:00pm-2:40pm	113 126 128	4	92	N/A		Required ENGR
Interdisciplinary	ENGX2134	01	ENGX2134: Engineering Systems Analysis (2cr)	Goenka, Chhavi; Lee, Chris; Sommerville, Mark	MR 10:20am-12:00pm	113 126 128	2	60	5	Session I	Requirement - ME, ECE
ME	ENGR2320	01	ENGR2320: Mechanics of Solids & Structures	Lee, Chris	MWR 8:30am-10:10am	113	4	35	5		Core ME
ME	ENGR2330	01	ENGR2330: Introduction to Mechanical Prototyping	Faas, Daniela	TF 2:50pm-4:30pm	128	4	40	10		ELECTIVE
ME	ENGR3355	01	ENGR3355: Intermediate Thermodynamics	Tow, Emily	TF 2:50pm-4:30pm	328	2	75	10	Session I	Core ME
ME	ENGR3365	01	ENGR3365: Intermediate Transport Phenomena	Tow, Emily	TF 2:50pm-4:30pm	328	2	75	10	Session II	Core ME
~~ME~~	~~ENGR3370~~	~~01~~	~~ENGR3370: Controls~~	~~Barragan, Patrick~~	~~T 9:00am-12:00pm~~	~~328~~	~~4~~	~~24~~	~~10~~	*CANCELLED*	~~ME Elective/ECE Elective~~
MTH	MTH3120	01	MTH3120: Partial Differential Equations	Geddes, John	MR 3:40pm-5:20pm	126	4	30	5		ADV MATH

Area	Course #	Sect #	Course Title	Instructor / Teaching Team	Time	Location: MAC (unless noted otherwise)	Credits	Enroll Limits	Waitlist	Notes	Curriculum Role
SCI	SCI1199	01	SCI1199: Special Topics in Physics: Electricity and Magnetism	Neely, Andy	MR 1:00pm-2:40pm	309	4	18	NA		SCI Elective
SCI	SCI1250_AHSE2150	01	SCI1250_AHSE2150: Six Microbes that Changed the World with Laboratory	Huang, Jean; Martello, Rob	MR 9:20am-12:00pm	417 406	8	24	6	8 credit course	SCI - Bio Foundation & AHS Elective
SCI	SCI1260_AHSE2160	01	SCI1260_AHSE2160: The Intersection of Biology, Art and Technology	Donis-Keller, Helen	TF 9:20am-12:00pm	313 406	8	20	5	8 credit course	SCI - Bio Foundation & AHS Elective
SCI	SCI1320	01	SCI1320: Paper Panacea: Part I with Laboratory	Vanasupa, Linda	MR 9:20am-12:00pm	409 413	4	16	NA		SCI - MatSci Chem Requirement
SCI	SCI1410	01	SCI1410: Materials Science and Solid State Chemistry	Neal, Matt	TR 6:00pm-8:40pm	413	4	21	10		SCI - MatSci Chem Requirement
SCI	SCI1440	01	SCI1440 Materials Creation, Consumption, and Impact	Stolk, Jon	TF 9:20am-12:00pm	413	4	21	10		SCI - MatSci Chem Requirement
ADMIN	AWAY1000	01	AWAY1000: The Study Away Program	Administration	N/A	N/A	4	N/A	N/A	Enroll in this course if you will be studying away in the spring 2023 semester	
ADMIN	OIP1000	01	The Olin Internship Practicuum I	Alcott, Suzanne	N/A	N/A	1	N/A	N/A	See Post Graduate Planning to Enroll	
ADMIN	OIP1001	01	The Olin Internship Practicuum II	Alcott, Suzanne	N/A	N/A	1	N/A	N/A	See Post Graduate Planning to Enroll	

Color Key-Offering Blocks	ECE	ME	ENGR / DSN Courses	ENGR/Foundation Requirement	INTEGRATED OFFERING (colored via discipline blending)	CIE

Monday

8:30 AM

ENGR2320: Mechanics of Solids & Structures — 113

ENGR2420 Intro Microelectronic Circuits w/ Lab — 309

CIE2223M Math and Engineering For Everyone — 126

9:20AM

AHSE1515 Products & Markets — MH120 318/326/328

SCI 1320 Paper Panacea: Part I w/ Lab — 409 413

SCI1250_and_AHSE2150 Six Microbes that Changed the World — 417 406

10:10 AM

10:20 AM

ENGR3499: Intro to Power Electronics — 309

Session I ENGX2134 Engr Systems Analysis (ESA) — 113/126/128

Session II ENGR 2340 ESA: Dynamics — 113/126

12:00 PM

LUNCH

1:00 PM

ENGR 2250 sections 01-03 Collaborative Design — 1-3:30pm — 204/206/209

ENGR3240 Tell the Story of What You Make — 1-3:30pm — 417

ENGX2005 Quantitative Engineering Analysis 2 — 113/126/128

SCI1199: SpecTop: Electricity and Magnetism — 309

CIE_STEP Social Tech Enterprise w/ Purpose (STEP) **LAB A** — 218

ENGR3599: ST in Computing: Scientific Computing — 318

2:40 PM

2:50 PM

MTH2131_ENGR3531: Data Science — 3:40 - 5:20pm — 113

CIE_MEE Math and Engineering For Everyone **Lab A** — 3:31-5:30pm

ENGR 1125 sections: 01 — ISIM — 428

AHSE4190 AHS Capstone — Library

MTH 3120 Partial Differential Equations — 3:40-5:20pm

ENGR2420 Intro Microelectronic Circuits w/ LAB — 3:40pm-5:20pm — 309

4:30 PM

5:30 PM

6:00 PM

ENGR3520 Foundations of Computer Science — 126

ENGR3599A-SL Advanced Algorithms — 326

7:40 PM

8:40 PM

Tuesday

8:30 AM

CIE2223P Social Tech Enterprise w/ Purpose (STEP) — 9am-12pm — 218

ENGR 1125 sectio: 02 — ISIM — 428

9:20AM

10:10 AM

10:20 AM

ENGR1125 section: 03 — ISIM — 428

ENGR 2510 section 01 Software Design — 417

AHSE 2199A Engineering in Context — 318

AHSE 2515 Iterate — 126

CIE2223E Environmental Consulting at Olin — 326

SCI1440 Materials Creation, Consumption and Impact — 413

SCI1260_and_AHSE2160 Intersection Biology, Art and Technology w/ Lab — 313 406

12:00 PM

LUNCH

1:00 PM

ENGR 2510 section 02 Software Design — 318

ENGR 2510 section 03 Software Design — 326

ENGR 3235 or SCI 2235 Biomimicry — 213

Session II ENGR 2410 ESA: Signals — 304

ENGR 3390 Fundamentals of Robotics — 128

Session I AHSE2199 Writing Gets Real — 328

2:40 PM

2:50 PM

ENGR 1125 section 04 — ISIM — 428

ENGR2330: Mechanical Prototyping — 128

ENGR 3392 Robotics Systems Integration — 306

Session I ENGR3355 Inter Thermodynamics — 328

Session II ENGR 3365 Inter Transport — 328

ENGR 3525 Software Systems — 326

CIE_STEP Social Tech Enterprise w/ Purpose (STEP) **LAB B** — 218

ENGR 3290 & 4290 Affordable Design & Entrp — Tues 3:30-6:30p Thurs 3:30-5:30p — Weissman Foundry

4:30 PM

5:30 PM

6:00 PM

SCI1410 Materials Science and Solid State Chemistry — 413

ENGR3499A Satellite Systems — 126

7:40 PM

8:40 PM

Wednesday

8:30 AM

ENGR2320: Mechanics of Solids & Structures — 113

ENGR 4190 SCOPE — 8:30am-5:30pm

9:20AM

ENGR 1330 Fundamentals of Machine Shop Operations — *10-12pm* — Machine Shop

10:10 AM

10:20 AM

Academic Life Meeting

11am-12:30pm

12:00 PM

LUNCH

1:00 PM

ENGR 1330 Fundamentals of Machine Shop Operations — *1-3:30pm* — Machine Shop

ENGR4599 Entrepreneurial Capstone Alternative (EEC) — *1-5pm* — 126

2:40 PM

2:50 PM

CIE_MEE Math and Engineering For Everyone **Lab B**

4:30 PM

5:30 PM

6:00 PM

7:40 PM

8:40 PM

AHSE	SCI	Math		Color Key-Offering Blocks
Thursday		**Friday**		
	ENGR2420 Intro Microelectronic Circuits w/ Lab 309	ENGR2320: Mechanics of Solids & Structures 113	CIE2223M Math and Engineering For Everyone 126	SCI 1320 Paper Panacea: Part I w/ Lab 409 413	SCI1250_and_AHSE2150 Six Microbes that Changed the World 417 406	ENGR 1125 sections: 02 ISIM 428	ENGR 4190 SCOPE	SCI1440 Materials Creation, Consumption and Impact 413	SCI1260_and_AHSE2160 Intersection Biology, Art and Technology w/ Lab 313 406	8:30 AM
AHSE1515 Products & Markets MH120 318/326/328	ENGR3499: Intro to Power Electronics 309	Session I ENGX2134 Engr Systems Analysis (ESA) 113/126/128	Session II ENGR 2340: ESA: Dynamics 113/126			CIE2223P Social Tech Enterprise w/ Purpose (STEP) 218	ENGR1125 sections: 03 ISIM 428	ENGR 2510 section 01 Software Design 417	AHSE2199A Engineering in Context 318	AHSE 2515 Iterate 126	CIE2223E Environmental Consulting at Olin 326	9:20 AM 10:10 AM 10:20 AM 12:00 PM
LUNCH						LUNCH						
ENGR 2250 sections 01-03 Collaborative Design 1-3:30pm 204/206/209	ENGX2005 Quantitative Engineering Analysis 2 113/126/128	SCI1199: SpecTop: Electricity and Magnetism 309	ENGR3599: ST in Computing: Scientific Computing 318	ENGR3240 Tell the Story of What You Make 1-3:30pm 417	CIE_STEP Social Tech Enterprise w/ Purpose (STEP) **LAB A** 218	ENGR 2510 section 02 Software Design 318	ENGR 2510 section 03 Software Design 326	ENGR 3235 or SCI 2235 Biomimicry 213	Session II ENGR 22410 ESA: Signals 304	ENGR 3390 Fundamentals of Robotics 128	Session I AHSE2199: Writing Gets Real 328	1:00 PM 2:40 PM
ENGR 3290 & 4290 ADE Tues 3:30-6:30p Thurs 3:30-5:30p Weissman Foundry	MTH 3120 Partial Differential Equations 3:40-5:20pm 126	ENGR 1125 sections: 01 ISIM 428	MTH2131_ENGR3531: Data Science 3:40 - 5:20pm 113			ENGR 1125 sections: 04 ISIM 428	CIE_STEP Social Tech Enterprise w/ Purpose (STEP) **LAB B** 218	ENGR 3525 Software Systems 326	ENGR2330: Mechanical Prototyping 128	ENGR 3392 Robotics Systems Integration 306	Session I ENGR3355 Inter Thermodynamics 328 Session II ENGR 3365 Inter Transport 328	2:50 PM 4:30 PM
AHSE 0112 Olin Conductorless Orchestra MAC 318 / 328	ENGR3599A-SL Advanced Algorithms 326	SCI1410 Materials Science and Solid State Chemistry 413	AHSE2199B ST in AHS: Real World Lessons in Creating Impact 6pm-8:00pm 126			**Community Time**						5:30 PM 6:00 PM 8:40 PM