Olin College Registration Booklet

Fall 2013

Classes begin Thursday, September 5, 2013

Volume 12, Number 1.4 revised 29Aug2013

Olin College Registration Booklet
Fall 2013

Table of Contents

═══

Registration Timelines
for Add; Drop and Pass/No Credit ; Withdraw

Session	Add	Drop and Pass/No Credit	Withdraw
Full Semester (Sept 5* – Dec 12)	September 18, 2013	November 7, 2013	December 12, 2013
Session I (Sept 5 – Oct 22)	September 11, 2013	October 8, 2013	October 22, 2013
Session II (Oct 24 – Dec 12)	October 30, 2013	December 4, 2013	December 12, 2013

*Add/Drop begins September 4 because of the Rosh Hashanah holiday.

Frequently Asked Questions and Instructions

What do I register for?
Students are allowed to register for a maximum of 20 credits. All students have a minimum requirement of 12 degree credits to be eligible for the Olin tuition scholarship.

The maximum credits can be distributed between **degree** and **non-degree** activities.

> **Degree** activities are defined as counting toward graduation credit and course requirements (all students must have a minimum of 12 degree credits). Examples of registered degree activities are standard courses, cross-registered courses, independent study and research for degree credit. Consult the catalog for your specific degree requirements.

> **Non-degree** activities are defined as **not** counting toward degree and subject requirements. An example is a passionate pursuit. Non-degree activities are not graded and appear on your transcript if you have met all of your objectives for the activity. Remember these do not count in your minimum requirement of 12 degree credits.

How do I choose my activities for degree and non-degree credit?
Use this booklet as a tool to assist you in preparation for advising discussions. Meet with your adviser BEFORE your registration date. Your adviser will "clear" you to register. If you are not cleared, you will not be permitted to register.

I am doing a Study Away Program next semester. Do I need to register?
YES! Students in approved semester away programs must register for a single course: **AWAY1000: Study Away Program.** This course will allow Olin to certify you as a full-time student during the semester you are away. Your approved course work will be transferred to your academic record upon receipt of a transcript from the host institution (provided you have received the minimum required grade). Note: All registrations will be cross-referenced with the Study Away Committee.

Olin Self Study, Independent Study and Research - - - How do I register?
- Olin's Self Study – Please see information on the StAR Center website for details. If you are doing an independent activity or research, you will need to complete a form with your OSS intention by the last day to add a course for the Fall 2013 semester.
- Independent Study and Research - Students interested in doing research and/or independent study must complete a Cover Sheet for Independent Study and Research. This form can be found on the forms tab of the StAR Center website.
- All forms must be received by the add deadline for the Fall 2013 semester. There are no exceptions.

I am interested in doing a Passionate Pursuit next semester. How do I register?
If you are interested in doing a Passionate Pursuit, consult the Student Handbook for FAQ's. Passionate Pursuits require approval from the Executive Committee of the Passionate Pursuit Board in addition to consent of a faculty sponsor and the student's adviser. Passionate Pursuit proposals should be sent to the chair of the executive board, the Dean of Student Life. The deadline is around mid-semester.

CROSS-REGISTRATION: How do I participate in Cross-Registration with Babson, Brandeis, or Wellesley (BBW)?

Olin students are allowed to take one course per school, per semester; with the exception of first semester freshmen. First semester freshmen are not permitted to participate in cross-registration.

When selecting a BBW course, keep in mind the time constraints of your Olin courses. Additionally, it is important to check for course pre-requisites and the enrollment. Under most circumstances, if the course is full, you will not be able to register for the course. Enrollment is generally found under course "tally" or listed with the course info. All BBW courses will be noted on your Olin degree audit by 'color' (the area of discipline). It is the student's responsibility to review the ARB approved 'coloring' on the ARB website and note the color on the cross-reg form. If a course is not found on the 'list', the student must petition the CSTB for appropriate coloring.

In order to submit a cross-registration request, use the cross-registration portlet under the MyStAR tab at http://my.olin.edu. The StAR Center will work with the host school to facilitate the registration. The following dates reflect the dates that the host school will accept cross-registration requests from Olin's StAR Center. Olin students may submit requests to the StAR Center any time before the later of the dates listed below.

> **Babson College Cross Registration dates:**
> **April 2 – September 4**
> You can find their offerings at
> https://fusionmx.babson.edu/CourseListing/index.cfm?fuseaction=CourseListing.DisplayCourseListing&blnShowHeader=true&program=Undergraduate&semester=Fall+2013&sort_by=course_number&btnSubmit=Display+Courses
>
> **Brandeis University Cross Registration dates:**
> **August 15 - September 16**
> All courses require instructor permission in writing (email) or via a permission code to submit with your request. You can find Brandeis offerings at
> http://www.brandeis.edu/registrar/bulletin/provisional/courses/index.html
>
> **Wellesley College Cross Registration dates:**
> **April 22 - June date TBA; September 3–13**
> You can find their offerings at https://courses.wellesley.edu/ . The Wellesley Registrar will NOT process requests for 100–level courses until the Wellesley add/drop period that begins September 3. Requests may be submitted earlier and they will be held for processing until then, but you won't be assured of being in the course until September.

How do I Cross-Register to Olin College?

Olin welcomes students from Babson, Brandeis and Wellesley to register for Olin courses. In general, all courses except for some first year courses are eligible for cross-registration with the permission of the Olin faculty member. BBW students should send a request for a course through their Registrar's Office to the Student Accounts and Records (StAR) Center. Cross-registration request forms can be found at the home institution. Visit http://star.olin.edu for more information.

What About Co-Curriculars?

Registration and descriptions for co-curriculars will be released during the add period in September.   If you have a particular interest in a co-curricular that you would like to see offered, you are encouraged to seek out a "faculty/staff" sponsor before the end of this semester and notify the Dean of Student Life. Co-curricular offerings will be posted at http://star.olin.edu.

How and When Do I Register?

Registration is done online using https://my.olin.edu . The Portal is now in use for registration. There are FAQs listed in the portal site so as to be accessible to you while logged in.

Here are some useful tips from Olin's Information Technology Department:

During course registration sessions, the IT Help Desk often receives reports about my.olin.edu being slow or unresponsive. In almost all cases, this is due to an excessive and often unnecessary workload placed on the system. By following these guidelines, you can help minimize this load and increase system responsiveness:

- Please use only one browser tab on one computer. In past sessions, some students were connecting from as many as four different computers or opening multiple sessions in multiple tabs. Each additional session consumes resources on the server and only serves to slow the system down.
- Please be patient and do not refresh the page. This causes the background system processing for the same task to be executed multiple times, adding additional load to the system.
- Please remember that everyone else in your group is trying to register at the same time. As much as we would like the system to be as responsive as it is during non-registration periods, this simply cannot happen when over 60 students are attempting to register for classes at the exact same moment. It takes time for the system to process all incoming requests and reconcile them with each other.
- Please avoid using the system during other groups' registration times. Again, this adds additional work to an already busy system.

With the exception of one session, we have seen the fewest slowdowns and smallest workloads on the registration system in the recent past than we have seen in several years thanks to many students following these guidelines.

We do realize the importance of registration to every student on campus. If you encounter errors from either sis.olin.edu or my.olin.edu during the registration process, please take a screenshot of the error you receive and send it, along with a detailed description of what you were doing when it occurred, to helpdesk@olin.edu so that we can resolve the issue as quickly as possible.

REGISTRATION TIMES:

On-line registration will take place April 8-11 during the evening hours. You can see your registration date and time by logging on to https://my.olin.edu ; select the session FA and year 2013; access the 'Registration/Add Drop' menu from the left frame.

(Registration will be open to cleared and eligible students only. A cleared student is one who has met with his/her adviser and has no HOLDS (e.g. has a declared major on file with the StAR Center). An eligible student is one who does not have an outstanding financial balance with the college.)

When is the Add Period – the Drop Period – the last day to withdraw from a course? – REFERENCE HANDY CHART at beginning of this Booklet.

The Add period is the first 10 class days of the semester.* The Add period will begin on September 4, 2013* and end on September 18, 2013. Add requests can be processed in person at the StAR Center and on-line. Add/Drop forms can be found at http://star.olin.edu.

The Drop period begins September 4, 2013* and ends November 7, 2013 (for ½ session deadlines see chart). During this time, students can alter their schedule as long as they remain in a minimum of 12 credits of degree activities. A "drop" is removed from the student schedule and does not appear on transcripts. Drops and withdrawals after the add period require a hard copy form and must be processed at the StAR Center. There are no on-line drops after the add period ends.

The last day to withdraw from a course is the last day of instruction.

Waitlists

Waitlists are available on most courses. In sis.olin.edu, a waitlist comment is included in the course catalog offering section by clicking on the "VIEW" button under requirements if there is indeed a waitlist.

Cancellations

Note that all courses listed each semester are subject to cancellation due to insufficient enrollment.

Textbooks

Pursuant to the Higher Education Opportunity Act (HEOA) of 2008, information regarding required and recommended textbooks and supplemental course material may be viewed from the Olin's internet course schedule via https://my.olin.edu .

* The Add/Drop period normally begins on the first day of classes. It begins one day earlier in Fall 2013 because of the Rosh Hashanah holiday.

Fall 2013 Supplement to Current Course Catalog

> **Degree requirements** are outlined in the 2012-13 Course Catalog: http://wikis.olin.edu/coursecatalog/doku.php .
>
> **Course descriptions** can also be found in the 2012-13 Course Catalog. New, highlighted, and Special Topics course descriptions are listed here.

AHSE1135: The Digital Eye: Photography, Vision, and Visual Communication
Instructor: Donis-Keller
Credits: 4 AHSE
Hours: 4-0-8
AHS FOUNDATION; priority given to first year students

We live in a world that is fundamentally visual and yet formal teaching and learning about visual communication is almost entirely reserved for specialists. Similarly learning about the evolution of vision and the molecular foundations of human vision are not often dealt with in introductory biology courses. This course seeks to remedy the lack of engagement with these topics at the foundational course level. In this studio-based project-oriented course students will develop an understanding of what it takes to make original art through first-hand experiences in a supportive environment. As a means to this end, students will gain facility with digital single- lens reflex (DSLR) cameras, digital photo editing and printing methods using state-of-the-art equipment. As this is an AHS foundation course students will also have an opportunity to further develop writing communication skills and critical thinking ability. The course will also address the history of photography, consider the work of a number of contemporary fine art photographers and answer the question "Why has photography changed everything?"

AHSE 1199: Arts, Humanities and Social Science Foundation Topic
Section 01: Robots, Mutants and Monsters: Envisioning Science in Cinema
Instructor: Maruta Vitols
Credits: 4 AHSE
Hours: 4-0-8
AHS FOUNDATION; priority given to first year students

Throughout the history of cinema, filmmakers have experienced both fascination with and fear of technology. Contemporary scientific advancements have inspired countless cinematic representations that express cultural excitement, ethical concern and social anxiety regarding such innovations as artificial intelligence and nuclear engineering. By placing such films as Metropolis (1927), 2001: A Space Odyssey (1968), and The Matrix (1999) in their historical and cultural contexts, this course will consider multiple approaches to the representation of science on screen.

AHSE 1199: Arts, Humanities and Social Science Foundation Topic
Section 02: Media Revolution: Activism and Technology
Instructor: Maruta Vitols
Credits: 4 AHSE
Hours: 4-0-8
AHS FOUNDATION; priority given to first year students

Since their inceptions, radio, film and television have been utilized for political purposes. Yet the advent of digital technology has profoundly altered the traditional relationships between media and activism. From "hacktivism" to the events of the Arab Spring, new media provide an influential contemporary forum for advocating for change. This course explores the way media are employed for political and social purposes, investigating the different approaches used today to transform our virtual and real worlds.

ENGR1199: Special Topics in Engineering
Introduction to the Microelectronics and Nanotechnology Revolution
Instructor: S. Kerns
Credits: 4 ENGR
Hours: 4-0-8

This course will develop the general scientific and engineering underpinnings of microelectronics and nanotechnology, and examine how this new technological revolution is influencing a broad array of interdisciplinary fields (engineering, biology, biomedical engineering, material science, chemistry, physics, medicine, technology, management) and civilization as a whole (art, business, film, entertainment, politics). Special "widget deconstruction" topics will address common pieces of modern technology (e.g., cell phone, flash drive, GPS, DVD, digital camera) from the perspective of: "How do they do what they do?"; "How does microelectronics & nanotechnology plan in that functionality?"; and "Where is the technology going and how will it

change the way we live our lives?" Student-led "round-table" discussions will examine the transformational impact of the microelectronics and nanotechnology revolution on modern society. No special knowledge of electrical and computer engineering is assumed, but the class will be highly interactive and student participation is key.

ENGR1199A: Special Topics in Engineering
Energy Systems in Urban Design
Instructor: Mechtenberg
Credits: 4 ENGR
Hours: 4-0-8

Students analyze three business as usual (BAU) urban environments as they relate to energy systems: Boston (US), Kampala (Uganda), and Colombo (Sri Lanka). Estimation and normalization of city design, energy systems' stocks and flows, and potential district energy systems will develop skills in evaluating urban development/redevelopment plans (including LEED for Neighborhood Development). Final project will be to design a multiple-acre site that incorporates a comprehensive energy scenario approach (levels of renewable energy implementation, infrastructure design, transportation). GIS mapping with Energy Plus/Homer Energy simulations will be used for scenario projections. Prototyping small-scale models of the energy-focused urban design can be built with working solar panels, wind turbines, etc. This is a broad design/energy course which looks at the historical and future trajectories of energy systems in the built environment.
https://sites.google.com/site/energysystemsinurbandesign/ ENGR 2199A/SCI2099A: Special Topics in Engineering
Regional Analysis in Development
Instructor: Staff
Credits: 2 ENGR, 2 SCI
Hours: 4-0-8
Prerequisites: MTH 1111 and SCI 1111 or Permission of Instructor(s)

Students perform qualitative and quantitative analyses at the regional level to identify gaps in available programs and technologies and opportunities for alleviating suffering. For example, a student might study maternal health within a selected area of Sub-Saharan Africa.
Topics and regions are chosen based on student interest, levels of unmet need and other factors. In most cases, students will gain first-hand experience with the devices, such as water filters and clean cook stoves, indicative of the technologies in their topic areas.
Analyses will be performed using a range of modeling tools and data sets informed by the published literature. Students will work to develop insights that allow them to take unique perspectives on challenges in development, which they will write up in formal topic briefings and potentially publish.
This course provides valuable preparation for students planning to enroll in ENGR 3290/4290 Affordable Design and Entrepreneurship (ADE) or perform research in or work in international development. Wellesley and Babson students are encouraged to enroll.

ENGR 3199: Special Topics in Engineering
Elecanisms
Instructors: Minch, Hoover
Credits: 4 ENGR
Hours: 2-4-6
Prerequisites: ENGR 2210 and at least one of ENGR 2330, ENGR 3330, ENGR 2420, or ENGR 3410

This course can be used to satisfy either the ME and ECE advanced elective requirements.
Mechatronics involves the synergistic integration of mechanical engineering with electronics and intelligent computer control in the design of products. In this course, we will develop topics critical to the engineering of modern mechatronic systems including electromechanical actuators (e.g., DC motors, stepper motors, and solenoids), practical electronics design including interfacing sensors and actuators to embedded processors, and embedded software design in the C programming language. During the first part of the course, students will work in small groups on a series of miniprojects to gain experience with course concepts and develop core engineering competencies. During the second part of the course, students will work in teams to engineer a mechatronic system of their choosing subject to realistic constraints.

ENGR 3250: Integrated Product Design
Instructor: Linder
Credits: 4 ENGR
Hours: 4-0-8
Prerequisites: ENGR2250 or Permission of instructor(s)
For more information, contact: Lawrence Neeley, Ben Linder
Registration Note: May be used for Design Depth

You will work with industrial design students from the Massachusetts College of Art and Design (in Boston) and business students from Babson College to develop new products through projects that are student-generated. Students learn first-hand about

the techniques and contributions different disciplines bring to product design and practice collaboration common in professional design settings. This course provides valuable multidisciplinary preparation for students interested to work at design firms or develop and launch their own consumer products. Class will be held once a week and rotate among all three campuses. Babson students should enroll in MOB 3578. Wellesley students should cross-register into this course and not MOB 3578 at Babson.

ENGR 3270: Real Products, Real Markets
Instructor: Neeley
Credits: 4 ENGR
Hours: 4-0-8
Prerequisite: ENGR2250
Registration Note: Design Depth

This experimental course is intended to completely re-imagine the product design + entrepreneurship process. Each participant in the course will imagine, design, prototype, test, market and sell a product in the span of the semester. The products and customers will be real. A key measure of success will be the number of products successfully sold and shipped to complete strangers. To achieve these lofty goals, we will have to explore, understand and analyze each element of existing processes with an eye towards exploiting best practices, redesigning them when relevant and, if needed, creating processes anew.

ENGR 3399: Special Topics in Mechanical Engineering
Robotics III
Instructors: Bennett
Credits: 4 ENGR
Hours: 4-0-8
Prerequisites: ENGR3390: Robotics I

This advanced course in robotics will build on the foundation robotic perception, cognition and actuation skills acquired in the prerequisite robotics courses and present the theory and practical implementation techniques required to integrate them into sophisticated autonomous robotic systems.

ENGR 3450: Semiconductor Devices
Instructor: S. Kerns
Credits: 4 ENGR
Hours: 4-0-8
Prerequisites: ENGR 1121; SCI 1410 or SCI 3110

Introduction to semiconductor device fabrication, operation, and design. Emphasis on diodes and transistors, with some exploration of speculative technologies. Students will conduct a project of their own choosing involving either device characterization or device simulation using modern tools.

ENGR3599: Special topics in Computing
Computer Networks
Instructor: Morrow
Credits: 4 ENGR
Hours: 2-2-8+
Prerequisite: ENGR2510 or other evidence of Python/object oriented programming proficiency
This class is limited to 10 students.

Computer Networks is a laboratory class in the design and implementation of -- computer networks.   Monday seminars will cover a topic or two in computer networking; Thursday labs will be demonstrations of Python implementations of a seminar topic. Seminar topics will include protocol layers, naming, routing, resilience, security, network management and network application programming.

This class is an educational research project, studying the value of a programming lab approach to the study of computer networks. To see why this might work well, consider how computer networks differ from earlier communications networks. Before computer networks, the postal service, telegraphs and telephones each had distinct physical plant hardware.   gMail, Twitter and Skype are equivalent communications networks, but they are implemented as software programs that share a common set of hardware: the routers, gateways and services of the Internet.   The Internet itself is essentially an (fairly simple) operating system for this hardware. We're going to implement that (fairly simple) operating system in Python, using the object oriented design methods of ENGR2510 Software Design.

We plan to use the Raspberry pi as our physical infrastructure hardware. Once having created the base Internet, students will use a Raspberry pi to build their class project: a router, gateway and/or network service for their area of interest. For example, one class project might be an Internet gateway to a sensor network; another, a router to a virtual campus network.

At the end of the course students will have both a theoretical and a practical understanding of computer networking; of the broad range of potential goals and policies for computer networks; of the goals, policies and implementations of the current Internet; of the areas of strength and weakness in that implementation; and of how to extend a computer network.

ENGR3630: Transport in Biological Systems
Instructor: Sarang-Sieminski
Credits: 4 ENGR
Hours: 4-0-8
Prerequisites: SCI1210, Calculus

Transport phenomena play a vital role in numerous biological processes. For example, the blood flow patterns arising from the particular geometry of branching blood vessels are thought to drive the formation of atherosclerotic plaques. Mass transport plays a role in events such as tissue differentiation during development, oxygenation of blood in the lungs, and glomerular filtration in the kidneys. The entire field of drug delivery has been driven and advanced by understanding transport of pharmacological agents within biomaterials and tissues. Further, combination of fluid and mass transport allow us to understand flow through porous media which is critical for understanding problems such as delivery of chemotherapeutics and tumor metastasis. The roles of transport in understanding and treating cancer will be a theme throughout this course. We will study and analyze mathematical models of these key biological problems using both analytical and computational tools. Through a series of readings and projects, this course will combine engineering fundamentals of mass, energy, and momentum conservation with modeling approaches to enhance exploration and understanding of fluid and mass transport within the body. This course will be of value to students interested in biology, mathematical modeling, and bioengineering.

ENGR3899: Special Topics in Materials Science
Physical Foundations of Materials
Instructor: Christianson
Credits: 4 ENGR
Hours: 4-0-8
Prerequisites: Physics Foundation or permission, Linearity I, Intro. to Materials Science
Notes: This is a great course for students of ANY major who want to understand more about materials. This course may be used toward an E:MS requirement.

Graphene, optical meta-materials, high-performance composites, and white LED's are all examples of predicted, designed materials.   As we understand more about the fundamental origins of material properties, we start to be able to move towards designing materials to fit the requirements of a particular application. This class will explore the quantitative foundations behind our understanding of materials science and engineering, which has allowed material scientists to create custom materials with specific, predicted properties.

The content and format of this class will be a work in progress during the course of the semester. Students who enroll in this class should be willing to actively participate in the design of the class.

MTH2188: Special Topics in Mathematics
Linearity 2
Instructor: Byrne, Geddes, Hoffman
Credits: 4
Hours: 4–0–8
Enrollment note: Designated alternative for Vector Calculus requirement

An intradisciplinary approach that builds upon material covered in Linearity 1 to address topics in vector calculus and introductory partial differential equations. Topics include functions of more than one variable; vector-valued functions; gradient, divergence, and curl; boundaryvalue problems; and solutions to common partial differential equations. Emphasis on both numerical and analytical approaches. Note: students who have previously taken multi-variable calculus should consult with mathematics faculty to determine whether taking Linearity 2 is appropriate for their needs.

SCI 2099/ MTH 2199: Special Topics in Science and Mathematics
Bayesian Inference and Reasoning
Instructor: Mahajan
Credits: 2 MTH, 2 SCI
Hours: 4-0-8
Enrollment note: designated alternative for Prob/Stat. If you want the mathematics portion to count as your required MTH2130: Probability and Statistics course, please file a Course Substitution Form (CSTB) with the StAR Center. It is the student's responsibility to make this declaration. If no substitution is requested, the course will count in the math/science distribution area.

This course is an introduction to probability and statistics, with applications to mathematics, science, and engineering. The approach is Bayesian and emphasizes making decisions based on incomplete information. Topics include discrete and

continuous probability distributions, conditional probability, prior and posterior probabilities, hypothesis testing, Shannon information, decision making, history of the Bayesian approach, and its advantages over the orthodox (frequentist) approach. Applications include: p values and confidence intervals, statistical mechanics and entropy, the Monty Hall problem, code breaking, plausible reasoning in mathematics, how Laplace estimated the mass of Saturn, and playing games of imperfect information such as blackjack or Mastermind.

SCI2099B: Special Topics in Science
The Art of Approximation
Instructor: Mahajan
Credits: 4 SCI

For historical reasons, our courses are organized by disciplinary area, be it mechanics, calculus, differential equations, or molecular biology. However, there are modes of reasoning that span many areas of science or engineering. Nine such crosscutting modes of reasoning are the focus of the proposed course. The nine modes group themselves into three approaches to the complexity of the world: (1) organizing the complexity (for example, with divide-and-conquer reasoning); (2) discarding apparent complexity (for example, with symmetry or dimensional analysis); and (3) discarding actual complexity (for example, by approximating with spring models or lumping).

SUST 2201: Introduction to Sustainability
Instructors: Jon Stolk and faculty from Babson and Wellesley
Credits: 4
Hours: 4-0-8

This case-based course introduces students to the basic concepts and tools that business, engineering, and the liberal arts (science, social science, and the humanities) bring to a consideration of sustainability. It is team-taught by faculty members from each institution, with coursework fully integrated across the three approaches. The course will draw empirical material from, and apply concepts and tools to, a semester-long case (such as the sustainability of a city block, the transition to clean energy worldwide, or the life-cycle of a common consumer product).

Wellesley course of interest:
WRIT 390
Calderwood Public Writing Seminar
Current Issues in Law, Medicine and Ethics
Instructor: Lynne Viti
Credits: 4
Registration notes: requires cross-registration to Wellesley; contact instructor for more information.
Prerequisites: At least two 200-level courses in any of the following disciplines: Political Science, Sociology, Anthropology, Philosophy, Religion, Biology, Chemistry; open to juniors and seniors.
Should young women serve as egg donors? What happens if Roe V. Wade is overturned? Should there be "markets" for organ donations? Does Obamacare call for "death panels"? We will engage with these and other issues in law, medicine and ethics, from the perspective of public writers, trying to inform and influence public opinion. Students will write op-ed articles, a position paper, blog posts, book and film reviews. This course is intended for juniors and seniors who want to develop their writing skills and gain expertise in headline debates in law and medicine.

Area	Course #	Sec #	Course Title	Instructor	Credits	Time	Location	Enroll Limits	Notes
AHS	AHSE 0112	01	The Olin Conductorless Orchestra	Dabby	1	R 6:45-9:00p	AC305, 304, 318	25	
AHS	AHSE 3190	01	Arts, Humanities, Social Sciences Capstone Preparatory Workshop	Epstein	1	n/a	n/a	20	
AHS	AHSE 4190	01	Arts, Humanities, Social Sciences Capstone	Lynch	4	T 1:30-4:30p	AC128	25	
DSN	ENGR 3210	01	Sustainable Design	Linder	4	MR 10:50-12:30p	AC213	25	WAITLIST Available
DSN	ENGR 3220	01	Human Factors Interface Design	Stein	4	TR 3:20-6:00p	AC109	24	WAITLIST Available
DSN	ENGR 3250	01	Integrated Product Design	Linder	4	R 3:30-6:30p	AC213	18	Meets with and at Babson and Massachusetts College of Art *(formerly Product Design and Development)*
DSN	ENGR 3270	01	Real Products, Real Markets	Neeley	4	TF 9-10:40a	AC213	21	
DSN / ENGR	ENGR 3290	01	Affordable Design and Entrepreneurship	Linder; Mechtenberg	4	T 3:30-6:30p	AC213	12	WAITLIST Available; DSN Depth Enrollment; some meetings held at Babson
DSN / ENGR	ENGR 4290	01	Affordable Design and Entrepreneurship	Linder; Mechtenberg	4	T 3:30-6:30p	AC213	12	WAITLIST Available; Capstone Enrollment; some meetings held at Babson
E!	AHSE 1500	01	The Entrepreneurial Initiative	Neeley	4	TF 10:50-12:30p	AC326	30	
E!	AHSE 1500	02	The Entrepreneurial Initiative	Neeley	4	TF 1:30-3:10p	AC326	30	
E!	AHSE 3510	01	New Tech Ventures	Parizeau	4	TR 4-5:35p	AC126	15	Crosslisted with Babson
E!	AHSE 4590	01	Entrepreneurship Capstone	Salas	4	MR 9-10:40a	AC128	15	
E:BE	ENGR 3630	01	Transport in Biological Systems	Sarang-Sieminski	4	MR 1:30-3:10p	AC417	25	
E:C	ENGR 2510	01	Software Design	Downey	4	TF 10:50-12:30p	AC128	30	WAITLIST Available
E:C	ENGR 3520	01	Foundations of Computer Science	Pucella	4	MR 1:30-3:10p	AC128	25	
E:C	ENGR 3599	01	Special Topics in Computing: Computer Networks	Morrow	4	MR 3:20-5:00p	AC318	10	Wailtist Available; Software Design or equivalent as Prerequisite
E:MS / ENGR	ENGR 3899	01	Special Topics in Materials Science: *Physical Foundations of Materials*	Christianson	4	TF 10:50-12:30p	AC417	15	maybe used toward E:MS elective
E:SYS	ENGR 3710	01	Systems	Bennett	4	MR 1:30-3:10p	AC309	20	WAITLIST available; Maybe used as a DESIGN DEPTH
ECE	ENGR 3410	01	Computer Architecture	VanWyk	4	MR 9-10:40a	AC304	30	
ECE	ENGR 3410	02	Computer Architecture	VanWyk	4	MR 10:50-12:30p	AC304	30	
ECE	ENGR 3420	01	Introduction to Analog and Digital Communications	Govindasamy	4	TF 1:30-3:10p	AC304	25	

Area	Course #	Sec #	Course Title	Instructor	Credits	Time	Location	Enroll Limits	Notes
ECE	ENGR 3450	01	Semiconductor Devices	Kerns, S.	4	TF 10:50-12:30p	AC126	25	
ENGR	ENGR 1199	01	Special Topics in Engineering: *Introduction to the Microelectronics and Nanotechnology Revolution*	Kerns, S.	4	TF 1:30-3:10p	AC126	12	
ENGR	ENGR 1199A	01	Special Topics in Engineering: *Energy Systems in Urban Design*	Mechtenberg	4	W 12:30-3:15p	AC213	12	
ENGR	ENGR 1330	01	Fundamentals of Machine Shop Operations	Andruskiewicz	4	W 1-5:00p	AC104	6	WAITLIST Available
ENGR	ENGR 2210	01	Principles of Engineering	Mur-Miranda	4	TF 10:50-12:30p	AC306	28	small Waitlist Available
ENGR	ENGR 2210	02	Principles of Engineering	Murphy	4	MR 3:20-5:00p	AC306	28	small Waitlist Available
ENGR	ENGR 2210	03	Principles of Engineering	Cavalcanti	4	TF 1:30-3:10p	AC306	28	small Waitlist Available
ENGR	ENGR 3199	01	Special Topics in Engineering: *Elecanisms*	Minch; Hoover	4	M 1:30-5:00pm and R 1:30-3:10p	AC304	20	WAITLIST Available
ENGR	ENGR 4190	01-14	Senior Capstone Program in Engineering (SCOPE)	Minch; Govindasamy; Lee; Hoover; Downey; Barrett; Bennett; Sarang-Sieminski; Christianson; Mur-Miranda; Byrne	4	W 9-10:40a and 12:30-6p		90	Seniors Enroll in Section 01 during registration; Teams will be assigned in the fall.
Integrated	ENGR 2199A & SCI 2099A	01	Special Topics in Engineering and Science: *Regional Analysis in Development*	Staff	2 + 2	TF 9:00-10:40a	AC326	25	This course is a great pre-cursor to ADE; WAITLIST available; Must enroll in both courses
Integrated	SCI 2099 / MTH 2199	01	Special Topics in Science and Mathematics: *Bayesian Inference and Reasoning*	Mahajan	2 + 2	TF 1:30-3:10p	AC328	48	WAITLIST Available; The mathematics portion may satisfy the Prob/Stat requirement by petition
ME	ENGR 2340	01	Dynamics	Lee	4	MR 9-10:40a; with W 9:30-10:30a lab	AC328	35	WAITLIST Available
ME	ENGR 3310	01	Transport Phenomena	Walker	4	MR 3:20-5:00p	AC328	30	
ME	ENGR 3330	01	Mechanical Design	Barrett; Cavalcanti	4	TF 9-10:40a	AC309	25	WAITLIST Available
ME	ENGR 3390	01	Robotics I	Barrett	4	TF 1:30-3:10p	AC309	25	WAITLIST Available
ME	ENGR 3390	02	Robotics I	Yu	4	MR 6-7:40p	AC309	25	WAITLIST Available
ME	ENGR 3399	01	Special Topics in Mechanical Engineering: *Robotics III*	Bennett	4	MR 10:50-12:30a	AC309	20	WAITLIST Available
MTH	MTH 2110	01	Discrete Math	Patel	4	TF 9-10:40a	AC128	40	WAITLIST Available

Area	Course #	Sec #	Course Title	Instructor	Credits	Time	Location	Enroll Limits	Notes
MTH	MTH 2188	01	Special Topics in Mathematics: Linearity 2	Byrne; Geddes; Hoffman	4	MR 1:30-3:10p	AC318, 326, 328 and MH120 (th)	84	
MTH	MTH 3150	01	Numerical Methods and Scientific Computing	Geddes	4	MR 10:50-12:30p	AC326	24	
OIE	AHSE 1122	01	The Wired Ensemble - Instruments, Voices, Players	Dabby	4	T 3:20-5:00p; F 10:50-12:30p	AC304, 305	15	
OIE	AHSE 1135	01	The Digital Eye: Photography, Vision, and Visual Communication	Donis-Keller	4	TF 10:50-12:30p	AC313	15	
OIE	AHSE 1145	01	The Human Connection: Tools and Concepts from Anthropology for Understanding Today's World	Lynch	4	T 10:50-12:30p; F 9:30-12:30p	AC328	15	
OIE	AHSE 1150	01	What is "I"?	Stein	4	TF 10:50-12:30p	AC318	15	
OIE	AHSE 1199	01	Arts, Humanities, Social Science Foundation Topic: *Robots, Mutants and Monsters: Envisioning Science in Cinema*	Vitols	4	TF 9:00-10:40a	AC318	15	
OIE	AHSE 1199	02	Arts, Humanities, Social Science Foundation Topic: *Media Revolution: Activism and Technology*	Vitols	4	TF 10:50-12:30p	CC210	15	
OIE	ENGR 1110	01	Modeling and Control	Mur-Miranda; Kerns, D; VanWyk	3	M 1:30-3:10p; T 1:30-3:10p	MH120 (Mon); AC428	21	
OIE	ENGR 1110	02	Modeling and Control	Mur-Miranda; Kerns, D; VanWyk	3	M 1:30-3:10p; W 1:30-3:10p	MH120 (Mon); AC428	21	
OIE	ENGR 1110	03	Modeling and Control	Mur-Miranda; Kerns, D; VanWyk	3	M 1:30-3:10p; R 1:30-3:10p	MH120 (Mon); AC428	21	
OIE	ENGR 1110	04	Modeling and Control	Mur-Miranda; Kerns, D; VanWyk	3	M 1:30-3:10p; F 1:30-3:10p	MH120 (Mon); AC428	21	
OIE	ENGR 1200	01	Design Nature	Linder; Chachra; Lee; Millner; Zastavker	4	MW 3:20-6:00p	MH120; AC204	28	
OIE	ENGR 1200	02	Design Nature	Linder; Chachra; Lee; Millner; Zastavker	4	MW 3:20-6:00p	MH120; AC206	28	
OIE	ENGR 1200	03	Design Nature	Linder; Chachra; Lee; Millner; Zastavker	4	MW 3:20-6:00p	MH120; AC209	28	
OIE	MTH 1111 and SCI 1111	01	Modeling and Simulation of the Physical World	Somerville; Hoffman; Ruvolo; Townsend	2 + 2	MR 10:50-12:30p; W 9-10:40a	MH120; AC204	28	
OIE	MTH 1111 and SCI 1111	02	Modeling and Simulation of the Physical World	Somerville; Hoffman; Ruvolo; Townsend	2 + 2	MR 10:50-12:30p; W 9-10:40a	MH120; AC206	28	
OIE	MTH 1111 and SCI 1111	03	Modeling and Simulation of the Physical World	Somerville; Hoffman; Ruvolo; Townsend	2 + 2	MR 10:50-12:30p; W 9-10:40a	MH120; AC209	28	
OIE	OIE 1000	01	Olin Introductory Experience	Tatar	1 non degree	R 3:20-5:00p	MH120	90	
SCI	SCI 1121	01	Electricity and Magnetism	Zastavker	4	MR 10:50-12:30p	AC328	25	WAITLIST Available
SCI	SCI 1210	01	Principles of Modern Biology (with Lab)	Pratt, J.	4	MR 10:50-12:30p; R 3:20-6:00p	AC417; AC404	21	small Waitlist Available
SCI	SCI 1210	02	Principles of Modern Biology (with Lab)	Donis-Keller	4	TF 1:30-3:10p; W 12:30-3:10p	AC417; AC404	21	small Waitlist Available

Area	Course #	Sec #	Course Title	Instructor	Credits	Time	Location	Enroll Limits	Notes
SCI	SCI 1410	01	Materials Science and Solid State Chemistry (with Lab)	Chachra	4	MR 9:40-12:30p	AC413	21	small Waitlist Available
SCI	SCI 1410	02	Materials Science and Solid State Chemistry (with Lab)	Stolk	4	TR 3:20-6:00p	AC413	21	small Waitlist Available
SCI	SCI 1410	03	Materials Science and Solid State Chemistry (with Lab)	Bernal-Ostos	4	MW 3:20-6:00p	AC413	21	small Waitlist Available
SCI	SCI 2099B	01	Special Topics in Science: *The Art of Approximation*	Mahajan	4	MR 9-10:40a	AC326	48	
SCI	SCI 2210	01	Immunology	Pratt, J.	4	MR 9-10:40a	AC417	12	small WAITLIST Available
SCI	SCI 2320	01	Organic Chemistry w/ Lab	Morse	4	TF 1:30-3:10p	AC318	30	Must also enroll in lab section A or B
~~SCI~~	~~SCI 2320 L~~	~~A~~	~~LAB: Orgranic Chemistry~~	~~Morse~~	~~0~~	~~T 3:20-6:00p~~	~~AC409~~	~~15~~	~~Must enroll in SCI 2320~~
SCI	SCI 2320 L	B	LAB: Orgranic Chemistry	Morse	0	W 12:30-3:10p	AC409	15	Must enroll in SCI 2320
SUST	SUST 2201	01	Introduction to Sustainability	Stolk	4	W 3:30-6:30p	AC213	15	WAITLIST Available; some meetings held at Babson and Wellesley
	AWAY 1000	01	Study Away Experience		12				
	OIP 1000	01	The Olin Internship Practicum	Phelps	1			n/a	

Color Key - Offering Blocks

ECE	ME	ENGR / DSN Courses	OIE or Genl Req

Monday

9:00 AM – 10:40 AM

- ENGR 3410 sec 01 — Computer Architecture — AC304
- ENGR 2340-01 — Dynamics — AC328
- SCI 2210 — Immunology — AC417
- AHSE 4590 — Entrepreneurship Capstone — AC128
- SCI 2099B Spec Top in Sci: The Art of Approximation — AC326
- SCI 1410 sec 01 — Materials Science and Solid State Chemistry — 9:40-12:30p — AC413

10:50 AM – 12:30 PM

- MTH 3150 Numerical Meth and Sci Computing — AC326
- ENGR 3399 Spec Top in ME: Robotics III — AC309
- ENGR 3210 Sustainable Design — AC213
- SCI 1210 sec 01 Prin of Modern Biology Lecture — AC417
- SCI 1121 Electricity and Magnetism — AC328
- MTH 1111/ SCI 1111 All Sections Modeling and Simulation 10:50-12:30p MH120 AC204 AC206 AC209
- ENGR 3410 sec 02 Computer Architecture — AC304

Open Meeting Time

1:30 PM – 3:10 PM

- OIE ENGR 1110 ALL Sec Modeling and Control — MH 120
- MTH 2188 Linearity 2 — AC318 AC326 AC328
- ENGR 3630 Transport in Biological Systems — AC417
- ENGR 3710 Systems — AC309
- ENGR 3520 Foundations of Computer Science — AC128
- ENGR 3199 Elecanisms — M 1:30-5:00p and R 1:30-3:10p — AC304

3:20 PM – 6:00 PM

- ENGR 3310 Transport Phenomena — AC328
- ENGR 2210 sec 02 Principles of Engineering — AC306
- ENGR 3599 Spec Top in Comp: Computer Networks — AC318
- OIE ENGR 1200 ALL Sections Design Nature — MH120; AC204 AC206 AC209
- SCI 1410 sec 03 Materials Science and Solid State Chemistry — AC413

6:00 PM – 9:00 PM

- ENGR 3390 sec 02 — Robotics 1 — 6-7:40p — AC309

Tuesday

9:00 AM – 10:40 AM

- ENGR 3330 Mechanical Design — AC309
- MTH 2110 Discrete Math — AC128
- ENGR 2199A SCI 2099A Spec Top Engr & Sci: Regional Analysis in Dev'mt — AC326
- ENGR 3270 Real Products Real Mkts — AC213
- AHSE 1199-01 AHS Fnd Topic: Robots Mutants Monsters Vitols — AC318

10:50 AM – 12:30 PM

- ENGR 2510 Software Design — AC128
- ENGR 3899 Spec Top in MS: Phys Fnd of Materials — AC417
- ENGR 3450 Semiconductor Devices — AC126
- ENGR 2210, sec 01 Principles of Engineering — AC306
- AHSE 1500-01 The Entrepreneurial Initiative — AC326
- AHS Foundation Topics AHSE1135: Digital Eye AHSE1145: Human Connection AHSE1150: What is I? AHSE1199:-02 Topic: Media Revolution AC313, 328, 318, CC210

1:30 PM – 3:10 PM

- OIE ENGR 1110 sec 01 Modeling and Control — AC428
- ENGR 3390 sec 01 Robotics 1 — AC309
- SCI 2320 Organic Chemistry — AC318
- SCI 2099 / MTH2199: Bayesian Inference and Reasoning — AC328
- ENGR 3420 Analog and Digital Comm — AC304
- SCI 1210 sec 02 Prin of Modern Biology Lecture — AC417
- AHSE 1500-02 The Entrepreneurial Initiative — AC326
- AHSE 4190 AHS Capstone 1:30-4:30p — AC128
- ENGR 1199 Spec Top Engr: Microelectronic & Nanotech Revolution — AC126
- ENGR 2210, sec 03 Principles of Engineering — AC306

3:20 PM – 6:00 PM

- AHSE 1122 Wired Ensemble — AC304 & AC305
- AHSE 3510 New Tech Ventures — TR 4-5:35p — AC126
- SCI2320 L Sec A Organic Chemistry LAB — AC409
- SCI 1410 sec 02 Materials Science and Solid State Chemistry — AC413
- ENGR 3290 and 4290 Affordable Design & Entrp — 3:30-6:30p — AC213 and Babson
- ENGR 3220 Human Factors and Interface Design — AC109

Wednesday

9:00 AM – 10:40 AM

- ENGR 2340-01 Dynamics 9:30-10:30a AC328
- MTH 1111/ SCI 1111 All Sections Modeling and Simulation 9-10:40a MH120 AC204 AC206 AC209
- ENGR 4190 SCOPE

Open Meeting Time

1:30 PM – 3:10 PM

- SCI1210 Sec 02 Prin of Modern Biology LAB — 12:30-3:10p — AC404
- SCI2320 L Sec B Organic Chemistry LAB — AC409
- ENGR 1199A Spec Top in Engr: Energy Systems in Urban Design — 12:30-3:15p — AC213
- ENGR 1330 Fnd Machine Shop Operations — 1-5:00p — AC104
- ENGR 4190 SCOPE

3:20 PM – 6:00 PM

- SCI 1410 sec 03 Materials Science and Solid State Chemistry — AC413
- OIE ENGR 1200 ALL Sections Design Nature — MH120; AC204, AC206 AC209
- SUST 2201 3 College Intro to Sustainability — W 3:30-6:30p — Location: all 3 campuses when at Olin AC213

Color Key - Offering Blocks

AHSE	SCI	Math	Integrated Offering

Thursday

9:00 AM
- ENGR 3410 sec 01 — Computer Architecture — AC304
- ENGR 2340-01 — Dynamics — AC328
- SCI 2210 Immunology — AC417
- AHSE 4590 Entrepreneurship Capstone — AC128
- SCI 2099B Spec Top in Sci: The Art of Approximation — AC326
- SCI 1410 sec 01 — Materials Science and Solid State Chemistry — 9:40-12:30 — AC413

10:50 AM
- MTH 3150 Numerical Methods and Sci Computing — AC326
- ENGR 3399 Spec Top in ME: Robotics III — AC309
- ENGR 3210 Sustainable Design — AC213
- SCI 1210 sec 01 Prin of Modern Biology Lecture — AC417
- SCI 1121 Electricity and Magnetism — AC328
- MTH 1111/ SCI 1111 All Sections Modeling and Simulation — 10:50-12:30p MH120 AC204 AC206 AC209
- ENGR 3410 sec 02 Computer Architecture — AC304

1:30 PM
- ENGR 1110 sec 03 Modeling and Control — AC428
- MTH 2188 Linearity 2 — MH120 AC318 AC326 AC328
- ENGR 3630 Transport in Biological Systems — AC417
- ENGR 3710 Systems — AC309
- ENGR 3520 Foundations of Computer Science — AC128
- ENGR 3199 Elecanisms — AC304

3:20 PM
- ENGR 3220 Human Factors and Interface Design — AC109
- AHSE 3510 New Tech Ventures — TR 4-5:35p — AC126
- ENGR 2210 sec 02 Principles of Engineering — AC306
- ENGR 3310 Transport Phenomena — AC328
- ENGR 3599 Spec Top in Comp: Computer Networks — AC318
- SCI 1210 sec 01 (Pratt) Prin of Modern Biology LAB — 3:20-6:00p — AC404
- OIE 1000 Olin Intro Experience — MH120
- ENGR 3250 Integrated Product Design — 3:30-6:30p — Location: all 3 campuses; when at Olin AC213
- SCI 1410 sec 02 Materials Science and Solid State Chemistry — AC413

6:00 PM
- ENGR 3390 sec 02 Robotics 1 — 6-7:40p — AC309
- AHSE 0112 Olin Conductorless Orchestra 6:45-9pm 304 + 305 + 318

Friday

9:00 AM
- ENGR 3330 Mechanical Design — AC309
- MTH 2110 Discrete Math — AC128
- ENGR 2199A SCI 2099A Spec Top Engr & Sci: Regional Analysis in Dev'mt — AC326
- ENGR 3270 Real Products Real Mkts — AC213
- AHSE 1145 Human Connection 9:30a start AC328
- AHSE 1199-01 AHS Fnd Topic: Robots Mutants Monsters Vitols — AC318

10:50 AM
- ENGR 2510 Software Design — AC128
- ENGR 3899 Spec Top in MS: Phys Fnd of Materials — AC417
- ENGR 3450 Semiconductor Devices — AC126
- ENGR 2210, sec 01 Principles of Engineering — AC306
- AHSE 1500-01 The Entrepreneurial Initiative — AC326
- AHS Foundation Topics AHSE1122: Wired; AHSE1145: Human Connection; AJHSE1135:Dig Eye; AHSE1150: What is I?; AHSE1199:-02 Topic: Media Revolution — AC304, 328, 313, 318, CC210

1:30 PM
- OIE ENGR 1110 sec 04 Modeling and Control — AC428
- ENGR 3390 sec 01 Robotics 1 — AC309
- SCI 2320 Organic Chemistry — AC318
- SCI 2099 / MTH2199: Bayesian Inference and Reasoning — AC328
- ENGR 3420 Analog and Digital Comm — AC304
- SCI 1210 sec 02 Prin of Modern Biology Lecture — AC417
- AHSE 1500-02 The Entrepreneurial Initiative — AC326
- ENGR 1199 Spec Top Engr: Microelectronic & Nanotech Revolution — AC126
- ENGR 2210, sec 03 Principles of Engineering — AC306

Community Service (3:20 PM – 6:00 PM)

Area	Course #	Probable Number of Sections	Course Title	Instructor	Credits
AHS	AHSE 0112	one	The Olin Conductorless Orchestra	Dabby	1
AHS	AHSE 2130	one	Responsive Drawing and Visual Thinking	Donis-Keller	4
AHS	AHSE 21XX	one	Narrative Psychology (taught at Wellesley; limited Olin seats)	Adler	4
AHS	AHSE 21XX	one	Foundations of Psychology	Adler	4
AHS	AHSE 3100	one	Issues in Leadership and Ethics	Miller, R.	2
AHS	AHSE 3190	one	Arts, Humanities, Social Sciences Capstone Preparatory Workshop	Epstein	1
AHS	AHSE 4190	one	Arts, Humanities, Social Sciences Capstone	Epstein	4
DSN	ENGR 2250	three	User Oriented Collaborative Design	Stein, Adjuncts	4
DSN	ENGR 3260	one	Design for Manufacturing	Adjunct	4
DSN	ENGR 3299	one	Design of Energy Systems	Mechtenberg	4
E!	AHSE 1500	two	The Entrepreneurial Initiative	Neeley; Staff	4
E!	AHSE 4590	one	Entrepreneurship Capstone	Staff	4
E:BE	ENGR 3620	one	Cellular Bioengineering	Sarang-Sieminski	4
E:C	ENGR 2510	one	Software Design	Staff	4
E:C	ENGR 3540	one	Software Systems	Downey	4
E:MS or BE	ENGR 3810	one	Structural Biomaterials	Chachra	4
ECE	ENGR 2410	one	Signals and Systems	Staff	4
ECE	ENGR 2420	one	Introduction to Microelectronic Circuits with LAB	Minch	4
ECE	ENGR 3415	one	Digital Signal Processing	Dabby	4
ECE	ENGR 3499	one	Special Topics: in Electrical and Computer Engineering: EE Prototyping	Lundberg	4
ECE	ENGR 3499	one	Special Topics in Electrical and Computer Engineering: Introduction to Information Theory and its Applications	Govindasamy	4
ENGR	ENGR 1121	three	Real World Measurements	Minch, MurMiranda, Staff	3
ENGR	ENGR 1330	one	Fundamentals of Machine Shop Operations	Andruskiewicz	4
ENGR	ENGR 2199	one	Intro to Computer Networks	Morrow	4
ENGR	ENGR 2210	two	Principles of Engineering	Govindasamy; Staff	4

Area	Course #	Probable Number of Sections	Course Title	Instructor	Credits
DSN/ENGR	ENGR 3290 OR ENGR 4290	one	Affordable Design and Entrepreneurship	Linder; Mechtenberg	4
ENGR	ENGR 4190	many	Senior Capstone Program in Engineering (SCOPE)	Staff	4
INTEGRATED	AHSE 2141/ENGR 2141	one	Engineering for Humanity	Lynch;Staff	4
ME	ENGR 2320	one	Mechanics of Solids and Structures	Barrett	4
ME	ENGR 2330	one	Introduction to Mechanical Prototyping	Hoover	4
ME	ENGR 2350	one	Thermodynamics	Townsend	4
ME	ENGR 3345	one	Mechanical and Aerospace Systems	Lee	4
ME	ENGR 3370	one	Controls	Lundberg	4
ME	ENGR 3392	one	Robotics II	Bennett	4
MTH	MTH 2130	two	Probability and Statistics *(one computational option is a possibility)*	Downey / Patel	2
MTH	MTH 2188	several	Special Topics in Mathematics: Linearity 1	Byrne; Geddes; Hoffman	4
MTH	MTH 3120	one	Partial Differential Equations	Geddes	4
SCI	SCI 1130	two	Mechanics	Zastavker	4
SCI	SCI 11XX	one	Physics Foundation Topic	Somerville	4
SCI	SCI 1210	two	Principles of Modern Biology (with Lab)	Donis-Keller; Huang	4
SCI	SCI 1310	one	Introduction to Chemistry (with Lab)	Morse	4
SCI	SCI 1399	one	Special Topics in Science: Intro Chem Supplement for Pre-Med Students	Morse	2
SCI	SCI 1410	two	Materials Science and Solid State Chemistry (with Lab)	Christianson; Stolk	4
SCI	SCI 2130	one	Quantum Physics	Holt	4
SCI	SCI 2140	one	Relativity	Holt	2
SCI	SCI 3320	one	Organic Chemistry II (with lab)	Morse	4
SUST	SUST 3201	one	Sustainability Certificate Synthesis Course	Huang	4
	AWAY 1000		Study Away		12
	OIP 1000		The Olin Internship Practicum	Phelps	1