

MIT Math Fall 2021

Undergraduate Advising Orientation

co-chairs of undergraduate advising:

Steven Johnson and Nike Sun

Advising Resources: https://math.mit.edu/~julee/Advising_Resources.html

Community Values

(hanging lots of places
in math department)

Our vision

Our Mathematics Community Values stem from the basic principle that members of our community should treat each other with respect and decency at all times. In turn, we should not alienate, diminish, or insult each other, either in word or deed.

Our values

Well-being

We support each other at all times and remember that we are not alone.

Respect

We value the multitude of ways to be a mathematician and the many paths through our field and Department.

Inclusion

We strive to speak and act in ways that support and include all members of our community.

Collaboration

Mathematics is a social endeavor and we proudly collaborate with others to advance the field.

Mentorship

We are all here because of the mentorship we have received, and we actively support and mentor others in their mathematical journey.

General Support

- Ask students **how they are doing**, what else is happening in their life, how their living situation is working out, hobbies, student groups...
 - see also optional MIT math “advisor/advisee” worksheets on advising page
- Ask students about their **long-term goals** and interests.
- **Lots of resources** for struggling students!
 - Math Learning Center (MLC), OME Talented Scholars Room (TSR²)
 - **S3**, MIT Mental Health, OmbudsOffice, REFS, ...
 - **Email an S3 dean** (cc student) and they will follow up!
 - Math-major forum, pset partners app
 - Flow chart: <http://bit.ly/mitnavigatingresources>
- Encourage students to **participate** in UMA and USWIM: undergraduate math groups, socials, networking, seminars.
- **Help with UROP-finding** advice (also google “urop math mit”)
- \$50/student/year — your **funding** for advisee activities/outings

Registration Reminders

(note: only register students whose *first* major is math)

- **registration.mit.edu**: submit by Fri 9/10, ideally by **Tues 9/7**
 - register for ≥ 36 units (unless approved light load)
 - change afterwards by add/drop change forms (add by 10/8, drop by 11/18)
 - use add/drop to cross-register for Harvard classes
 - reg meetings: assign students 30min slots or have sign-up sheet
 - deadlines **soon** (9/7, 10/8) to change **hidden spring-2021 D grades** to regular grades
 - **sophomores** can **change spring 2021** classes to P/NR by **10/8** (flexible PNR option)
- **Lottery for CI-M** classes (math seminars and other CI courses) if preregistered; otherwise add to waitlist on websis
- Keep students on track! ≥ 1 **major class** + **1 HASS** per semester.
 - Don't delay GIRs (chem, bio, ...) too long.
- Ask them about plan for **finishing incomplete grades** ({I, OX})
- **Confidential**: don't disclose academic records except to MIT staff on need-to-know basis. (Google "MIT FERPA" for details.)

You can say no!

- Prerequisites — consult carefully if skipping
 - in case of doubt, have student chat with instructor and get back to you
- Continuity: this semester should not be vastly harder than previous
- Restrain overloading / “shopping” / listening
 - course shopping: **make a follow-up appointment** in 1–2 weeks to ensure add/drop as needed
- Take undergraduate classes before graduate-level
- Generally give more leeway to students with a longer track record of successfully managing many challenging courses.

Use math.mit.edu!

- Math-major requirements
- Common substitutions
- Roadmaps
- More!

Next: Demo of online resources

websis.mit.edu “for advisors”:



for Advisors and Departmental Administrators

Students' Records

current registration, grades, GIR audit

for advisors

for departmental administrators

Registration Instructions

online registration procedures for Fall Term

Waitlists

view waitlists for C-H/HW and other limited-enrollment subjects

Online Add/Drop/Change Form

Late Add/Drop/Change Form

Forms and Petitions

Online HASS Concentration Form

Select Record

Grade Report
Status of Registration
Student Picture
Undergraduate Degree Audit
File Registration-Fall Term 2020-2021
Freshman Folder (Freshmen only)
Student Address

Select Student

Das,Akash -yr 1
Escobedo,Ines -yr 1
Reshamwala,Shreya V. -yr 1
Sun, Yihang -yr 1
Wang, Frank Y. -yr 1
Xiang, Jingdong -yr 1
Murungi, Erastus M. -yr 2
Seiple, William G. -yr 2
Torpey, Gianna N. -yr 2
Wang, Vincent K. -yr 2
Warren, Caroline C. -yr 2
Boecken, Henrik J. -yr 4

Sort by Student Name

Sort by Student Year

Create Report

Bulk Grade Report

Undergraduate Degree Audit: Review for Seniors!

General Institute Requirements - 17 Required

To view the subject title, hold the mouse over the subject number. "Current Subjects" refers to subjects the audit is using to fulfill requirements; it does not indicate you are currently registered for the subject.

Requirement	Completed Subjects	Current Subjects	Requirement	Completed Subjects	Current Subjects
Chemistry	3.091 (Fall 2017-18)	3.091 (Fall 2017-18)	5 HASS Electives	24.251 (Fall 2018-19)	24.251 (Fall 2018-19)
Biology	Not met	Not met		14.02 (Spring '19)	14.02 (Spring '19)
Calculus I	18.01 (Fall 2017-18)	18.01 (Fall 2017-18)		24.231 (Spring '20)	24.231 (Spring '20)
Calculus II	18.02 (Fall 2017-18)	18.02 (Fall 2017-18)		Not met	Not met
Physics I	8.01 (Fall 2017-18)	8.01 (Fall 2017-18)		Not met	Not met
Physics II	8.02 (Fall 2017-18)	8.02 (Fall 2017-18)	12 Inst LAB Units	18.821 (Spring '20)	18.821 (Spring '20)
1 HASS - Humanities	24.01 (Fall 2017-18)	24.01 (Fall 2017-18)	2 CI-H reqd	24.01 (Fall 2017-18)	24.01 (Fall 2017-18)
1 HASS - Arts	21L.011 (Fall 2019-20)	21L.011 (Fall 2019-20)		21L.011 (Fall 2019-20)	21L.011 (Fall 2019-20)
1 HASS - Social Sciences	14.01 (Spring '18)	14.01 (Spring '18)	Final Term Conc Subj	24.231 (Spring '20)	24.231 (Spring '20)
			2 REST Subjects	8.03 (Fall 2017-18)	8.03 (Fall 2017-18)
			CIM 18	18.03 (Fall 2017-18)	18.03 (Fall 2017-18)
				18.821 (Spring '20)	18.821 (Spring '20)
				Not met	Not met

Non-Subject Requirements

Requirement	Status	Requirement	Status
Conc Proposal	Completed	Swim Test	Completed
Conc Completion Form	Completed	PE Points	4 not met

Unit Requirements

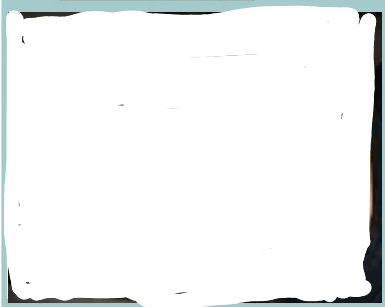
Number of units required for major beyond general requirements (Double Major): 190	Number of units completed:	Completed Subjects	w/ Current Subjects
		258	258

Units Beyond General Institute Requirements - Completed Subjects

Subject Title	Subject	Units	Subject Title	Subject	Units
Intro to CS Prog in Python	6.0001 (Fall 2017-18)	6	Linear Algebra	18.06 (Spring '18)	12
Intro: Comp Thinking & Data Sci	6.0002 (Fall 2017-18)	6	Real Analysis	18.100B (Spring '18)	12
Computation Structures	6.004 (Fall 2018-19)	12	Analysis and Manifolds	18.101 (Fall 2019-20)	12
Introduction to Algorithms	6.006 (Spring '18)	12	Functions of Complex Variable	18.112 (Fall 2018-19)	12
Computer Systems Engineering	6.033 (Spring '19)	12	Intro: Numerical Methods	18.335 (Spring '19)	12

Checkshets:

Grades current as of 2020-08-27



MIT.EDU

Johnson, Steven G 2018 Summer-
 Vogan, David A 2019 Summer-
 Johnson, Steven G 2020 IAP-

Year 4 in SB program

1. 18 C

Acad Year	Fall						Spring					
	GPA		Units		Warm	GIR	GPA		Units		Warm	GIR
	Term	Cum	Term	Add'l			Term	Cum	Term	Add'l		
-2018	None	None	60	12	4.0		4.47	4.47	45	12	8.0	
-2019	4.67	4.56	37	13	11.0		4.00	4.38	37	26	13.0	
-2020	4.25	4.35	48	38	16.0	MW	None	4.35	51	77	17.0	

Math Subjects for the Math with CS Option

18.01	P(A)	12	2017FA
18.02	A	12	2018SP
18.03	A	12	2018FA
18.06	C+	12	2019SP
6.00	B	12	2018FA
6.009	A	12	2019FA
18.062	B-	12	2019FA 6.042J
400/404			
6.006	PE	12	2020SP
18.410			
6.031/3/4/6			
18.100P	PE	15	2020SP CIM
18.600	PE	12	2020SP
18.			
18.			
6.			

Institute Core

Bio (7.013)	B	12	2018SP
Chem (5.111)	P	12	2017FA
Phys1 (8.01)	P	12	2017FA
Phys2 (8.02)	B+	12	2018SP
LAB (6.009)	A	*	2019FA
REST (6.00)	B	*	2018FA

Other Subjects

21G.222	P	12	2017FA
GEN.APCR	S	9	2017FA
SP.110	P	3	2017FA
21M.600	A+	9	2018SP
2.EPW	P	1	2018FA
21G.505	A	12	2018FA
2.EPE	P	1	2019SP
21G.506	A	12	2019SP
21H.102	B-	12	2019SP
14.02	C	12	2019FA
21G.067	A	12	2019FA
21G.240	PE	12	2020SP

Grading options: Different this term!

- Grades $\in \{A, B, C, D, F\}$ (or incomplete $\in \{I, O, OX\}$).
- **Sophomores** can *retro-actively* make 48 units P/NR (“Flexible P/NR option”) by **add date of subsequent term**
 - replacing old “sophomore exploratory” and “junior/senior P/D/F” options
 - this includes their spring 2021 classes!
- **Juniors & Seniors** can make **up to 3** science GIRs (chem/bio/physics/calc) P/NR by **add date (10/8)**.
- Junior/senior P/D/F **is also** available fall 2021 (by add date).
- First-years are P/NR as usual in fall.