



mit  
iCampus

[icampusprize.mit.edu](http://icampusprize.mit.edu)

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*"Can we design things in such a way that people can use it, and do things we didn't anticipate, without breaking the network?"*

— Joi Ito, NMC 12 Keynote

# *Culture*

Students are empowered...

*Innovation*

...to solve problems they face!

# The Problem:

How do I arrange my class schedule?

add more courses

show only favorites

Search

- course » 1
- 65 18
  - 37 8

level »

area »

subarea »

category »

- 17 (missing this field)
- 13 H-LEVEL Grad Credit
- 1 HASS Elective
- 1 Physics 1
- 2 Physics 2
- 3 Restricted Electives in Science and Technology

semester » 1

- 17 Fall
- 3 IAP
- 37 Spring

37 Items filtered from 108 originally ([Reset All Filters](#))

sorted by: [listing-index](#); then by... •  grouped as sorted

1. [8.011 - Physics I site](#) Spring

Introduces classical mechanics. Space and time: straight-line kinematics; motion in a plane; forces and equilibrium; experimental basis of Newton's laws; particle dynamics; universal gravitation; collisions and conservation laws; work and potential energy; vibrational motion; conservative forces; inertial forces and non-inertial frames; central force motions; rigid bodies and rotational dynamics. Designed for students with previous experience in 8.01; the subject is designated as 8.01 on the transcript.

Guth, Alan  
Prereqs: --

toggle comments

Lecture Sections:

- [MTW10 26-328](#)
- [MTW11 26-328](#)
- [MTW2 26-322](#)
- [MTW3 26-322](#)

Lab Sections:

- [F10 32-123](#)

Undergraduate

Units: 5-0-7

Your Rating:

No other reviews yet

[Report Error](#)

2. [8.02 - Physics II site](#) Fall and Spring

Introduction to electromagnetism and electrostatics: electric charge, Coulomb's law, electric structure of matter; conductors and dielectrics. Concepts of electrostatic field and potential, electrostatic energy. Electric currents, magnetic fields and Ampere's law. Magnetic materials. Time-varying fields and Faraday's law of induction. Basic electric circuits. Electromagnetic waves and Maxwell's equations. Subject taught using the TEAL (Technology Enabled Active Learning) studio format which utilizes small group interaction and current technology to help students develop intuition about, and conceptual models of, physical phenomena.

Undergraduate

Units: 3-2-7 +final

Your Rating:

No other reviews yet

	S	M	T	W	T	F	S
8							
9							
10							
11							
12							
1							
2							
3							
4							
5							
6							
7							
8							
9							

Total Units: 8-2-14 (24)  
Reported Hours: 0 (0 Courses)

- 1. [8.02 - Physics II \(lectures\)](#)
- 2. [18.01 - Calculus \(rec\)](#)

Pre-register these classes

find the best deals for your books at

	Book list
18.01	Calculus with analytic geometry / George F. Simmons.
8.02	Introduction to electricity and magnetism : MIT 8.02 course notes / Sen-Ben Liao, Peter Dourmashkin,

WARNING: This calendar is not an official schedule. WebSIS will produce your schedule of the classes in which you are registered. All changes will then need to be processed through Drop/Add forms after Registration Day.

## **The Problem:**

Creating my class schedule, optimizing it

## **The Solution:**

CoursePicker, build my schedule

Undergrads use this all the time

## **MIT Support:**

Now, CourseWS course schedule service

Then, screenscraping

Spawns new  
iterations, tools  
building on  
service

\*We don't do this in our LMS

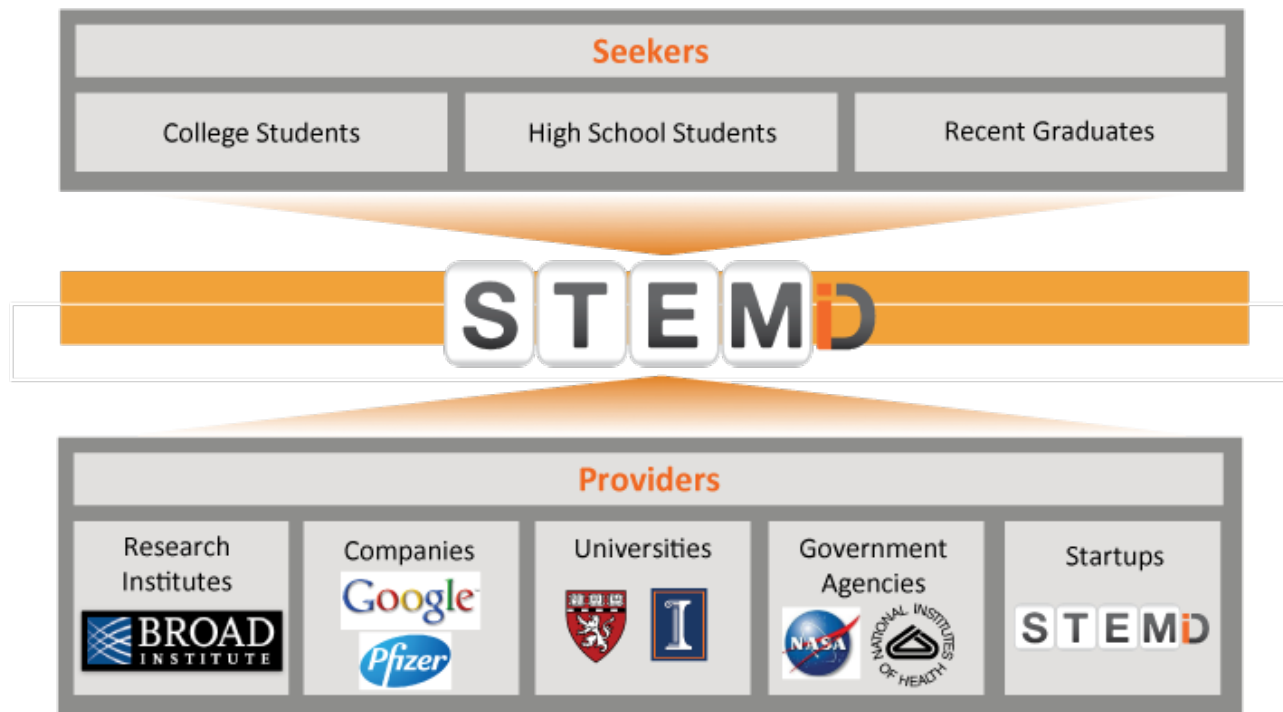
# The Problem:

How do I find an undergrad research opportunity, or summer internship?





**STEMid is a two-sided platform connecting students to STEM internship providers**



## **The Problem:**

Q: How do I find a STEM internship?

A: Go to a million departments, labs, companies

## **The Solution:**

STEMid, national database of STEM internships

## **MIT Support:**

Now, OEIT advising them on next steps

# The Problem:

How do I plan my course schedule  
over my college career?

[Help](#) ~ [Blog \(new\)](#)

Add  to Prior Credit

**General Institute Requirements:**

Physics I: [X]  
Physics II: [X]  
Calculus I: [X]  
Calculus II: [X]  
Chemistry: [X]  
Biology: [X]

CI-H [X] [X]  
REST [X] [X]  
LAB [X] [X]

**HASS:**

A [X] H [X] S [X]  
Other HASS: [X] [ ] [ ] [ ] [ ] [ ]

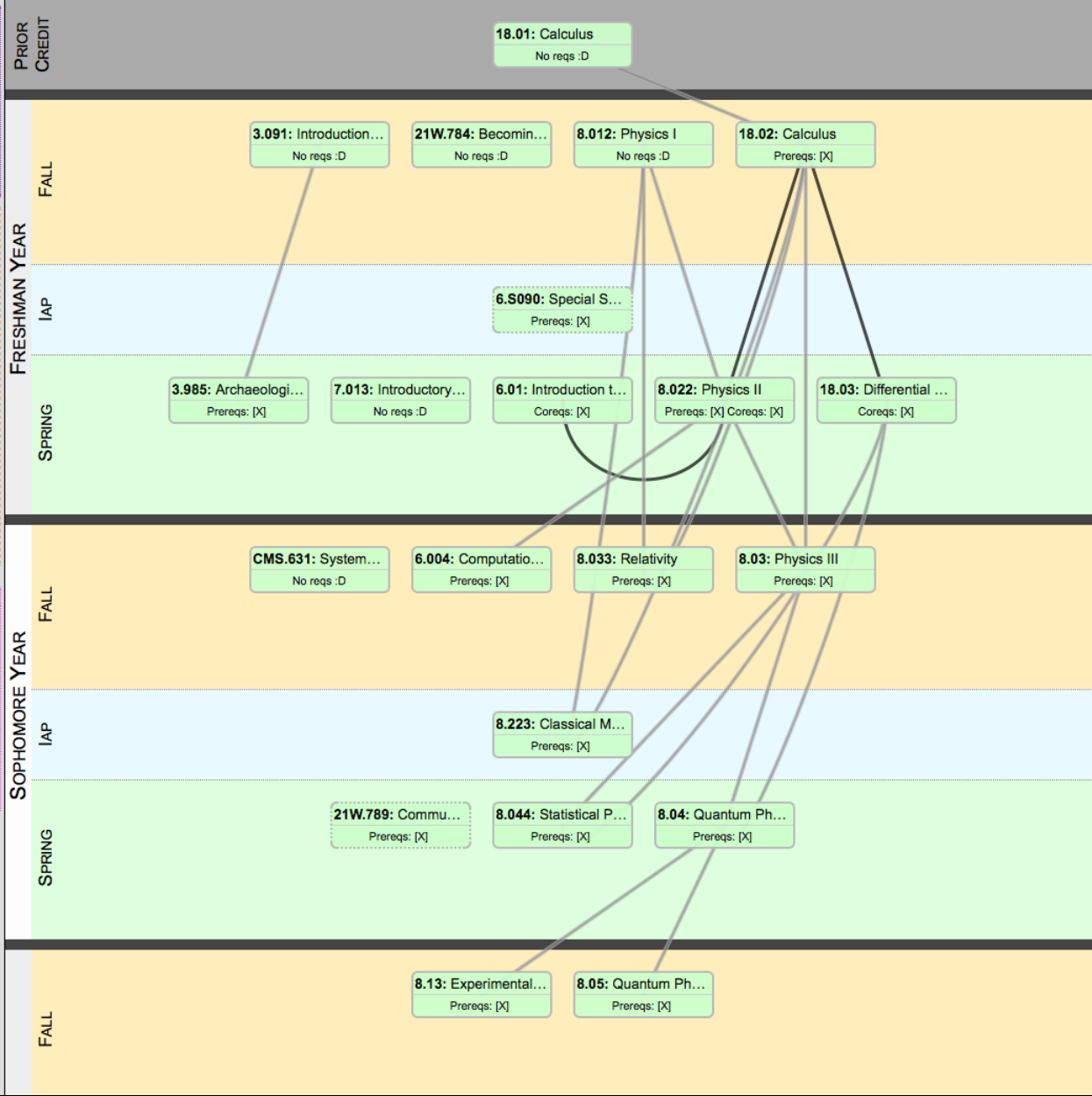
8 -- Physics (Flexible)

**Major requirements:**

[X] 8.03  
1 from:

18.03

Click on a class to see more info.



## **The Problem:**

Planning courses over college career

## **The Solution:**

CourseRoad, drag and drop classes,  
with checks for pre-req/co-req

## **MIT Support:**

Now, use CourseWS &  
OEIT supporting student this summer

Encourage a culture of  
innovation

Students solving student problems!

Start your own program!



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