

Engineering & Applied Science

Sample Schedule/Scheduling Guide

Below you will find several first-semester sample schedules for an engineering student. Please keep in mind that these are only a few of the many variations based on incoming AP or transfer credits and course choice.

No AP or Transfer Credit

Course	Course Title	Credits
ENGR 005	Introduction to Engineering Practice	2
MATH 021	Calculus I	4
PHY 011	Introductory Physics I	4
PHY 012	Introductory Physics Laboratory I	1
WRT 001	Critical Reading and Composition	3
	TOTAL:	14

Credit for WRT 001 and PHY 011 & 012

Course	Course Title	Credits
ENGR 005	Introduction to Engineering Practice	2
ENGR 010	Applied Engineering Computer Methods	2
CHEM 030	Introduction to Chemical Principles	4
MATH 021	Calculus I	4
WRT 002	Literature Seminar for First-Year Students	3
	TOTAL:	16

Credit for WRT 001 and WRT 002

Course	Course Title	Credits
ENGR 005	Introduction to Engineering Practice	2
PHY 011	Introductory Physics I	4
PHY 012	Introductory Physics Laboratory I	1
MATH 021	Calculus I	4
ECO 001	Principles of Economics (or HU or SS course)	4
	TOTAL:	15

Your schedule will look similar to the above samples. However, due to AP, and/or transfer credit, you may be eligible to register for more advanced courses. The standard load for a first semester engineering student is 14-16 credits, with 17 credits being the maximum allowed.

Engineering Scheduling Guide

The extensive course listing and variety of course meeting times may make scheduling seem overwhelming, but by following the tips below, you will be able to create a schedule that allows you to successfully begin your academic career at Lehigh!

1. Review the [sample schedules](#) on the [Engineering page](#) of the [First-Year Student Website](#) for an idea of the courses you should be registering for based on potential AP or transfer credit.
2. Review the [Instructional Guides and Videos](#) on the Office of Registrar's website to learn how to browse for classes, use the Plan Ahead feature and actually register for your classes.
3. Be especially sure to review the [Register for linked courses](#) guide since linked courses are a common registration stumbling block.
4. Develop a few schedules with varying times! Although you may not get into your first class choice, we will make sure that you can register for the classes you need.
5. Be sure to create a full-time (12 credit minimum) schedule with the primary classes you need. If necessary, you will be able to make changes to your schedule when you come to campus in the fall. The Add/Drop period extends through the 10th day of classes.

Note: If you were admitted to the Bachelor's to Master's Accelerated (4 + 1) Program, you will receive information regarding special course selection advising sessions for students intending on degree acceleration from Dr. Derrick Brown (dgb3@lehigh.edu).

In order to help ease the schedule building process, we recommend that you select courses in the following order:

(Note: This is only a guide to help you plan. You are not required to register in a specified sequence.)

1. Select a section of ENGR 005 - This course is required for all Engineering students in your first term, and there are only two sections from which to choose.
2. Select a Math course. - The initial math course for engineering students is MATH 021. However, AP credit or the recommendation from the Mathematics Department may change which math course you take in fall.
 - a. The Mathematics Department uses a placement tool called ALEKS to assist in evaluating students' readiness for Calculus. You will receive information in your Lehigh email mid to late May regarding ALEKS.
 - b. Please reply promptly to the request to take the evaluation so we can send a math recommendation to you prior to registration in July.
 - c. More information about ALEKS is available on the [First-Year Math Courses](#) page.
3. Choose a science - CHM 030 or PHY 011 & 012. Labs on Tuesday, or Thursday afternoons will coordinate well with both sections of ENGR 005.
4. If you select CHM 030, we suggest that you register for ENGR 010 as well as a way to manage your credit total. If you are taking PHY 011 & 012, you may take ENGR 010 in fall or you may choose to wait until spring to take it.
5. *Students who register for PHY 011 in the fall may or may not be able to register for PHY 012 (the lab) with it due to space limitations, and will*

take PHY 012 in the spring. The Physics Department has indicated this is an acceptable plan and will not impede learning. **Students who do not take PHY 012 in fall should plan to include ENGR 010 in their fall schedule.**

Special note to students considering a major in

Bioengineering: You should not take Chemistry in your first semester. Instead, you should register for PHY 011 and PHY 012.

In spring you will take BIOS 041 and BIOS 042 which conflict with the class times PHY 011 & PHY 012 are offered in that semester.

6. Schedule your English class. - There are multiple sections of WRT 001 available at varying times, so it will be easiest to fit this course into your plan once you've secured your other courses.
7. Students anticipating AP credit for courses mentioned above, should consider registering for ECO 001, which is required for all Engineering programs. (Refer to the [Engineering sample schedules](#) for more assistance with AP credit.)

If you have any questions about course selection, or anything else, please do not hesitate to contact us at rossinadvise@lehigh.edu.