

SPRING 2024

Technical Electives:

- 1) ANY other Engineering course outside of your major.

An Electrical Engineering student could take ANY other Electrical Engineering class that is NOT part of their required curriculum. They could also take ANY Civil (or Mechanical, or Biomedical, etc.) class.

A Civil Engineering major could take ANY other Civil Engineering class that is NOT part of their required curriculum. They could also take ANY Mechanical (or Computer, or Electrical, etc.) class.

If you want to take something not listed as a Technical or Major Elective, make sure the material covered in that class is not covered by one or more of your required classes.

For example, CIVE 2000 Statics & Mechanics of Materials I teaches material that is also covered by MECH 2000 Statics.

Email Cindy Rosner rosnerc1@wit.edu to ask. Include your WIT ID and the course name & prefix.

- 2) Graduate-level classes (Juniors and Seniors only, maximum of two classes will count as Technical Electives)
 - Juniors need a GPA of 3.0+, permission from the instructor, and approval from the Dean's Office.
 - Seniors need a GPA of 3.0+ and permission from the instructor.

Major Electives:

The courses in your major that are outside of your required curriculum. Graduate-level classes would be an example of outside of your required curriculum.

Engineering Electives:

ANY Engineering class that is outside of your required curriculum. This can be in your major or outside of your major.

Minors as Technical Electives:

Classes taken for declared and completed minors can also count as Technical Electives

- Needs recommendation from your advisor
- Needs approval from the Dean's office

Please check that you have the required Prerequisites for any class you're considering.

For SSH Electives information see the SSH link on previous page or contact SSHDean@wit.edu.

JUNIORS should not need any Electives as they are on Co-Op. FRESHMEN do not need any Electives.

NB: The information below is from the Program Details for Catalog Years Fall 2022 (for Sophomores) and Fall 2020 (for Seniors). If your Catalog Year is different (transfer student, off-track), you will want to check the Program Details for your Catalog Year (semester and year you started at WIT) to see what your Spring 2024 requirements are.

BIOLOGICAL:

Sophomores need an SSH Elective

Seniors need an SSH Elective

BIOMEDICAL:

Sophomores do not need any Electives

Seniors need an SSH Elective

CIVIL:

Sophomores do not need any Electives

Seniors need a Science Elective (generally Biology or Geology), a Civil Engineering/Major Elective, an SSH Elective

Major Elective options:

CIVE 4300 FOUNDATION ENGINEERING	(prerequisite CIVE 3300)	MW 3:30 – 4:50
CIVE 4350 REINFORCED CONCRETE DESIGN	(prerequisite CIVE 3200)	MW 8:00 – 9:20
CIVE 4375 WATER AND WASTEWATER TREATMENT	(no prerequisite)	M 1:00 – 2:50 & W 1:00 – 2:50

There will be three CIVE grad-level classes added to the schedule. If you meet the above requirement, email Cindy Rosner rosnerc1@wit.edu in the SOE Dean's Office to enquire.

COMPUTER:

Sophomores need an SSH Elective
Seniors need an SSH Elective

ELECTRICAL:

Sophomores need an SSH Elective
Seniors need an SSH Elective

ELECTROMECHANICAL:

Sophomores do not need any Electives
Seniors need an SSH Elective

ENGINEERING (BSEN):

Sophomores need 2 Engineering Concentration courses and an Elective
Seniors need a Directed Studies/General Elective, 2 Engineering Concentration courses, and an SSH Elective

MECHANICAL:

Sophomores do not need any Electives
Seniors need an SSH Elective and a Technical Elective

MANF 1500 INTRO TO ADDITIVE MANUFACTURING	(prerequisite MECH 2300)
MANF 2000 COMPUTER-AIDED MANUFACTURING	(prerequisite MANF 1000)
MECH 3350 GAS DYNAMICS	

Grad-level classes (no prerequisites):

MECH 6050 GAS DYNAMICS
MECH 6100 RELIABILITY IN MACHINE DESIGN
MECH 6150 SPATIAL MECHANISMS IN ROBOTICS