

### 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.

- 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.
- 3) ANY advanced Applied Math, Applied Science, or Computer Science course that is outside of your required curriculum.

### 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 options please contact SSHDean@wit.edu\*\*\*

SENIORS should not need any electives as they are on Co-Op. FRESHMEN do not need any electives.

BIOLOGICAL – Juniors need a Biological Engineering Elective (from this list) \*and\* an SSH Elective:

BIOE 3100 Metabolic Engineering

BIOMEDICAL – Juniors need a Major Elective (from this list) \*and\* an SSH Elective:

BMED 4800 Med Informatics & Telemedicine

BMED 4850 Medical Imaging & Optics

MECHANICAL – Juniors need a Technical Elective (can be from this list, see also definition above)

Sophomores need an SSH Elective:

MANF 1000 Manufacturing Processes

MANF 1500 Intro to Additive Manufacturing

MANF 2000 Computer Aided Manufacturing

COMPUTER– Juniors need a Technical Elective (can be from this list, see also definition above)

Sophomores need an SSH Elective:

ELEC 3025 Internet of Things

ELEC 3160 Digital Image Processing

ELEC 3800 Intro to Robotics

Graduate-level options:

ELEC 5675 VLSI

ELEC 5725 Machine Percept & Cognition

ELEC 6000 Power Systems Analysis I

ELECTRICAL – Juniors need a Technical Elective (can be from this list, see also definition above):

ELEC 3025 Internet of Things  
ELEC 3160 Digital Image Processing  
ELEC 3800 Intro to Robotics

Graduate-level options

ELEC 5675 VLSI  
ELEC 5725 Machine Percept & Cognition  
ELEC 6000 Power Systems Analysis I

CIVIL – Juniors need a Civil Engineering Elective (from this list):

CIVE 3800 Special Topics Civil Engineering: Engineering Boston

Graduate-level options:

**If your GPA is lower than 3.0, please email Interim Associate Dean and CIVE Associate Professor Anuja Kamat for permission. Include your WIT ID and GPA in the email. Minimum acceptable GPA is 2.9+.**

CIVE 7375 Contaminant Fate & Transport  
CIVE 7600 Advanced Steel Design  
CIVE 8550 Site Planning & Development

BELM and BSEN majors should consult their program requirements in the catalog for their Catalog Year.