Civil Engineering Technical and Engineering Electives: **Prerequisite:**
CIVE 4300   Foundation Engineering   CIVE 3300
CIVE 4350   Reinforced Concrete Design   CIVE 3200
CIVE 4375   Water and Wastewater Treatment   none
CIVE 4400   Municipal Planning   CIVE 3900
CIVE 7000   Construction Engineering Management   GPA of 2.8+ or permission from Prof. Das
CIVE 7800-01   Structural Timber Design   GPA of 2.8+ or permission from Prof. Das

Mechanical Engineering Technical Electives:
MANF 3800   Additive Manufacturing   MECH 2300
MANF 2000   Computer Aided Manufacturing   MANF 1000
MECH 3350   Gas Dynamics   MECH 3200
MECH 6060   Control of Mechanical Systems   GPA of 2.8+ or permission from Prof. Dow
MECH 7800-01   Design for Manufacturing   GPA of 2.8+ or permission from Prof. Dow
MECH 7800-02   HVAC   (Coming Soon)   GPA of 2.8+ or permission from Prof. Dow

Electrical and Computer Engineering Technical Electives:
ELEC 3800   Introduction to Fiber Options (Coming Soon)
ELEC 5550   Digital Signal Processing   GPA of 2.8+ or permission from Prof. Ghanavati
ELEC 5700   Robotics & Automation Systems   GPA of 2.8+ or permission from Prof. Ghanavati
ELEC 6000   Power Systems Analysis I   GPA of 2.8+ or permission from Prof. Ghanavati

All Engineering students can also take Engineering courses outside of their programs as Technical and Engineering electives as long the course materials are not covered by one or more of their required classes.

For Example:
- **Mechanical Engineering students** cannot take CIVE 2000, CIVE2500, MECH2400, or MECH 3599 as the materials taught are covered by required classes.
- **Electrical and Computer Engineering students** cannot take ELEC2299, ELEC2300, ELEC2699, MECH2000, MECH2400, MECH3850, or CIVE2000 as the materials taught are covered by required classes.
- **Biomedical Engineering students** cannot take ELEC2250, ELEC2275, ELEC2300, ELEC2799, ELEC3250, CIVE2000, MECH2000, MECH2400 or MECH3850 as the materials taught are covered by required classes.
- **Electromechanical Engineering students** cannot take ELEC2250, ELEC2299, ELEC2699, ELEC2750, ELEC2799, CIVE2000, CIVE2500, MECH2500, and MECH3599 as the materials taught are covered by required classes.

Please note:
Courses outside the School of Engineering and Computer Science are not accepted for Technical and Engineering electives. Some computer science courses may count as Technical/Engineering electives; please contact the Program Director for your major for approval.
All juniors and seniors can take up to two graduate classes and also transfer them to MS programs.
Technical overrides are needed to allow undergraduates to register for graduate classes. Email Cindy Rosner rosnerc1@wit.edu*.*
Please always include your WIT ID, the course name, its prefix and number, and specifics of the issue you're having when reaching out for assistance.

Program Directors:
Prof. Afsaneh Ghanavati   Electrical and Computer Engineering, BSEN   ghanavatia@wit.edu
Prof. Douglas Dow   Electromechanical and Mechanical Engineering   dowd@wit.edu
Prof. Gautham Das   Civil, Biological, and Biomedical Engineering   dasg@wit.edu

SoE can't assist with registering/overrides for other Schools' courses:
For questions/issues related to School of Sciences and Humanities classes (PHYS, HIST, BIOL, ENGL, etc.) - SSHDean@wit.edu
For questions/issues related to School of Computing & Data Sciences classes (MATH, COMP) - SCDS@wit.edu
For questions/issues related to School of Management classes (MGMT, CONM) - SOM@wit.edu