

Nuclear Engineering Science & Design Electives 2022-2023

ENGR 3160U	Engineering Operations & Project Management	Fall	Eng Science Elective
NUCL 4510U	Nuclear Plant Chemistry	Fall	Eng Science Elective
RADI 3200U	Medical Imaging	Fall	Eng Science Elective
RADI 4550U	Radiation Detection and Measurement	Fall	Eng Science Elective
NUCL 4670U	Shielding Design	Winter	Eng Design Elective

- **Nuclear Engineering students who entered the program in 2018 or later are required to take NUCL 4460U- Nuclear Power Systems** (previously a Senior Engineering Science Elective in the winter semester).

Health Physics and Radiation Science Winter 2023

ENGR 1025U	Engineering Design	Winter	Basic Eng/Sci Elective
HLSC 1201U	Anatomy and Physiology II	Winter	Basic Eng/Sci Elective
NUCL 2010U	Thermodynamic Cycles	Winter	Basic Eng/Sci Elective
NUCL 3820U	Nuclear Reactor Kinetics	Winter	Basic Or Senior Eng/Sci Elective
ENGR 4760U	Ethics, Law and Prof for Eng.	Winter	Senior Eng/Sci Elective
NUCL 4730U	Reactor Control	Winter	Senior Eng/Sci Elective
NUCL 4610U	Corrosion for Engineers	Winter	Senior Eng/Sci Elective
NUCL 4670U	Shielding Design	Winter	Senior Eng/Sci Elective

NOTES

Please note, this is NOT an exhaustive list, there are many courses in the Faculty of Engineering and Applied Science or the Faculty of Science that you may want to take that are not on this list.

If a course you wish to take is not on this list, please fill out the Elective Request Form for consideration:

<https://nuclear.ontariotechu.ca/undergraduate/academic-advising/forms-and-documents.php>

- Some of the courses listed might not be conflict free with your program.
- Not sure what a course will be about? Read the full course description at: ontariotechu.ca/calendar under “course descriptions”

This is an active list for this academic year, other electives may have been approved in other years, please follow-up with FESNSadvising@ontariotechu.ca if you need clarity