

NUCLEAR ENGINEERING

FALL 2020

COURSE CODE	COURSE NAME	ELECTIVE TYPE
NUCL 4510U	Nuclear Plant Chemistry	Engineering / Science
RADI 3200U	Medical Imaging	Engineering / Science
RADI 4550U	Radiation Detection & Measurement	Engineering / Science

WINTER 2021

COURSE CODE	COURSE NAME	ELECTIVE TYPE
NUCL 4460U	Nuclear Power Systems	Engineering / Science
NUCL 4680U	Nuclear Materials	Engineering / Science
NUCL 4880U	Principles of Fusion Energy	Engineering / Science
RADI 4440U	Radioisotopes & Radiation Machines	Engineering / Science

WINTER 2021

COURSE CODE	COURSE NAME	ELECTIVE TYPE
ENGR 3840U	Fuel Cell Design	Engineering Design
NUCL 4670U	Shielding Design	Engineering Design

HEALTH PHYSICS & RADIATION SCIENCE

WINTER 2021

COURSE CODE	COURSE NAME	ELECTIVE TYPE
HLSC 1201U	Anatomy & Physiology II	Basic Engineering / Science
MATH 2070U*; or MATH 2810U*	Numerical Methods; or Advanced Engineering Math	Basic Engineering / Science
NUCL 2010U	Thermodynamic Cycles	Basic Engineering / Science
NUCL 3820U	Nuclear Reactor Kinetics	Basic or Senior Engineering / Science
NUCL 4730U	Reactor Control	Senior Engineering / Science
NUCL 4610U	Corrosion for Engineers	Senior Engineering / Science
NUCL 4670U	Shielding Design	Senior Engineering / Science
NUCL 4680U	Nuclear Materials (prereq – ask fesnsadvising@uoit.ca)	Senior Engineering / Science

NOTES

- *whichever course you did not take already in 2nd year
- Please note: this list is not exhaustive – 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, please email fesnsadvising@ontariotechu.ca with a request for approval.
- Not sure what a course will be about? Read the full course description at: ontariotechu.ca/calendar under “course descriptions”