McMaster University | Engineering
Engineering Physics

Graduate Course Offerings 2026-27

COURSE	DESCRIPTION	TERM	INSTRUCTOR
ENG PHYS 6B03	Biosensors - Fundamentals and Applications	Winter 2027	N. Hildebrandt
ENG PHYS 6D04	Nuclear Reactor Physics	Winter 2027	M. Welland
ENG PHYS 6I03	Introduction to Biophotonics	Winter 2027	Q. Fang
ENG PHYS 6MD3	Nanoscale Semiconductor Devices	Winter 2027	TBC
ENG PHYS 6NE3	Advanced Nuclear Engineering	Winter 2027	M. Piro
ENG PHYS 6P03	Nuclear Power Plant Systems and Operation	Fall 2026	B. Rouben
ENG PHYS 6PP3	Plasma Physics Applications	Winter 2027	A. Buijs
ENG PHYS 6QC3	Introduction to Quantum Computing	Fall 2026	R. LaPierre
ENG PHYS 6QM3	Quantum Optics and Metrology	Winter 2027	R. LaPierre
ENG PHYS 6Z04	Semiconductor Manufacturing Technology	Fall 2026	G. Kolhatkar
ENG PHYS 702	Graduate Seminars	Fall 2026/Winter 2027	M. Piro
ENG PHYS 705	III-V Materials and Devices	Fall 2026	R. LaPierre
ENG PHYS 709 / BIOMED 707 *	Advanced Topics in Biophotonics	Winter 2027	Q. Fang
ENG PHYS 715	Advanced Nuclear Reactor Thermalhydraulics	Fall 2026	T. Nitheanandan
ENG PHYS 724 / MATLS 724*	Materials Characterization	Fall 2026	N. Bassim
ENG PHYS 733	Research Project for MEng Students	All Terms	Various
ENG PHYS 740 / ECE 740*	Semiconductor Device Theory and Modeling	Fall 2026	Y. Harrada
ENG PHYS 782 / MATLS 782*	Solid-State Electronics	Winter 2027	P. Mascher
ENG PHYS 784	Nuclear Fuel Management	Fall 2026	B. Rouben
ENG PHYS 785	Nuclear Security and Safeguards	Winter 2027	J. Whitlock

* Cross listed courses

Updated: July 2, 2026

All courses are subject to change

Please contact Clara Lau at clara.lau@mcmaster.ca for any questions