Graduate Course Listings for Fall 2025 and Winter 2026

COURSE	DESCRIPTION	TERM	INSTRUCTOR
ENG PHYS 6B03	Biosensors - Fundamentals and Applications	Winter 2026	N. Hildebrandt
ENG PHYS 6D04	Nuclear Reactor Physics	Winter 2026	A. Buijs
ENG PHYS 6I03	Introduction to Biophotonics	Winter 2026	Q. Fang
ENG PHYS 6MD3	Nanoscale Semiconductor Devices	Winter 2026	A. Kitai
ENG PHYS 6NE3	Advanced Nuclear Engineering	Winter 2026	N. Popov
ENG PHYS 6P03	Nuclear Power Plant Systems and Operation	Fall 2025	B. Rouben
ENG PHYS 6PP3	Plasma Physics Applications	Fall 2025	A. Buijs
ENG PHYS 6QC3	Introduction to Quantum Computing	Fall 2025	R. Lewis
ENG PHYS 6QM3	Quantum Optics and Metrology	Winter 2026	R. LaPierre
ENG PHYS 6S04	Lasers and Electro-Optics	Winter 2026	C. Xu
ENG PHYS 6Z04	Semiconductor Manufacturing Technology	Fall 2025	G. Kolhatkar
ENG PHYS 702	Graduate Seminars	Fall 2025/Winter 2026	R. LaPierre
ENG PHYS 709 / BIOMED 707	Advanced Topics in Biophotonics	Fall 2025	Q. Fang
ENG PHYS 713	Nuclear Safety Analysis and Reactor	Winter 2026	T. Nitheanandan
ENG PHYS 724 / **MATLS 724**	Materials Characterization	Fall 2025*	N. Bassim
ENG PHYS 725 / **MATLS 725**	Transmission Electron Microscopy	Winter 2026*	M. Lagos
ENG PHYS 729	Thin Film Growth Deposition	Winter 2026	R. Lewis
ENG PHYS 733	Research Project for MEng Students	All Terms	Various
ENG PHYS 740 / **ECE 740**	Semiconductor Device Theory and Modeling	Fall 2025*	Y. Harrada
ENG PHYS 782 / MATLS 782	Solid-State Electronics	Fall 2025	P. Mascher
ENG PHYS 784	Nuclear Fuel Management	Fall 2025	B. Rouben

*Cross listed courses All courses are subject to enrollment minimums and instructor availability Updated Dec 12, 2025

If you have any questions, please contact Clara Lau (Clara.lau@mcmaster.ca)