



Coursework [WPI Transcript](#) | [UrFU Transcript](#)

Selected coursework is tabulated below. Official transcripts are linked above to view courses.

Abbreviations: GR = Graduate, UG = Undergraduate, WPI = Worcester Polytechnic Institute, UrFU = Ural Federal University

Topic Group	Topic	Level	Institution	Grade
Engineering Electrical & Computer	Advanced Analog Integrated Circuit Design	G	WPI	A
	CMOS Fundamentals	UG	WPI	A
	Analog Integrated Circuit Design	UG	WPI	A
	Modeling & Synthesis of Digital Systems Using Verilog & VHDL	GR	WPI	A
	Methodologies for System Level Design & Modeling	GR	WPI	A
	Computer Architecture	GR	WPI	A
	Theory of Electrical Engineering (3 courses)	GR	UrFU	A
	Physical Foundations of Electronics	GR	UrFU	A
	Analog Electronics	GR	UrFU	A
	Digital Electronics	GR	UrFU	A
	Pulse Electronics	GR	UrFU	A
	Microprocessor Engineering	GR	UrFU	A
	Microprocessor Systems	GR	UrFU	A
	Electronics & Automation (2 courses)	GR	UrFU	A
	Computer Aided Design (CAD) in Electrical Engineering	GR	UrFU	A
	Control Theory	GR	UrFU	A
Computer Science	Design of Software Systems	GR	WPI	A
	Machine Learning for Engineering Applications	GR	WPI	A
	Foundations of Computer Science	GR	UrFU	A
	Information Technology	GR	UrFU	A
	Computer Networks & Systems	GR	UrFU	A
Mathematics Pure	Mathematical Analysis	GR	UrFU	A
	Complex Variable Functions	GR	UrFU	A
	Linear Algebra	GR	UrFU	A
	Vector Algebra & Geometry	GR	UrFU	A
	Vector Analysis	GR	UrFU	A
	Differential Equations & Series	GR	UrFU	A
	Probability & Statistics	GR	UrFU	A
Mathematics Applied	Numerical Methods of Analysis	GR	UrFU	A
	Methods of Mathematical Physics	GR	UrFU	A
	Equations of Mathematical Physics	GR	UrFU	A
Cryptography	Advanced Cryptography	GR	WPI	A
	Blockchain & Cryptocurrencies	GR	WPI	A
Natural Science Physics	General Physics	GR	UrFU	A
	Solid-State Physics	GR	UrFU	A
	Electrodynamics	GR	UrFU	A
	Thermodynamics & Statistical Physics	GR	UrFU	A
	Theoretical Mechanics	GR	UrFU	A
	Quantum Mechanics	GR	UrFU	A
	Atomic & Nuclear Physics (3 courses)	GR	UrFU	A
	Radiation Sources	GR	UrFU	A
	Nuclear Spectrometry	GR	UrFU	A
	Radiometry & Dosimetry: Methods & Techniques	GR	UrFU	A
Engineering Materials	General Chemistry (Inorganic & Organic)	GR	UrFU	A
	Materials Science	GR	UrFU	A
	Strength of Materials	GR	UrFU	A
	Machine Parts & Principles of Designing	GR	UrFU	A
	Engineering Graphics	GR	UrFU	A
	Computer Aided Design (CAD) in Mechanical Engineering	GR	UrFU	A
	Metrology, Standardization & Certification	GR	UrFU	A

Topic Group	Topic	Level	Institution	Grade
Business/Economics	Management	GR	UrFU	A
	Economic Theory	GR	UrFU	A
	Enterprise Economy	GR	UrFU	A
	Management & Marketing	GR	UrFU	A