## **Vladimir Vakhter**

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## 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* 

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Topic Group	Topic	Level	Institution	Grade
Engineering	Modeling & Synthesis of Digital Systems Using Verilog & VHDL	GR	WPI	Α
Electrical & Computer	Methodologies for System Level Design & Modeling	GR	WPI	Α
	Computer Architecture	GR	WPI	A
	Theory of Electrical Engineering (3 courses)	GR	UrFU	Α
	Physical Foundations of Electronics	GR	UrFU	Α
	Analog Electronics	GR	UrFU	Α
	Digital Electronics	GR	UrFU	Α
	Pulse Electronics	GR	UrFU	Α
	Microprocessor Engineering	GR	UrFU	Α
	Microprocessor Systems	GR	UrFU	Α
	Electronics & Automation (2 courses)	GR	UrFU	Α
	Computer Aided Design (CAD) in Electrical Engineering	GR	UrFU	Α
	Control Theory	GR	UrFU	Α
Computer Science	Design of Software Systems	GR	WPI	Α
	Machine Learning for Engineering Applications	GR	WPI	Α
	Foundations of Computer Science	GR	UrFU	Α
	Information Technology	GR	UrFU	Α
	Computer Networks & Systems	GR	UrFU	Α
<b>Mathematics</b> Pure	Mathematical Analysis	GR	UrFU	Α
	Complex Variable Functions	GR	UrFU	Α
	Linear Algebra	GR	UrFU	Α
	Vector Algebra & Geometry	GR	UrFU	Α
	Vector Analysis	GR	UrFU	Α
	Differential Equations & Series	GR	UrFU	Α
	Probability & Statistics	GR	UrFU	Α
Mathematics	Numerical Methods of Analysis	GR	UrFU	Α
Applied	Methods of Mathematical Physics	GR	UrFU	Α
	Equations of Mathematical Physics	GR	UrFU	Α
Cryptography	Advanced Cryptography	GR	WPI	Α
	Blockchain & Cryptocurrencies	GR	WPI	Α
Natural Science	General Physics	GR	UrFU	Α
Physics	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	Α
	Radiation Sources	GR	UrFU	A
	Nuclear Spectrometry	GR	UrFU	A
	Radiometry & Dosimetry: Methods & Techniques	GR	UrFU	A
Engineering	General Chemistry (Inorganic & Organic)	GR	UrFU	Α
Materials	Materials Science	GR	UrFU	Ā
	Strength of Materials	GR	UrFU	Ā
	Machine Parts & Principles of Designing	GR	UrFU	Ā
	Engineering Graphics	GR	UrFU	Ā
	Computer Aided Design (CAD) in Mechanical Engineering	GR	UrFU	Ā
	Metrology, Standardization & Certification	GR	UrFU	Ä
Management	Economic Theory	GR	UrFU	٨
Business/Economics	Enterprise Economy	GR	UrFU	A A
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