

Area Courses Signal and Image Processing

	Signal and Image Processing	
Fundamental Courses EE 441 Applied Linear Algebra for	EE 566 Optical Information Processing	EE 569 Introduction to Digital Image Processing
Engineering		EE 401, EE 503
	EE 574 Computer Vision	EE 575 Computational Differential Geometry for Engineers
CSCI 455x Introduction to Programming Systems Design	CSCI 455x	
	EE 583 Statistical Signal Processing	EE 592 Computational Methods for Inverse Problems
EE 483 Introduction to Digital Signal Processing	EE 503	EE 441, EE 483 EE 503
	EE 596 Wavelets	
EE 503 Probability for Electrical and Computer Engineers	EE 441, EE 483 EE 569	
	Data Analysis and	Machine Learning
	EE 500 Neural and Fuzzy Systems	EE 517 Statistics for Engineers
Mathematical Foundations	EE 503	EE 503
EE 512 Stochastic Processes	EE 518 Mathematics and Tools for Financial Engineering	EE 559 Mathematical Pattern Recognition
EE 441, EE 503		EE 441, EE 503
EE 562 Random Processes in	EE 563 Estimation Theory	EE 660 Machine Learning from Signals:
EE 441, EE 503	EE 503	EE 441, EE 503
	EE 669 Multimedia Data Compression	
	EE 503	
Law and Intellectual Property		
EE 682 Law and Intellectual Property	Speech, Biomedical, Aud	io, and Other Applications
EE 503	EE 519 Speech Recognition and Processing for Multimedia	EE 522 Immersive Audio Signal Processing
	EE 483	EE 483
	EE 523 Advanced Biomedical Imaging	EE 586L Advanced DSP Design Laboratory
Legend	EE 483	EE 583 or EE 569
Grouping EE ooo Course Title	EE 591 Magnetic Resonance Imaging	EE 619 Advanced Topics in Automatic
Prerequisite Courses Recommended Prep. Corequisite Courses	EE 483	Speech Recognition
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This chart shows course relationships

Please check the University Catalogue for specific course details including any recommended prepatory courses and Degree Requirements