

Ira A. Fulton
school of engineering

2008 FALL ONLINE COURSE LISTING



2008 Fall Online Courses

The Ira A Fulton School of Engineering is one of the leading engineering program in the U.S. The Engineering School offers working professional flexible, online graduate degree programs in over 12 areas. Organizations sponsoring students include: Boeing, Intel, Texas Instruments, Tektronix, Fairchild Semiconductor, Raytheon, General Dynamics, and others. ASU is home to several outstanding and nationally awarded faculty members, including thirteen members in the prestigious National Academy of Engineering.

Students can earn degrees or simply take individual courses with our flexible and convenient online offerings.

- Classes are delivered “online” over the internet via streaming video
- Access to class lectures is available 24 hours a day, 7 days a week
- Classes are archived all semester, so you can watch them multiple times
- 24/7 access to ASU’s Online Library and Services
- Full access to Faculty and other online students through email, MyASU online course environment and ASU’s online services

You will feel like you are “*virtually*” in the classroom, but have flexibility to meet your schedule, anytime, anywhere.

Academic Schedule

- Fall Semester, August 25th to December 9th, 2008

Important Dates

- Registration is now open for fall semester.
- Degree seeking students should plan for at least a one month processing for your graduate application. Your application must be accepted before registering for classes. You may apply as a non-degree seeking student and submit your graduate application during the semester.
- Applications for non-degree seeking students must be accepted before registering for classes. Allow at least two weeks before semester start date for processing of non-degree applications.
- Application deadline for admissions into MBA/MSE Dual Degree Programs is December 1, 2008 for January 2009 Cohorts.

Register Online Now!

Visit our website for detailed course information and online registration at:

ASUEngineeringONLINE.com

Fall 2008

CEE 598	ST: Earth Systems Engineering and Management	EEE 591	Electric Power Devices
CEE 598	ST: Finite Elements I	EEE 591	Electrical Machinery
CEE 598	ST: Finite Elements II	EEE 591	Microwaves
CEE 598	ST: Finite Elements III	EEE 591	S: Analog Integrated Circuits
CEE 598	ST: Industrial Ecology	EEE 591	S: Communication Systems
CEE 598	ST: Sustainable Energy & Material Use	EEE 591	S: Digital Signal Processing
CON 540	Construction Productivity	EEE 591	S: Electrical Power Plants
CON 565	Performance-Based Systems	EEE 591	S: Fiber Optics
CON 570	Cleanroom Construction I	EEE 591	S: Fundamentals of Solid-State Devices
CON 598	ST: Principles of Leadership & Management	EEE 591	S: Quantum Mechanics
CSE 531	Distributed and Multiprocessor Operating Systems	EEE 591	S: Semiconductor Facilities & Cleanroom Practices
CSE 563	Software Requirements and Specifications	EEE 598	Adv Linear Algebra & Optimization
CSE 564	Software Design	EEE 598	Power System Dynamics
CSE 565	Software Verification, Validation, and Testing	EEE 598	Space-Time Coding
CSE 591	Software Engineering Principles and Concepts	EEE 598	ST: Multimedia Quality of Service Networking
CSE 591	ST: Real-time Embedded Systems	EEE 598	ST: Overview of Electrical Engineering
CSE 593	Applied Project	EEE 627	Oversampling Sigma-Delta Data Converters
CSE 598	ST: Distributed Software Development	EEE 643	Advanced Topics in Electromagnetic Radiation
CSE 598	ST: Software Analysis and Design	EEE 691	Advanced Packaging Analysis & Design: Electrical Considerations
EEE 507	Multidimensional Signal Processing	FSE 501	Technology Entrepreneurship
EEE 509	DSP Algorithms and Software (MATLAB for DSP)	IEE 520	Statistical Learning for Data Mining
EEE 523	Advanced Analog Integrated Circuits	IEE 545	Simulating Stochastic Systems
EEE 525	VLSI Design	IEE 552	Strategic Tech Planning
EEE 531	Semiconductor Device Theory I	IEE 571	Quality Management
EEE 533	Semiconductor Process/Device Simulation	IEE 572	Design of Engineering Experiments
EEE 537	Semiconductor Optoelectronics I	IEE 573	Reliability Engineering
EEE 539	Introduction to Solid-State Electronics	IEE 578	Regression Analysis
EEE 541	Electromagnetic Fields and Guided Waves	IEE 581	Six Sigma Methodology
EEE 543	Antenna Analysis and Design	IEE 585	Six Sigma Capstone
EEE 546	Advanced Fiber Optics	IEE 598	ST: Introduction to Sustainability & Organizational Strategies
EEE 547	Microwave Solid-State Circuit Design I	IEE 598	ST: Introduction to Systems Engineering
EEE 554	Random Signal Theory	MAE 589	Heat Transfer
EEE 557	Broadband Networks	MSE 516	Mechanical Properties of Solids
EEE 558	Wireless Communications	MSE 518	Introduction to Micro-electronics Packaging
EEE 571	Power System Transients		
EEE 574	Computer Solution of Power System		
EEE 577	Power Engineering Operations and Planning		

This course list is subject to change. Please refer to our website for current offerings.

** These courses are 1 credit.*

*** This course is 4 credits. All other courses are 3 credits.*

Online Graduate Degree Programs

Master of Science in Engineering - M.S.E.

Majors:

- Electrical Engineering
- Enterprise Systems Innovation and Management (ESIM)
- Industrial Engineering
- Materials Science and Engineering
- Software Engineering

Specialty:

- Semiconductor Processing & Packaging

Master of Engineering - M.ENG.

Areas of Study:

- Embedded Systems
- Mechanical Engineering
- Modeling and Simulation
- Quality and Reliability Engineering
- Systems Engineering
- Transportation

MBA/MSE Dual Degrees

Dual Degree:

- MBA/MSE in Industrial Engineering
- MBA/MSE in Electrical Engineering

Electrical Engineering Tracks Available:

- Control systems
- Electric power and energy systems
- Electronic and mixed-signal circuit design
- Electromagnetics, antennas, and microwave circuits
- Signal processing and communications
- Solid-state electronics

Master of Science

Concentration:

- Construction

Online Graduate Certificate Program

- Graduate Certificate in Statistics - Six Sigma Black Belt
- Graduate Certificate in Sustainable Technology & Management

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