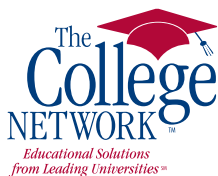


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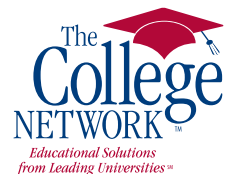
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Online

Graduate Engineering Degrees

USC Viterbi
School of Engineering



DISTANCE EDUCATION NETWORK [DEN]

Welcome

"The University of Southern California Viterbi School of Engineering Distance Education Network [DEN] has embarked on a new era of excellence. We have a superb faculty and students of high caliber. Of the top-ranked engineering universities, DEN has the widest selection of graduate engineering degrees and the greatest depth and breadth of online courses to choose from. Our staff is committed to providing the best possible service, enabling students working full-time to obtain their graduate degrees from anywhere in the world.

DEN continues to play a key role in shaping the future of engineering e-learning. To maintain our standing as pioneers in distance education, we have partnered with USC's esteemed research centers to take advantage of new technologies as they unfold. We are constantly striving to exceed expectations and are sure you will be pleased with the results."

Kelly Goulis, DEN Executive Director



:// Why USC Viterbi School of Engineering?

The University of Southern California Viterbi School of Engineering is at the center of USC's efforts to create new paradigms for responding to the most important problems and opportunities of the 21st century. Exciting new technologies being developed in the school provide the foundation for much of our work on a broad spectrum of social and technological issues. There are so many reasons to attend the USC Viterbi School of Engineering — following are just a few:

- ***Top Ten in the Nation***
U.S. News and World Report ranks USC #6 in the nation for best overall graduate programs in its 2005 rankings of the top schools of engineering.
- ***Distinguished Faculty***
With 23 faculty members elected to the National Academy of Engineering, and 40 others who have earned Presidential Early Career, Presidential Young Investigator or NSF/NIH Young Investigator awards, the school ranks among the nation's very best in these important metrics of a school's present and future strength.
- ***Research Centers***
The USC Viterbi School of Engineering is home to the distinguished Information Sciences Institute [ISI]; Integrated Media Systems Center [IMSC], the only National Science Foundation-founded engineering research center for multimedia and internet technology; and the NSF-founded Biomimetic MicroElectronic Systems Center. With over \$135 million in external funding and support, the school is among the nation's highest in volume of research activity.
- ***Strong Alumni Network***
With over 180,000 living members of the Trojan family, the USC alumni network is reputed to be one of the largest, most influential and loyal families one can ever be a part of.

:// How Does DEN Benefit Corporations?

Faced with retraining 50 million American workers, corporate America is using distance learning, both internally and externally, for all aspects of training. According to the United States Distance Learning Association, many major corporations save millions of dollars each year using distance learning to train employees more effectively and efficiently than with conventional methods.

Raise the educational credentials of your employees and help them accelerate their career by partnering with one of the top universities in the country. Following are just some of the benefits companies realize from offering employees the chance to obtain an advanced engineering degree from USC via DEN:

- ***Competitive Edge***
Continuous education enables your employees to stay in the forefront of their industry, allowing your company to maintain an edge over your competitors.
- ***Flexible Options***
Distance learning provides employees the opportunity to take classes anytime, anywhere — allowing them to balance work and family while pursuing advanced education. 50 percent of adults 25 – 54 said they would be much more or somewhat more likely to continue their education if they could get an accredited degree through distance learning. [*Learning & Training Innovations, July 14, 2004*]
- ***Improved Benefits Package***
Improve your employee benefits package by supporting advanced education, resulting in stronger recruitment and retention.
- ***Increased Workforce Credentials***
The USC Viterbi School of Engineering is one of the top ten schools of engineering in the nation. By offering your employees an opportunity to obtain their advanced degree with us, you will significantly increase the credentials of your workforce.

:// Why DEN for Employees?

An advanced degree or certificate is not a “nice to have,” but a “must have” in this age of rapidly changing technology and dynamic industry transformations. Following are some of the benefits for students earning a degree via DEN:

- ***Positive Work/Life Balance***
At USC, we realize that time is a student’s most precious commodity and recognize the importance of maintaining a positive work/life balance. Our distance education network [DEN] is designed especially for engineering professionals who work full-time.
- ***Lectures Available Live and On-Demand***
Classes are available for viewing live, and are also archived for the entire semester, allowing DEN students a chance to review complex lessons and prepare for exams. High-speed Internet access and the free Windows Media Player are all that is required.
- ***Secure Your Future***
Many engineers have found their investment in a master’s degree to be incredibly worthwhile. In addition to gaining more knowledge, graduates become qualified for positions of greater responsibility, prestige, security and earning capacity.
- ***On-Campus Class Attendance Not Required***
Students can earn their graduate degrees from a top-ranked university from the comfort of their home or office. Courses are viewed online, and homework is transmitted via e-mail or fax. Examinations are proctored at local testing centers, requiring only minimal travel time.
- ***Tuition Deferment***
The Viterbi School of Engineering assists students working in industry by deferring the up-front payment of tuition and mandatory fees if their companies reimburse upon presentation of the final grade after the semester is over.
- ***USC Degree***
Because DEN students undergo the exact same academic curriculum as on-campus graduate students, the degree conferred is a Master of Science from the University of Southern California.

“Because our offices are located in Maui, our staff embraced DEN with open arms. Our employees were thrilled to earn credits from a top school such as USC. The e-learning courses are very flexible and easy to use. In addition, the willingness of the DEN team to accommodate my staff’s work schedules and demands was a key to our success.”

Wil Otaguro – Chief Scientist, Boeing HPCC, Maui, HI

www.college-net.com/uscc

:// DEN Overview

For over 30 years, the USC Viterbi School of Engineering Distance Education Network [DEN] has been a pioneer in the distance learning arena. DEN continues to utilize the most cutting-edge Internet-delivery technology to provide a seamless experience for its students. Named one of the top e-learning programs by *U.S. News & World Report*, DEN has provided graduate engineering education to thousands of working professionals located throughout the United States and the world.

Our Corporate Clients

Educating a workforce efficiently and effectively is a critical element for achieving and maintaining a competitive advantage in today's marketplace. DEN works closely with leading organizations across the country to ensure their employees are equipped with the knowledge and skills they need. Following is a partial list of our corporate clients:

- Aerospace Corporation
- Boeing Corporation
- ChevronTexaco
- Delphi Corporation
- Honeywell
- Intel
- Jet Propulsion Laboratory [JPL]
- Lockheed Martin
- Motorola
- NASA
- Northrop Grumman
- Qualcomm
- Raytheon
- SAIC
- United States Air Force
- United Technologies Corp. [UTC]

:// How DEN Works

Courses are streamed live from studio classrooms on the USC campus and are made available on the DEN website, enabling students to access their classes live or on-demand. Live instruction is highly interactive — students can ask questions and hold discussions with the professor by telephone or threaded chat. Outside of class hours, students utilize e-mail, chat and threaded discussions to communicate with professors, teaching assistants and other students. In-class notes are made available on the DEN website for viewing and printing so students can focus on the lecture rather than on taking notes. To view courses via DEN, all a student needs is a high-speed Internet connection [minimum: DSL or cable connection].

The best research comes from an exchange of ideas, approaches, and disciplines, from a meeting of minds in a school that encourages collaborative and innovative thinking. As such, DEN works in close collaboration with USC's esteemed research centers. Both the Information Sciences Institute [ISI] and the Integrated Media Systems Center [IMSC] provide test beds for advanced learning technologies, allowing DEN to exploit research technologies as they unfold.

:// Graduate Certificate Programs

The USC graduate certificate programs require between 12 – 15 units [4 – 5 courses] for completion. If accepted into a USC Master of Science [M.S.] program, units earned for the Graduate Certificate may be applied towards those needed for the M.S. degree. Please note that admission to a certificate program does not guarantee admission to a M.S. program. DEN currently offers the following certificates:

- Aerospace Engineering [Astronautics]
- System Safety & Security
- Systems Architecture & Engineering

In addition, USC has established a unique formal university alliance with SAP to offer a collaborative SAP Academic Certification. This online program provides students with hands-on training in the SAP/R3 System.

:// Degree Programs

DEN offers the largest selection of online graduate degrees of any other top-ranked engineering university. The following degrees are available entirely online:

- M.S. in Aerospace Engineering
- M.S. in Aerospace Engineering [Astronautics]
- M.S. in Aerospace & Mechanical Engineering [Computational Fluid & Solid Mechanics]
- M.S. in Aerospace & Mechanical Engineering [Dynamics & Control]
- M.S. in Biomedical Engineering [Medical Imaging & Imaging Informatics]
- M.E. in Computer-Aided Engineering
- M.S. in Computer Engineering
- M.S. in Computer Science
- M.S. in Computer Science [Computer Networks]
- M.S. in Computer Science [Computer Security]
- M.S. in Computer Science [Multimedia & Creative Technologies]
- M.S. in Computer Science [Software Engineering]
- M.S. in Electrical Engineering
- M.S. in Electrical Engineering [Computer Networks]
- M.S. in Electrical Engineering [Multimedia & Creative Technologies]
- M.S. in Electrical Engineering [VLSI Design]
- M.S. in Engineering Management
- M.S. in Integrated Media Systems
- M.S. in Industrial & Systems Engineering
- M.S. in Mechanical Engineering
- M.S. in Medical Device & Diagnostic Engineering
- M.S. in Petroleum Engineering
- M.S. in Petroleum Engineering [Smart Oilfield Technologies]
- M.S. in Product Development Engineering
- M.S. in System Safety & Security
- M.S. in Systems Architecture & Engineering

:// General Application Criteria

For all academic programs offered through the USC Viterbi School of Engineering, applicants are required to have a Bachelor of Science degree in an engineering, math or science discipline from a regionally-accredited institution with a cumulative GPA of at least 3.0 on a 4.0 scale. Satisfactory GRE scores as determined by the department are also required.

:// Enrollment Options

In order to best serve our students' specific needs, we provide the following enrollment options:

- ***Admitted***
Admitted students are those who have formally applied for admission and been accepted to a graduate degree program. To apply for admission, applicants must submit the USC Graduate Application booklet, official transcripts of prior university or college course work and satisfactory general GRE scores [no older than 5 years] to the USC Office of Admissions. There is also an application fee. Visit <http://www.usc.edu/dept/admissions/grad> for an application.
- ***Limited***
Limited students are those who take course work for official USC credit without having been formally admitted to a degree program. Candidates for limited student enrollment must have a B.S. degree in engineering, math or science from a regionally-accredited institution with at least a 3.0 cumulative GPA. Up to 12 units of credit taken as a limited student may be applied. Limited enrollment is not a promise of future admission.
- ***Audit***
Audit students will receive class materials but do not complete homework or take examinations. A course taken for audit will not receive credit and will not appear on the USC transcript or grade report. A course taken for audit will be assessed at the current tuition rate.

Please visit www.college-net.com/usc to begin the enrollment process.

“Flexibility is the key to DEN’s success. The medium of instruction allowed me to participate in classes from my office, home, or hotel room in any corner of the world. The professors did an excellent job engaging the remote students by fostering participation – regardless of location.

DEN courses also gave me the opportunity to work with engineers from other Fortune 100 companies on real-life projects. The learning that took place outside of the classroom enhanced the program and put it ahead of traditional Masters programs.”

Ricardo Valerdi, MSSAE '02 – Motorola CGISS, San Diego, CA

:// Professional Development

USC DEN also offers many professional development courses for those who would like to brush up on topics of interest, from the latest developments in systems engineering to communication for engineers. Special discounts are available for USC alumni. Visit www.uscengineer.com for current course listings or to make special course requests.

:// Contact Us

The College Network

Academic Support Department

3815 River Crossing Parkway, Suite 260

Indianapolis, IN 46240

Tel: 800.634.1443

E-mail: academics@college-net.com

Web: www.college-net.com/support/index.asp