WebEx Quick Facts

Will I be able to get a copy of the slides after the presentation?

YES!

How can I ask a question during the information session?

1. Using the Q&A Panel, type a question in the box below the Ask drop-down menu.
2. Select a recipient from the Ask drop-down menu.
3. Click Send. We will respond as soon as we are able.
Today’s Program

- University of Southern California
- USC Viterbi School of Engineering
- Engineering Degree Programs
- DEN@Viterbi
  - Enrollment Options
  - How to Apply
  - Tuition & Fees
- Q&A
The University of Southern California

- Oldest Private University in the western U.S.
  - Founded in 1880
- 44,000 Students
  - 19,000 Undergraduates  |  25,000 Graduates
- 4,190 Full-time Faculty
- Diverse Student Population
- Located in Los Angeles
Viterbi School at a Glance

Academic Departments
- 8 Academic Departments

Faculty
- 185 tenure-track faculty
- 20+ NAE
- 60+ NSF CAREER, National & Presidential Young Investigator

Alumni
- More than 65,000+

Student Populations
- 2,700 Undergraduate
- 5,600 Graduate students

Research
- Leader in funded research
- 45+ Research Centers
- More than $185M in research expenditures
USC Engineering: Points of Distinction

- International Reputation for Excellence
- The Trojan Family Network: 65,000+ engineers strong
- Unique engineering programs available: Online, on site & on campus
- Complete range of programs
  - PhD, Masters and Bachelors
  - Graduate Certificates
  - Short Courses
  - Custom Programs
Best Engineering Graduate Schools

- **Top Ranked Graduate Engineering Program**

Best Online Graduate Engineering Programs

- **Ranked #1 Online Graduate Engineering Programs**
- **Ranked #1 Online Computer Information Technology Program (Computer Science)**

Best Online Graduate Engineering Programs for Veterans

- **Ranked #1 Online Graduate Engineering for Veterans**
- **Ranked #1 Online Computer Information Technology for Veterans**
Viterbi Faculty & Research

Presidential Award for Excellence in Science, Mathematics & Engineering Mentoring

- Awarded to Prof. Maya Mataric, who was also named one of the 25 Most Powerful Women Engineers in Technology (Business Insider)

National Medal of Science

- Awarded to the School’s namesake, Andrew Viterbi. One of the nation’s highest honors.

MIT TR35 Winners

- 13 USC Viterbi faculty winners, the most, along with MIT, of any engineering school worldwide
# Professional Programs

## Continuing education for the engineering professional

<table>
<thead>
<tr>
<th></th>
<th>Short Courses</th>
<th>Custom Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Courses available throughout the year in areas such as lean/six sigma, construction management, and health systems</td>
<td>Tailored to meet the needs of your organization – utilizing the expertise of USC faculty to create course content</td>
</tr>
<tr>
<td><strong>Timing</strong></td>
<td>Course Schedule: <a href="http://viterbi.usc.edu/professional">http://viterbi.usc.edu/professional</a></td>
<td>Flexible</td>
</tr>
<tr>
<td><strong>Course Delivery</strong></td>
<td>On Campus or Online with Interactivity</td>
<td>Flexible: On Campus, Online with Interactivity, On Site</td>
</tr>
<tr>
<td><strong>CEUs</strong></td>
<td>Awarded upon completion</td>
<td>Awarded upon completion</td>
</tr>
<tr>
<td><strong>Pricing</strong></td>
<td>Based on course</td>
<td>Flexible based on program needs</td>
</tr>
<tr>
<td><strong>How to Register</strong></td>
<td>Online registration can be found on short course page. No Application.</td>
<td>Contact <a href="mailto:professional@gapp.usc.edu">professional@gapp.usc.edu</a></td>
</tr>
</tbody>
</table>
Engineering Degree Options

37 Master’s degrees and 5 Graduate Certificates available via online delivery

Academic Departments

- Aerospace & Mechanical Engineering
- Astronautical Engineering
- Biomedical Engineering
- The Mork Family Department of Chemical Engineering & Materials Science
- Sonny Astani Department of Civil & Environmental Engineering
- Computer Science
- Ming Hsieh Department of Electrical Engineering
- Daniel J. Epstein Department of Industrial and Systems Engineering
Academic Disciplines

- Aerospace & Mechanical
- Astronautical
- Biomedical
- Chemical
- Civil & Environmental
- Computer Science
- Construction Management
- Cyber Security Engineering

- Electrical
- Energy & Sustainability
- Engineering Management
- Financial Engineering
- Green Technologies
- Industrial & Systems
- Petroleum
- Systems Architecting
Highlighted DEN@Viterbi Programs

- Cyber Security Engineering*
- Computer Science (Data Science)
- Computer Science (Scientists & Engineers)
- Systems Architecting & Engineering
- Graduate Certificate in Petroleum Engineering
  (Unconventional Resources)

*Application for the MS in Cyber Security Engineering are only accepted for the Fall semester
DEN@Viterbi

- More than 40 years of distance education expertise
- Online delivery makes earning a master’s degree practical and flexible for working professionals
- Technical Requirements
  - High-speed internet access
  - Webcam & Microphone
  - Adobe Acrobat Reader

Additional Technical Requirements:
https://viterbigrad.usc.edu/technical-support/technical-requirements
How DEN@Viterbi Works

The Viterbi School of Engineering uses a state-of-the-art, proprietary web-based delivery system that enables students from around the world to access classes live, on-demand or download.

DEN@Viterbi Students:
- View the same lectures as on-campus students, with fresh content every semester
- Participate in highly interactive discussions with professors and peers
- Submit homework electronically
- Take exams at proctored testing centers near their home or work (or at USC if in the Los Angeles area)
## DEN@Viterbi Overview

<table>
<thead>
<tr>
<th></th>
<th>DEN@Viterbi Student</th>
<th>On-Campus Student</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Program Admission</strong></td>
<td>USC Graduate Application &amp; required materials</td>
<td>USC Graduate Application &amp; required materials</td>
</tr>
<tr>
<td><strong>Weekly Course Lectures</strong></td>
<td>Online with Interactivity</td>
<td>On USC’s Campus</td>
</tr>
<tr>
<td><strong>Online Course Archives (Lectures &amp; Course Documents)</strong></td>
<td>✓</td>
<td>✓ *</td>
</tr>
<tr>
<td><strong>Assignments</strong></td>
<td>Submit electronically according to course deadlines</td>
<td>Submit during lecture or lab according to course deadlines</td>
</tr>
<tr>
<td><strong>Exams</strong></td>
<td>Proctored location</td>
<td>USC’s campus</td>
</tr>
<tr>
<td><strong>Courses per Semester (Average)</strong></td>
<td>1-2</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Degree Completion Requirements</strong></td>
<td>27-37 units with a 3.0 GPA or above</td>
<td>27-37 units with a 3.0 GPA or above</td>
</tr>
<tr>
<td><strong>USC Diploma (No Distinction)</strong></td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

*DEN@ViterbiSections Only
DEN@Viterbi’s E-Learning System

DEN@Viterbi Classroom
DEN@Viterbi’s E-Learning System
Helium Porosity vs. Air Permeability

- Used to select porosity cut-offs, for reservoir rocks.
- Based on permeability values.
Student Interactivity & Group Meetings

- All DEN@Viterbi students are provided access to their own meeting rooms which can be used for several purposes:
  - Enable video communication (web and mobile)
  - Integrate phone conferencing
  - Integrate fixed room IP video systems
  - Desktop sharing
  - Set up meetings with faculty, teaching assistants and peers

- Call in during live lectures

- Participate in live chats and threaded discussion boards
Question: Is there any difference between earning a Master’s degree on campus vs. via DEN@Viterbi?

Answer: NO. DEN@Viterbi is a delivery method. Students adhere to the:

- Same Admission Criteria
- Same Curriculum
- Same Exams and Homework
- Same Academic Standards and Graduation Requirements

Therefore...

You earn the same diploma whether you earn the degree on-campus or online through DEN@Viterbi.
DEN@Viterbi Enrollment Options
DEN@Viterbi Enrollment Options

Admitted

Student has applied and been formally admitted to a graduate degree program

vs.

Limited Status

Allows qualified applicants to take courses prior to submitting a formal application for admission or taking the GRE
Enrollment Category: Admitted

What is Admitted Status?
A student is formally admitted to a master’s degree program

Admission Criteria

- Undergraduate degree in engineering, math or a hard science from a regionally-accredited university (official transcripts submitted)
- To be competitive, a cumulative undergraduate GPA of at least 3.0 on a 4.0 scale is recommended (not required)
- Satisfactory scores on the general portion of the Graduate Record Examination (GRE) that are less than 5 years old
- CV/Resume Required
- Required supplemental materials may include Letters of Recommendation and a Statement of Purpose

Please consult https://viterbi.usc.edu/DENDegrees for more information on program requirements.
Enrollment Category: Admitted

Graduation Requirements

- Minimum 27-37 units (9-12 courses) of approved graduate coursework with at least a 3.0 overall GPA
- Most DEN@Viterbi students take 1-2 courses per semester
- DEN@Viterbi students generally take 2.5-3 years to complete their degree

With departmental approval, a maximum of 4 units may transfer from another graduate institution.
Application Deadlines

Application Deadlines for 2018

**Fall 2018**
- Deadline to submit all required materials: January 17, 2018*

**Spring 2019**
- Deadline to submit all required materials: September 15, 2018*

* A deadline extension for DEN@Viterbi applicants may be available. Please email DEN@Viterbi.usc.edu for more information.

Helpful Links:
- List of DEN@Viterbi Programs: [http://viterbi.usc.edu/DENDegrees](http://viterbi.usc.edu/DENDegrees)
- USC Graduate Application: [https://usc.liaisoncas.com](https://usc.liaisoncas.com)
Enrollment Category: Limited Status

**What is Limited Status?**

- Limited Status allows strong candidates to begin coursework before formal admission

**Limited Status Eligibility**

- Undergraduate degree in engineering, math or a hard science from a regionally accredited institution with a *cumulative GPA of at least 3.0* (on a 4.0 scale).
- You must also have the necessary background for the USC course you wish to take.

**What if I don’t meet the requirements?**

- Individuals who do not meet the requirements for limited status should apply for formal admission.
Enrollment Category: Limited Status

Overview of Limited Status

- A max. of 12 units may be taken as a Limited Status student
- Enrolled at USC, receive USC credit; and course appear on official USC transcript
- If admitted, courses taken as a Limited Status student can be applied toward an appropriate graduate program, upon departmental approval
- **Limited Status students are not formally admitted to a degree program and Limited Status does NOT guarantee admission**

How to Get Started

- Start your DEN@Viterbi Profile: viterbi.usc.edu/DENProfile
- No deadline for requesting Limited Status but DEN@Viterbi Profile should be submitted 1 week before start date of desired term.
- Apply for formal admission
## Tuition & Fees (2017-2018)

### Example of tuition and fees for a DEN@Viterbi Student

<table>
<thead>
<tr>
<th>PER-COURSE FEES</th>
<th>Unit Cost</th>
<th>Tuition for 3-Unit Course</th>
<th>Tuition for 4-Unit Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition for 500/600 level course</td>
<td>$1,937</td>
<td>$5,811</td>
<td>$7,748</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PER-SEMESTER FEES</th>
<th>Cost</th>
<th>Total per semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Access Fee</td>
<td>$35</td>
<td>$35</td>
</tr>
<tr>
<td>Norman Topping Student Aid Fund</td>
<td>$8</td>
<td>$8</td>
</tr>
</tbody>
</table>

*Additional fees include textbooks ($150 - 200) and exam proctoring fees ($40 - 100)*
Tuition Deferment Program

Students supported by a company can defer “up front” payment of tuition until after the semester is over.

Program Eligibility
- Company must pay 75-100% of tuition to be eligible for the program

Program Participation Requirements (required every semester)
- Promissory note
- Letter of employment verification
- $30 processing fee

Online Submission of Tuition Deferment:
https://viterbigrad.usc.edu/tuition-and-funding/employer-supported/
DEN@Viterbi Scholarship

Merit-based scholarship awarded to outstanding students pursuing a graduate program in fully online via DEN@Viterbi

Scholarship Details

- Partial scholarships ranging from 1-3 units of tuition are available for master’s students who receive partial or no tuition reimbursement funds from their employer
- Funding provided during awarded academic year. Applicants can reapply each year for future scholarship consideration
- Deadline to apply for Fall 2018: July 12, 2018

More Information & Application:
http://viterbi.usc.edu/gradscholarships
**DEN@Viterbi Corporate Snapshot**

<table>
<thead>
<tr>
<th>Company</th>
<th>Company</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerojet</td>
<td>General Dynamics</td>
<td>Nokia</td>
</tr>
<tr>
<td>Aerospace Corporation</td>
<td>Google, Inc.</td>
<td>Northrop Grumman</td>
</tr>
<tr>
<td>Alpine Electronics</td>
<td>Halliburton</td>
<td>Oracle</td>
</tr>
<tr>
<td>Amgen, Inc.</td>
<td>Hamilton Sundstrand</td>
<td>Pratt &amp; Whitney</td>
</tr>
<tr>
<td>BAE Systems</td>
<td>Honeywell</td>
<td>Qualcomm</td>
</tr>
<tr>
<td>Boeing</td>
<td>Intel</td>
<td>Raytheon</td>
</tr>
<tr>
<td>Boston Scientific</td>
<td>Jet Propulsion Laboratory</td>
<td>SAIC</td>
</tr>
<tr>
<td>California Resources Corp.</td>
<td>Korean Air</td>
<td>Schlumberger</td>
</tr>
<tr>
<td>Chevron</td>
<td>Kuwait Oil Company</td>
<td>Sikorsky</td>
</tr>
<tr>
<td>Cisco Systems</td>
<td>Lockheed Martin</td>
<td>Space Systems/Loral</td>
</tr>
<tr>
<td>Delphi</td>
<td>L.A. Dept of Water &amp; Power</td>
<td>Southern California Edison</td>
</tr>
<tr>
<td>Devon Energy</td>
<td>Medtronic</td>
<td>Southern California Gas Co.</td>
</tr>
<tr>
<td>Ericsson</td>
<td>Microsoft</td>
<td>United Technologies Corporation</td>
</tr>
<tr>
<td>ExxonMobil</td>
<td>Motorola</td>
<td>United States Armed Forces</td>
</tr>
<tr>
<td>GE Energy</td>
<td>NASA</td>
<td>Yahoo, Inc.</td>
</tr>
</tbody>
</table>
DEN@Viterbi around the world

Multiple DEN@Viterbi students have pursued their degree from each of the countries represented by a cardinal dot.
Getting Started

How to get started at USC Viterbi:

Prospective DEN@Viterbi Students
- Visit us online – http://viterbi.usc.edu/gradprograms
- Apply today for formal admission – https://usc.liaisoncas.com
- Start as a Limited Status student – https://viterbi.usc.edu/DENProfile

Prospective Executive Education Students
- Visit us online– http://viterbi.usc.edu/professional
- Register for an upcoming short course – http://viterbi.usc.edu/shortcourses
- Consider how a customized course might meet your department’s training needs
Contact Us

USC Viterbi School of Engineering
Graduate & Professional Programs

DEN@Viterbi.usc.edu

213.740.4488

http://viterbi.usc.edu/DEN