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

YES!

How can I ask a question during the info session?

1. Use the Q&A panel to the right of this presentation.
2. Type your question in the box.
3. An USC representative will answer your question as soon as they are able.
Today’s Program

University of Southern California
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
- 43,000 Students
  - 19,000 Undergrads
  - 24,000 Graduates
- 3,945 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
- 22 NAE
- 60+ NSF CAREER, Nat’l & Presidential Young Investigator

**Student population**
- 2,600 Undergraduate
- 5,200 Graduate students

**Alumni**
- More than 60,000+

**Research**
- Leader in funded research 45+ Research Centers
- More than $185M in research expenditures
### Best Engineering Graduate Schools

- **Top Ranked** Graduate Engineering Program

### Best Online Graduate Engineering Programs

- **Ranked #1** in Online Computer Information Technology Program (Computer Science)
- **Ranked #2** Online Graduate Engineering Program

### Best Online Graduate Engineering Programs for Veterans

- **Ranked #1** Online Graduate Engineering for Veterans
- **Ranked #1** Online Computer Information Technology for Veterans
USC Engineering: Points of Distinction

- International Reputation for Excellence

- The Trojan Family Network: 60,000+ engineers strong

- Unique engineering programs available – online, on site & on campus

- Complete range of programs
  Ph.D., Masters & Bachelors Programs | Graduate Certificates | Short Courses | Custom Programs
Viterbi School Faculty and Research

Award Winning:

• 185 tenure-track faculty with 22 members of National Academy of Engineering (NAE)

• 11 USC Viterbi faculty have been named in the MIT TR35 list since 2009, the most, along with MIT, of any engineering school worldwide

• School’s namesake, Andrew Viterbi, and Prof. Sol Golomb, awarded National Medal of Science, one of the nation’s highest honors

Interdisciplinary programs

Leaders in research

❖ Information Sciences Institute
❖ Center for Smart Oilfield Technologies
❖ Alfred Mann Institute for Biomedical Engineering
# Professional Programs

Continuing Education for the engineering professional

<table>
<thead>
<tr>
<th>Description</th>
<th>Short Courses</th>
<th>Custom Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td></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>Timing</td>
<td>Course Schedule: <a href="http://viterbi.usc.edu/professional">http://viterbi.usc.edu/professional</a></td>
<td>Flexible</td>
</tr>
<tr>
<td>Course Delivery</td>
<td>On Campus or Online with Interactivity</td>
<td>Flexible: On Campus, Online with Interactivity, On Site</td>
</tr>
<tr>
<td>CEUs</td>
<td>Awarded upon completion</td>
<td>Awarded upon completion</td>
</tr>
<tr>
<td>Pricing</td>
<td>Based on course</td>
<td>Flexible based on program needs</td>
</tr>
<tr>
<td>How to Register</td>
<td>Online registration can be found on short course page. <strong>No Application.</strong></td>
<td>Contact <a href="mailto:professional@gapp.usc.edu">professional@gapp.usc.edu</a></td>
</tr>
</tbody>
</table>
Engineering Degree Options

37 MS degrees and 4 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

<table>
<thead>
<tr>
<th>Aerospace &amp; Mechanical</th>
<th>Electrical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astronautical</td>
<td>Energy &amp; Sustainability</td>
</tr>
<tr>
<td>Biomedical</td>
<td>Engineering Management</td>
</tr>
<tr>
<td>Chemical</td>
<td>Financial Engineering</td>
</tr>
<tr>
<td>Civil &amp; Environmental</td>
<td>Green Technologies</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Industrial &amp; Systems Materials</td>
</tr>
<tr>
<td><strong>Construction Management</strong></td>
<td>Petroleum</td>
</tr>
<tr>
<td><strong>Cyber Security Engineering</strong></td>
<td>Systems Architecting</td>
</tr>
<tr>
<td>Highlighted DEN@Viterbi Programs</td>
<td></td>
</tr>
<tr>
<td>----------------------------------</td>
<td></td>
</tr>
<tr>
<td>Cyber Security Engineering</td>
<td></td>
</tr>
<tr>
<td>Computer Science (Data Science)</td>
<td></td>
</tr>
<tr>
<td>Computer Science (Scientists &amp; Engineers)</td>
<td></td>
</tr>
<tr>
<td>Graduate Certificate in Software Architecture</td>
<td></td>
</tr>
</tbody>
</table>
DEN@Viterbi

More than 40 years of distance education expertise

Online delivery makes earning an MS degree practical and flexible for working professionals

Technical Requirements:
- High-speed Internet access (DSL/Cable minimum)
- Windows Media Player
- Adobe PDF Reader
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 by 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 via email or fax 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>27-34 units with a 3.0 GPA or above**</td>
<td>27-34 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@Viterbi Sections Only.
**With the exception of the M.S. in Computer Science (Scientists & Engineers) program which requires 37 units
DEN@Viterbi’s E-Learning System

DEN@Viterbi Classroom on USC’s Campus
DEN@Viterbi’s E-Learning System

Schematic of deflagration

Video: Schematic of deflagration

Videos can be streamed or downloaded at high resolutions.
Student Interactivity & Group Meetings

All DEN@Viterbi students are provided access to their own virtual meeting rooms which can be used for several purposes:

1. Enable video communication (web and mobile)
2. Integrate phone conferencing
3. Integrate fixed room IP video systems
4. Desktop sharing
5. Set up meetings with faculty, teaching assistants, and classmates
Student Interactivity & Group Meetings

Virtual Meetings & Presentations

Call In During Live Lectures

Live Chat & Threaded Discussions
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 same admission criteria, curriculum, exams, homework, 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

<table>
<thead>
<tr>
<th><strong>Admitted</strong></th>
<th><strong>Limited</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Student has applied and been formally admitted to a graduate degree program</td>
<td>Allows qualified applicants to take courses prior to submitting a formal application for admission or taking the GRE</td>
</tr>
</tbody>
</table>
Enrollment Category: Admitted

Formally admitted to a Master’s degree program

Admission Criteria:

• Undergraduate degree in engineering, math, or 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 five years old

• Required supplemental materials may include Letters of Recommendation and a Statement of Purpose

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

Graduation Requirements

• Minimum 27-34 units* (9-11 courses) of approved graduate course work 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

*With the exception of the M.S. in Computer Science (Scientists & Engineers) program which requires 37 units
Application Deadlines

- Fall 2016: January 15 (see note below)
- Spring 2017: September 15

Note: An extended deadline may be available for individuals pursuing their degree via DEN@Viterbi. For more information, please email DEN@Viterbi.usc.edu.

Apply Online: www.usc.edu/admission/graduate/apply
Expedite Your Application (OPTIONAL)

After you submit your completed Graduate Admission application and obtain your 10-digit USC ID, submit an unofficial copy of your transcript to viterbi.documents@usc.edu

Your submission MUST follow very specific guidelines. For more information, visit: https://gapp.usc.edu/graduate-programs/masters/how-to-apply/ready

ONLY transcripts sent to this email will be accepted

Your sealed official transcripts are still a required component of the application
Enrollment Category: Limited

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

Eligibility
- Undergraduate degree in engineering, math or 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 should apply for formal admission.
Enrollment Category: Limited

Overview of Limited

• A max. of 12 units may be taken as a Limited student
• Enrolled at USC; Receives USC credit and courses appear on official USC transcript
• If admitted, courses taken as a Limited student can be applied toward an appropriate M.S. program, upon departmental approval
• Limited 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
Limited Status: Overview

- As a Limited Student you are “housed” within Graduate & Professional Programs

- The GAPP Student Affairs team can answer any questions you have on enrollment, courses, tuition, etc.

- Academic Department Advisors are unable to provide assistance to limited students

- For further questions about Limited Status email: masters@gapp.usc.edu or den@viterbi.usc.edu
## Tuition & Fees (2015-2016)

### Example for 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>$1,774</td>
<td>$5,322</td>
<td>$7,096</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)*
Students supported by company can defer “up front” payment of tuition until after the semester is over.

Company must pay 75-100% of tuition to be eligible for program.

Participation requires the following every semester:

• Promissory note
• Letter of employment verification
• $30 processing fee

Online Submission of Tuition Deferment:
https://gapp.usc.edu/tuitiondeferment
DEN@Viterbi Scholarship

• Funding available for master’s students who are working full-time and are not entirely funded by their employer.

• Partial scholarships, providing between 1-3 units of tuition per student, will be awarded to outstanding working professionals.

• One-time fellowship opportunity. Funding provided during awarded academic year.

More Information & Application:
viterbi.usc.edu/GradScholarships
## DEN@Viterbi Corporate Snapshot

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

Completed their degrees from: 40+ U.S. states, 2 U.S. territories, Canada, Korea, Kuwait, Saudi Arabia and military stations around the world
Our DEN@Viterbi Students

How can you connect with current students?

USC DEN@Viterbi

www.facebook.com/USCViterbiGAPP

@USC_GAPPenings
Getting Started

Graduate Programs

• Visit us online – https://gapp.usc.edu
• Apply Today for Formal Admission
• Start as a Limited Status student through DEN@Viterbi

Professional Programs

• Visit our website – http://viterbi.usc.edu/professional
• Register for a Professional Programs course
• Consider how a customized course might meet your department’s training needs
Contact Us

USC Viterbi School of Engineering
Graduate and Professional Programs

E: DEN@viterbi.usc.edu

P: 213.740.4488

W: https://gapp.usc.edu