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 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.
University of Southern California
Viterbi School of Engineering
Engineering Degree Programs
Distance Education Network [DEN@Viterbi]
  ❖ Enrollment Options
  ❖ How to Apply
  ❖ Tuition & Fees
Q & A
The University of Southern California

- Oldest private university in western U.S. – founded in 1880
- 41,000 Students: 18,000 Undergrads | 23,000 Graduates
- 3,500+ full-time faculty
- Diverse student population
- Located in Los Angeles – principal world center for communications, biotech research and development, commerce, entertainment and the arts.
Viterbi School at a Glance

Academic Departments
- 8 Academic Departments

Faculty
- 174 tenure-track faculty
- 19 NAE
- 60+ NSF CAREER, Nat’l & Presidential Young Investigator

Student population
- 2,400 Undergraduate
- 4,800 Graduate students

Research
- Leader in funded research 45+ Research Centers

Alumni
- More than 60,000+
USC Engineering: Points of Distinction

1. International Reputation for Excellence

2. Announcements:
   - Ranked #1 in Online Computer Information Technology Program (Computer Science) and Top Ranked Online Graduate Engineering Program by the US News and World Report (2015 Edition).

3. The Trojan Family Network: 60,000+ engineers strong

4. Unique engineering programs available – online, on site & on campus.

5. Complete range of programs
   - PhD, Masters & Bachelors Programs
   - Graduate Certificates
   - Continuing Education Short Courses
   - Custom Programs
174 tenure-track faculty with 19 members of National Academy of Engineering (NAE)

Since 2009, USC Viterbi had the largest number of MIT TR35 winners than any 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

Leader in research

- Information Sciences Institute
- Center for Smart Oilfield Technologies
- Alfred Mann Institute for Biomedical Engineering
Engineering Degree Options at USC

40 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

- Aerospace & Mechanical Engineering
- Astronautical Engineering
- Biomedical Engineering
- Chemical Engineering
- Civil & Environmental Engineering
- Computer Science
- Construction Management
- Cyber Security Engineering
- Electrical Engineering
- Energy & Sustainability Engineering Management
- Financial Engineering
- Green Technologies
- Industrial & Systems Engineering
- Materials Engineering
- Petroleum Engineering
- Systems Architecting & Engineering
New DEN@Viterbi Programs

Cyber Security Engineering

Computer Science (Data Science)

Computer Science (Scientists & Engineers)

Petroleum Engineering (Geoscience Technologies)

Graduate Certificate in Software Architecture
Professional Programs

Continuing education courses for the engineering professional

Short Courses
- Offered throughout the year – online and on-campus
- Topics Include:
  - Aviation Safety and Security
  - Lean/Six Sigma
  - Construction Management
  - Engineering Leadership & Communication
  - Health Systems

Custom Programs
- Tailored to the needs of the organization
- Utilizes the expertise of USC faculty to create course content
- Flexibility in pricing, timing, location and content
Distance Education Network (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)
## Distance Education Network (DEN@Viterbi)

<table>
<thead>
<tr>
<th></th>
<th>DEN@Viterbi Student</th>
<th>On-Campus Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Admission</td>
<td>USC Graduate Application &amp; required materials</td>
<td>USC Graduate Application &amp; required materials</td>
</tr>
<tr>
<td>Weekly Course Lectures</td>
<td>Online with Interactivity</td>
<td>On USC’s Campus</td>
</tr>
<tr>
<td>Online Course Archives</td>
<td></td>
<td>❑</td>
</tr>
<tr>
<td>(Lectures &amp; Course Documents)</td>
<td></td>
<td>❑  *</td>
</tr>
<tr>
<td>Assignments</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>Exams</td>
<td>Proctored location</td>
<td>USC’s campus</td>
</tr>
<tr>
<td>Courses per Semester</td>
<td>1-2</td>
<td>3-4</td>
</tr>
<tr>
<td>(Average)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Degree Completion</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>Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USC Diploma</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>(No Distinction)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*DEN@Viterbi Sections Only.
DEN@Viterbi’s E-Learning System
Schematic of deflagration

Turbulent premixed flame experiment in a fan-stirred chamber [http://www.mech-eng.leeds.ac.uk/res-group/combustion/activities/Bomb.htm]

Flame thickness ($\delta$) $\sim \alpha / S_L$
($\alpha$ = thermal diffusivity)

Videos can be streamed or downloaded at high resolutions
DEN@Viterbi’s E-Learning System
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 Lecture

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

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

vs.

Limited
Allows qualified applicants to take courses prior to submitting a formal application for admission or taking the GRE
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 [http://viterbi.usc.edu/DENdegrees](http://viterbi.usc.edu/DENdegrees) for more information on program requirements.
Graduation Requirements

- Minimum 27-34 units (9-11 courses) of approved graduate course work with at least a 3.0 overall GPA
- Most DEN students take 1-2 courses per semester
- DEN 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

- **Fall 2015: Apply Today!**
  
  *DEN@Viterbi applications are still being accepted.*

- **Spring: September 15**

Note: Application deadlines can differ, always check with the department for final deadline.

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

After you submit the 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: http://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

Limited Student status allows strong candidates to begin coursework before formal admission.

Requirements for Limited Enrollment:

- 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).

- Individuals who do not meet the above requirements for limited status enrollment should apply for formal admission, where your full transcript and application can be reviewed for admission consideration.

A maximum of 12 units may be taken as a Limited student.

Enrolled in USC; Receives USC credit and courses appear on official USC Transcript.
Enrollment Category: Limited

If admitted, courses taken as a Limited student can be applied toward an appropriate MS degree program upon departmental approval.

No deadline for requesting Limited status but DEN Profile should be submitted one (1) week before start date of desired term.

Limited students are not formally admitted to a degree program and Limited Status does not guarantee admission.

Start your DEN Profile here: http://viterbi.usc.edu/DENProfile
## Tuition & Fees (2015-2016)

### Example for DEN@Viterbi Student

<table>
<thead>
<tr>
<th>PER-COURSE FEES</th>
<th>Unit Cost</th>
<th>Total per 3-Unit Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition for 500/600 level course</td>
<td>$1,774</td>
<td>$5,322</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>

Total cost per semester, for one 3-unit course: $5,365*

* Additional fees include textbooks ($150 - 200) and exam proctoring fees ($25 - 50)
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: http://gapp.usc.edu/tuitiondeferment
DEN@Viterbi Fellowship

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

- Up to 10 partial fellowships, providing 3 units of tuition per student

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

More Information & Application:
http://gapp.usc.edu/graduate-programs/scholarships/viterbi-scholarships
Aerojet Rocketdyne
Aerospace Corporation
Alpine Electronics
Amgen, Inc.
BAE Systems
Boeing Company
Boston Scientific
California Resources Corp.
Chevron
Cisco Systems
Ericsson
ExxonMobil
General Dynamics
Google, Inc.
Halliburton
Honeywell International, Inc.
Intel
Jet Propulsion Laboratory
Korean Air
Kuwait Oil Company
Lockheed Martin
L.A. Dept of Water & Power
Medtronic
Microsoft
Motorola
NASA
Nokia
Northrop Grumman
Oracle
Pratt & Whitney
Qualcomm
Raytheon
SAIC
Schlumberger
Sikorsky
Southern California Edison
Southern California Gas Co.
Space Systems/Loral
United States Armed Forces
United Technologies Corporation
Walt Disney Imagineering
Yahoo, Inc.
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 – Distance Education Network
- USC Viterbi School of Engineering Graduate Programs
- USC Grad Engineering
Getting Started

Master’s Programs

- Visit us online – http://viterbi.usc.edu/gapp
- 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: http://viterbi.usc.edu/gapp