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. A 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
- 20+ 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

USC Viterbi
School of Engineering

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 20+ members of National Academy of Engineering (NAE)
• 13 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, awarded National Medal of Science, one of the nation’s highest honors
• Prof. Maja Matarić, recipient of the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring, also named one of the 25 Most Powerful Women Engineers In Technology (Business Insider)

Interdisciplinary programs

Leaders in research
- Information Sciences Institute
- Center for Smart Oilfield Technologies
- Alfred Mann Institute for Biomedical Engineering
## 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>Description</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

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)

Graduate Certificate in Software Architecture

* Applications for the M.S. in Cyber Security Engineering program are only accepted for the Fall semester.
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><strong>DEN@Viterbi Student</strong></th>
<th><strong>On-Campus Student</strong></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</strong></td>
<td>![Checkmark]</td>
<td>![Checkmark] *</td>
</tr>
<tr>
<td>(Lectures &amp; Course Documents)</td>
<td>![Checkmark]</td>
<td>![Checkmark] *</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</strong></td>
<td>1-2</td>
<td>3-4</td>
</tr>
<tr>
<td>(Average)</td>
<td>![Checkmark]</td>
<td>![Checkmark]</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</strong></td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>(No Distinction)</td>
<td>![Checkmark]</td>
<td>![Checkmark]</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
DEN@Viterbi’s E-Learning System

Table of Contents > Week 1 > Lecture Video 01/13/2015

Lecture Video 01/13/2015

Schematic of deflagration

Turbulent premixed flame experiment in a fan-stirred chamber (http://www.mech-eng.leeds.ac.uk/research/combustion/activities/Bomb.htm)

Flame thickness ($\delta \sim \alpha / S_L$)

($\alpha = \text{thermal diffusivity}$)

Videos can be streamed or downloaded at high resolutions
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

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

- CV/Resume Required

- 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

Applying for a DEN@Viterbi Program: Select “Delivery: on-Campus and Online”
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 2017: January 15, 2017**
  
  Note: An extended deadline may be available for individuals pursuing their degree via DEN@Viterbi. For more information, please email DEN@Viterbi.usc.edu.

- **Spring 2018: September 15, 2017**

List of DEN@Viterbi Programs:
http://viterbi.usc.edu/DENDegrees

Apply Online:
https://usc.liaisoncas.com
**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](http://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: DEN@viterbi.usc.edu
## Tuition & Fees (2016-2017)

**Example for DEN@Viterbi Student**

### PER-COURSE FEES

<table>
<thead>
<tr>
<th></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>$1,845</td>
<td>$5,535</td>
<td>$7,380</td>
</tr>
</tbody>
</table>

### PER-SEMESTER FEES

<table>
<thead>
<tr>
<th></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 in varying amounts will be awarded to outstanding working professionals.

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

More Information & Application:
http://gapp.usc.edu/graduate-programs/scholarships/viterbi-scholarships
DEN@Viterbi Computer Science Scholarship

- Merit based scholarship awarded to outstanding students pursuing a Master of Science Computer Science degree fully online via DEN@Viterbi.

- 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 2017: **July 21, 2017**

More Information & Application:
[http://gapp.usc.edu/graduate-programs/scholarships/viterbi-scholarships](http://gapp.usc.edu/graduate-programs/scholarships/viterbi-scholarships)
Our DEN@Viterbi Students

Completed their degrees from: 49 U.S. states, 2 U.S. territories; Australia, Brazil, Canada, S. Korea, Kuwait, Saudi Arabia, Venezuela and many more countries!
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
USC Viterbi School of Engineering
Graduate and Professional Programs

E: DEN@viterbi.usc.edu

P: 213.740.4488

W: https://gapp.usc.edu