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

- The University of Southern California
- Viterbi School of Engineering
- Master of Construction Management
  - Program Overview
  - Application Criteria
- DEN@Viterbi
- Tuition & Fees
- Q&A
University of Southern California
University of Southern California

- Oldest private university in western U.S. – founded in 1880

- 43,000 Students: 19,000 Undergrads | 24,000 Graduates

- 3,900+ full-time faculty

- Diverse student population
A Dynamic Location: Los Angeles, California

Principal world center for aerospace, communications, biotech R&D, commerce, entertainment and the arts

Los Angeles provides a setting for numerous cultural, educational and career opportunities

California offers rich opportunities for internships and careers, with Silicon Valley to the north; the hub of biotech activity in San Diego, to the south; and Silicon Beach to the west - right in our back yard
Viterbi School at a Glance

- **Academic Departments**: 8 Academic Departments
- **Faculty**: 180 tenure-track faculty, 22 NAE, 60+ NSF CAREER, Nat’l & Presidential Young Investigator
- **Student population**: 2,600 Undergraduate, 5,200 Graduate students
- **Research**: 2,600 Undergraduate, 5,200 Graduate students
- **Alumni**: More than 60,000+
- **Leader in funded research 45+ Research Centers**
## Recent Announcements


- **Top Ranked** Graduate Engineering Program

**Best Online Graduate Engineering Programs** *by U.S. News & World Report (2015 Edition)*

- **Ranked #1** in Online Computer Information Technology Program (Computer Science)
- **Top 3 Ranked** Online Graduate Engineering Program

**Best Online Graduate Engineering Programs for Veterans** *by U.S. News & World Report (2015 Edition)*

- **Ranked #1** Online Computer Information Technology for Veterans
- **Ranked #2** Online Graduate Engineering for Veterans
Viterbi School: Points of Distinction

- International Reputation for Excellence
- World Class Faculty & Research
  - NSF Career Awardees
  - Sol Golomb, Nat’l Medal of Science
  - MIT TR35 Faculty Distinctions
- Trojan Family Network
- Complete range of programs
  - Ph.D., Master’s & Bachelor’s Programs
  - Graduate Certificates
  - Continuing Education Short Courses
  - Custom Programs
The Viterbi School of Engineering: A Leader In Research

Viterbi School is a consistent leader in funded research in the U.S.

- highly interdisciplinary research environment
- diverse research areas as robotics, software engineering, sensor networks, vision sciences, automated construction and photonics
- over 45 research centers
- industrial partnerships and collaboration

Institute for Creative Technologies
Biomimetic Microelectronic Systems Engineering Research Center
National Center for Metropolitan Transportation Research
CREATE Homeland Security Center
Meet Professor Henry Koffman

Professor of Engineering Practice

Director, Construction Engineering and Management Program

Research Interests:
- Global Construction Management
- Forensic Engineering
- BIM
- Sustainability
Construction Management

Two Masters Program:
1- MSCE – Construction Engineering & Management (27 units)
2- MCM – Master of Construction Management (33 units)

Any Undergraduate Degree (Bachelors) Required for MCM

Interdisciplinary

- Viterbi School of Engineering
- Marshall School of Business
- Gould School of Law
- School of Architecture
- Price School of Policy, Planning and Development (Real Estate)
Construction Management

Strengths:

1. Strong Industry Support with Employment Opportunities (Internships & Permanent)
2. Location in a Mega City (L.A.) with lots of Different Opportunities and Advantages (Weather)
3. Excellent Faculty with High Teaching Evaluations to Give Students the Best Education
4. State of the Art (Cutting Edges) Research in Building Information Modeling (BIM)
5. Most Alumni Work in Southern California which is still Experiencing Growth in the Sections of the Economy

Top Ranked in most popular schools for international students

Fortune Ranking

Ranked Top 10 Graduate Engineering Program

Construction Management

- 67 Masters Students
- 13 Ph.D. Candidates
  - 50% International
    - I. China
    - II. India
    - III. Iran
- 33% Females
### Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 511</td>
<td>Seminar: Building Systems</td>
</tr>
<tr>
<td>CE 501</td>
<td>Functions of the Constructor</td>
</tr>
<tr>
<td>CE 556</td>
<td>Project Controls – Budgeting &amp; Estimating</td>
</tr>
<tr>
<td>CE 566</td>
<td>Project Controls – Planning &amp; Scheduling</td>
</tr>
<tr>
<td>CE 502</td>
<td>Construction Accounting &amp; Finance OR</td>
</tr>
<tr>
<td>ACCT 509</td>
<td>Concepts of Financial and Management Accounting OR</td>
</tr>
<tr>
<td>ISE 566</td>
<td>Financial Accounting Analysis for Engineering</td>
</tr>
</tbody>
</table>

### Track Requirement: Two courses, both from Track 1, Track 2, or Track 3

(For courses available via DEN@Viterbi, visit [http://viterbi.usc.edu/msdegrees](http://viterbi.usc.edu/msdegrees))

<table>
<thead>
<tr>
<th>Track 1: Finance Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>Track 2: Real Estate Development Track</td>
</tr>
<tr>
<td>Track 3: Architecture, Engineering &amp; Construction (AEC) Technology Track</td>
</tr>
</tbody>
</table>

### Elective Courses:

Additional advisor-approved technical and advanced electives: 10-11 units
Application Criteria for Master in Construction Management

• An undergraduate degree from a regionally-accredited university with some training in capital management and statistics. Applicants with an undergraduate background that does not satisfy the course prerequisites will be counseled to correct the deficiency.

• A cumulative undergraduate GPA of at least 3.0 on a 4.0 scale is recommended

• Satisfactory scores on the general portion of the GRE or GMAT that are less than five years old

• Professional experience in activities related to construction is preferred, but not required.

• TOEFL (International Applicants)

• Supplemental Materials:
  • 2 Letters of Recommendation (Required)
  • Statement of Purpose (Required)

• Please visit viterbi.usc.edu/msdegrees for complete requirements
Application Deadlines

FALL – January 15
  ❖ For on-campus students: Apply by December 15 for funding consideration

SPRING – September 15

Apply Online
  ❖ http://www.usc.edu/admission/graduate/apply
Where our Alumni are working

What do our students do?

What do our graduates do?
Course Delivery Methods

Methods of Course Delivery

❖ On-campus, full time
  o 3 classes per semester
  o 1.5-2 years to complete degree

❖ Online delivery via DEN@Viterbi
  o 1-2 classes per semester
  o 2½ - 3 years to complete degree
More than 40 years of distance education expertise

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

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

<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</strong></td>
<td>✓</td>
<td>✓ *</td>
</tr>
<tr>
<td>(Lectures &amp; Course Documents)</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</strong></td>
<td>1-2</td>
<td>3-4</td>
</tr>
<tr>
<td>(Average)</td>
<td></td>
<td></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>✓</td>
<td>✓</td>
</tr>
<tr>
<td>(No Distinction)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*DEN@Viterbi sections only.*
Schematic of deflagration

- Reaction zone
- Direction of propagation
  Speed relative to unburned gas = \( S_L \)
- Temperature
- Reactant concentration
- Convection-diffusion zone
  \( \delta = \alpha S_L \sim 0.3 - 6 \text{ mm} \)
- Flame thickness
  \( \delta \sim \alpha / S_L \)

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

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

DEN@Viterbi Classroom on USC’s Campus
### Limited Status

- Allows strong candidates to begin coursework before formal admission.

- Courses *(maximum of 12 units)* can be applied toward degree program once admitted but **limited status does not guarantee admission**.

- Get Started: [http://gapp.usc.edu/graduate-programs/den/getting-started](http://gapp.usc.edu/graduate-programs/den/getting-started)

### Tuition Deferment Program

- 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.

- For additional information: [http://gapp.usc.edu/tuitiondeferment](http://gapp.usc.edu/tuitiondeferment)
## Tuition & Fees for M.S. Students

<table>
<thead>
<tr>
<th>PER-COURSE TUITION</th>
<th>Tuition for 3-Unit Course</th>
<th>Tuition for 4-Unit Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>500/600 level course: $1,774 per unit</td>
<td>$5,322</td>
<td>$7,096</td>
</tr>
</tbody>
</table>

- Degree Programs are 27-34 units (9-11 courses)
- For an overview of additional fees, please visit: [https://gapp.usc.edu/graduate-programs/graduate-funding/masters/tuition](https://gapp.usc.edu/graduate-programs/graduate-funding/masters/tuition)
## Getting Started

For those interested in taking classes on campus:
- Visit USC campus
- Start your application: [http://www.usc.edu/admission/graduate/apply](http://www.usc.edu/admission/graduate/apply)

For those interested in DEN@Viterbi delivery
- Start as Limited Student next semester or apply for admission at the link above
CONTACT US

USC Viterbi School of Engineering
Graduate and Professional Programs

Email (On Campus): viterbi.gradprograms@usc.edu
Email (DEN@Viterbi): DEN@Viterbi.usc.edu

Phone: 213.740.4488

Web: http://viterbi.usc.edu/msdegrees