Sonny Astani Department of Civil & Environmental Engineering

DEN@Viterbi Orientation Spring 2021

Christine Hsieh
Associate Director of CEE Student Services
christine.hsieh@usc.edu
AGENDA

DEPARTMENT
OVERVIEW

DEGREE
REQUIREMENTS

COURSE
REGISTRATION

GET CONNECTED
Christine Hsieh
Associate Director,
CEE Student Services

christine.hsieh@usc.edu
CEE DEPARTMENT OVERVIEW

Burçin Becerik-Gerber
Professor & Chair

Felipe de Barros
Professor
Director of CEE Graduate Programs
CEE DEPT OVERVIEW

> 26 Tenure/Tenure Track Faculty
> 40 Affiliated Faculty
70 PhDs
200 MS Students
150 Undergraduates
Master of Science, Civil Engineering (MSCE)  
28 Units

General

Advanced Design & Construction Technology

Construction Engineering & Management

Structural Engineering

Transportation Engineering

Transportation Systems

Water & Waste Management

Master of Science, Environmental Engr (MSENE)  
28 Units

Master of Construction Management (MCM)  
32 Units

Master of Transportation Systems Management  
35 Units
DEGREE REQUIREMENTS
DEGREE REQUIREMENTS

catalogue.usc.edu

→ Graduate & Professional Programs

• Two-Thirds of Degree Credit Must Be At the 500-level or higher

• Continuous Enrollment (Fall/Spring)

• Complete Degree within 5 years
• 3.0 Minimum GPA

• Grades of a C or higher can count toward a degree

• Pass/No Pass* do not count toward degree/graduation requirements
ACADEMIC INTEGRITY

CONSEQUENCES

You will earn an “F” in the class
   It will impact your GPA
   Fs appear on your transcript & cannot be removed

You can be suspended or expelled from USC

You Can Be Denied:
   Curricular Practical Training/Internship,
   Access to Viterbi Career Connected

Can Negatively Impact Job Opportunities
AVOID VIOLATIONS

Check With Your Professor

• If you’re unsure if something is considered cheating – ask your professor

When Collaborating

• Make sure the professor approves you to work on an assignment as a group

Don’t share/post your homework

Questions about Academic Integrity?

Viterbi Academic Integrity Officer:
Associate Professor Steve Bucher
sbucher@usc.edu
TRACKING YOUR DEGREE REQUIREMENTS

myusc.usc.edu
OASIS → STARS REPORT
Tracking Your Degree Requirements

myUSC

my Services

- Syllabus Updater for Schedule of Classes
- Grading and Rosters for instructors
- Courses
- OASIS academic records
- Undergraduate Advisement
- Office 365
- Blackboard online learning
- Web Registration
- Gmail
- Pay My Bill

Your STARS report can be found on my.usc.edu, OASIS

The study also found... USC undergraduate student... May 22... The USC Rocket P...
Tracking Your Degree Requirements

On-line Academic Student Information System

Course Information

- Registered course List
  Registered course(s), time, date and location for the three most recent semesters.

- Book list
  Lists all required and optional books that have been ordered through TrojanBookstores for the courses in which you are registered.

- Enrollment history
  Enrollment history including class level, enrollment status, units earned, program of study, etc.

- Summary of Completed Courses
  History of completed course(s) including units and grades.

- Restrictions
  Summary of active "holds," description, and removal location/phone number and any mandatory advisement obligations, if any.

- STARS report
  Detailed listing of a student's degree requirements that have been met and those that remain to be fulfilled (if any).

- STARS Interactive Audit Report
  Provides a graphical representation of a student's STARS report. Also provides the ability to plan future course registration to determine its impact on degree progress.

- Grade Report
  Grades for the current semester will post as professors submit them. You can check your grades on the Completed Course Summary page or on the Grade Report page.

- Permit to register
  Eligible students' registration appointment times.

**STARS does not automatically update, but you can email your academic advisor once you complete your first semester of classes to request an update**
PROGRAM REQUIREMENTS

cee.usc.edu/academics
cee.usc.edu/academics

What Do Civil & Environmental Engineers Do?

Our standard of living depends on our civil infrastructure, a sophisticated system of buildings, bridges, dams, airports, transportation networks, water and power distribution systems, and environmental protection systems.

Civil and environmental engineers are responsible for designing, maintaining and enhancing our civil infrastructure. They help to sustain the living standards and quality of life of the population. Civil engineers are also master builders. They create structures that stand as timeless symbols of our civilization. Environmental engineers identify and design solutions for problems involving the environment. To do so, they have to be broadly
Program Requirements
For Students Who Enrolled Fall 2019 or later

For detailed course information, please see the Course Catalogue. For a course schedule, please see the Schedule of Classes.

STUDENTS WHO STARTED THIS PROGRAM FALL 2019 OR LATER

- Complete minimum of 32 units. Some course combinations may add to more than 32 units.
- Up to four transfer graduate units may be accepted from an accredited institution with the approval of the Department.
- There is no thesis or comprehensive final examination requirement.
- At least 2/3 of the units applied to the degree must be at the 500-level or above. Learn more.

CORE Courses (16 units)

CE 501: Construction Practices (4 units)
CE 502: Construction Business (4 units)
CE 564: Construction Planning & Pre-Construction (4 units)
CE 569: Project Controls (4 units)

Electives

The rest of the units are from technical and advanced electives, selected with advisor approval.

CE 412: Construction Contracts and Law (2 units)
CE 460: Construction Engineering (4 units)
CE 461: Construction Estimating (4 units)
CE 462: Construction Methods & Equipment (2 units)
CE 469: Sustainable Design & Construction (2 units)
CE 470: Building Information Modeling & Integrated Practice (4 units)
CE 505: Data Management (2 units)
CE 568: Fundamental Concepts of Computing & Programming in Civil & Environmental Engineering (2 units)
CE 573: Advanced Technologies in AEC Practices (4 units)
CE 574: Means & Methods (4 units)
CE 575: Sustainability & Well-Being & Innovation in Design (4 units)

If any of these courses require D-Clearance, you must contact the Department that manages the course to request D-Clearance. The CEE Department cannot grant clearance for courses that are not ENE courses.

ARCH 511L: Building Systems: Materials & Construction (4 units)
GET PERMISSION TO TAKE COURSES THAT AREN'T LISTED ON THE PROGRAM PAGE
TYPICAL COURSE LOAD

Recommended Course Load
4 Units/Semester

Typical Program Length
4 years

Fulltime Enrollment
8 Units/Semester
# MASTERS CONSTRUCTION MANAGEMENT (MCM)

## PROGRAM REQUIREMENTS (32 UNITS)

### Core Courses (16 Units)
- **CE 501**: Construction Practices (4 units)
- **CE 502**: Construction Accounting, Finance and Strategy (4 units)
- **CE 564**: Construction Planning & Pre-Construction (4 units)
- **CE 569**: Project Controls (4 units)

### Major-Related Electives (16 Units)

## SPRING DEN OPTIONS

### Core Fall Options
- **CE 569**: Project Controls (4 units)

### Electives
- **CE 462**: Construction Methods & Equipment (2 units)
MSCE CONSTRUCTION ENGINEERING & MANAGEMENT

PROGRAM REQUIREMENTS (28 UNITS)

Core Courses (12 Units)
- CE 501: Construction Practices (4 units)
- CE 502: Construction Accounting, Finance and Strategy (4 units)
- CE 569: Project Controls (4 units)

Major-Related Electives (16 Units)

SPRING DEN OPTIONS

Core Courses (12 Units)
- CE 569: Project Controls (4 units)

Electives
- CSCI 455x (4 units)
MSCE CONSTRUCTION
STRUCTURAL ENGINEERING

PROGRAM REQUIREMENTS
(28 UNITS)

Core Courses (8 Units)
- CE 529: Finite Element Analysis
- CE 541: Dynamics of Structures

Core Courses (12 Units)
- CE 541: Dynamics of Structures

Electives
- CE 537: Advanced Reinforced Concrete
- CE 546: Structural Mechanics

SPRING DEN OPTIONS
Classes Offered

- Dornsife College of Letters, Arts and Sciences
- Leventhal School of Accounting
- Architecture
- Roski School of Art and Design
- Arts, Technology and the Business of Innovation
- Bovard College
- Marshall School of Business
- Cinematic Arts
- Annenberg School for Communication and Journalism
- Schwarzenberg School of Foreign Affairs
# DEN VS ON CAMPUS

## SECTIONS

Sections that end in “D” require D-Clearance

<table>
<thead>
<tr>
<th>Section</th>
<th>Session</th>
<th>Type</th>
<th>Time</th>
<th>Days</th>
<th>Registered</th>
<th>Instructor</th>
<th>Location</th>
<th>Syllabus</th>
<th>Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>29781R</td>
<td>048</td>
<td>Lecture</td>
<td>12:00-3:20pm</td>
<td>Monday</td>
<td>12 of 30</td>
<td>Sami Masri</td>
<td>RTH 217</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29782D</td>
<td>034</td>
<td>Lecture</td>
<td>12:00-3:20pm</td>
<td>Monday</td>
<td>3 of 10</td>
<td>Sami Masri</td>
<td>DEN@Viterbi</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CE 541: Dynamics of Structures (4.0 units)**

Forced vibrations of discrete and distributed systems; energy methods; analytical dynamics; computational techniques; approximate methods; random vibration concepts; nonstationary response; structural control; nonlinear system response.

**Restriction:** Registration open to the following class level(s): Doctoral Student, Master Student

DEN@Viterbi = the DEN SECTION
# CE 541: Dynamics of Structures (4.0 units)

Forced vibrations of discrete and distributed systems; energy methods; random vibration concepts; nonstationary response; solution of differential equations.

**Restriction:** Registration open to the following class level(s):

<table>
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<tr>
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<td>048</td>
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<tr>
<td>29782D</td>
<td>034</td>
</tr>
</tbody>
</table>

## Session Dates (Session code 048)

- **First day of classes:** Monday, January 10, 2022
- **Last day to add:** Friday, January 28, 2022
- **Last day to drop without a mark of "W" and receive a refund:** Friday, January 28, 2022
- **Last day to withdraw without a “W” on transcript or change pass/no pass to letter grade:** Friday, February 25, 2022
- **Last day to drop with a mark of "W":** Friday, April 8, 2022
- **Last day of classes:** Friday, April 29, 2022
- **End of session:** Wednesday, May 11, 2022
How To Request D-clearance From DEN

All DEN courses require D-clearance.

1. Login to DEN Desire2Learn: [http://courses.uscden.net](http://courses.uscden.net)
2. Go to DEN@Viterbi Tools on the navigation bar
3. Select “Request D-clearance” link, select the term, and select a course
4. Approval process takes 1-2 business days. To view the status of a request, click on “Check D-Clearance Status”
5. You can register once your request has been processed. D-clearances expire 7 days from when it is issued so register as soon as you obtain it to secure a seat in a course.

For questions on D-Clearance status, contact [den@vase.usc.edu](mailto:den@vase.usc.edu)
ENROLLMENT HOLDS
Financial Holds

Unpaid balances can result in:
• financial hold that restricts registration
• late fees on your account.

Any Questions Related to Tuition
Should be Directed to Student Financial Services
Location: Jefferson Boulevard Parking Structure
Phone: 213-740-7471
Email: cashier@usc.edu

Other Holds

ADM 20
• Conditional Admission - check your admission letter
• Does not restrict enrollment
• Email Christine Hsieh @ the END of the fall semester (christine.hsieh@usc.edu) to lift hold once you have satisfied the conditions

ADM 40
• Verify your prior degree
• Does not restrict enrollment
• Verify your degree by visiting https://arr.usc.edu/services/degree-progress/verification.html

Advisors do not have access to financial information
ENOCHMENT DEADLINES

viterbigrad.usc.edu
&
classes.usc.edu
Classes Offered

- Dornsife College of Letters, Arts and Sciences
- Leventhal School of Accounting
- Architecture
- Roski School of Art and Design
- Arts, Technology and the Business of Innovation
- Bovard College
- Marshall School of Business
- Cinematic Arts
- Annenberg School for Communication and Journalism
- Kaufman School of Dance
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 7</td>
<td>Last day to register and pay without late fee</td>
</tr>
<tr>
<td>January 10</td>
<td>Spring semester classes begin</td>
</tr>
<tr>
<td><strong>January 28</strong></td>
<td>Last day to drop a class <em>without</em> a mark of &quot;W,&quot; except for Monday-only classes, &amp; receive a 100% refund</td>
</tr>
<tr>
<td>January 28</td>
<td>Last day to register and add classes</td>
</tr>
<tr>
<td>January 28</td>
<td>Last day to change enrollment option to Pass/No Pass or Audit</td>
</tr>
<tr>
<td>January 28</td>
<td>Last day to purchase or waive tuition refund insurance</td>
</tr>
<tr>
<td>January 28</td>
<td>Deadline for purchasing or showing proof of health insurance</td>
</tr>
<tr>
<td><strong>February 25</strong></td>
<td>Last day to drop a course w/o a mark of W on transcript</td>
</tr>
<tr>
<td><strong>April 8</strong></td>
<td>Last day to drop a class w a mark of a W</td>
</tr>
<tr>
<td>May 12</td>
<td>Spring semester classes end</td>
</tr>
<tr>
<td>May 4-11</td>
<td>Final Exams</td>
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</table>
ADVISEMENT

myviterbi.usc.edu
ASK QUESTIONS

CEE Student Services
VASE Advisors
Faculty Advisors
Christine Hsieh
Associate Director,
CEE Student Services
christine.hsieh@usc.edu
FACULTY ADVISORS

MSCE Structural
Dr. Gregg Brandow
brandow@usc.edu

MSCE Construction Engr & Mgmt
Master in Construction Mgmt
Professor Henry Koffman
koffman@usc.edu
## Contact Info

### VITERBI ADMISSION & STUDENT ENGAGEMENT (VASE)

**Location:** Olin Hall of Engineering (OHE), Rm. 106  
**Hours:** Mon. - Fri. 8:30 am - 5 pm (Pacific Time)  
**Phone:** (213) 740-4488  |  **Fax:** (213) 821-0851  
[https://viterbigrad.usc.edu/](https://viterbigrad.usc.edu/)

<table>
<thead>
<tr>
<th><strong>DEN@Viterbi Support</strong></th>
<th><strong>Contact Information</strong></th>
<th><strong>Staff</strong></th>
</tr>
</thead>
</table>
| Technical support, Desire2Learn training, Homework | [dentsc@usc.edu](mailto:dentsc@usc.edu)  
213-740-9356 | Bianca Richter  
Daniel Cueva |
| DEN d-clearance inquiries | [den@vase.usc.edu](mailto:den@vase.usc.edu) | |
| Exams | [denexam@usc.edu](mailto:denexam@usc.edu)  
213-740-9356 | Shirley Schutt |
| VASE Advisor • General advisement  
• Policies & Procedures | [ptrinida@usc.edu](mailto:ptrinida@usc.edu)  
213-740-0116 | Patty Rinehart |
**From Us**

During peak times (first 3 weeks of the semester)

• Virtual “Drop-In” Advisement

**What We Expect From You**

• Check your email every day

• **Include your USC ID, Degree Program & full name in all emails sent to your advisor**

• Only email using your usc.edu email address

• When our communication requires a response, please reply within 3 business days
RESOURCES
Campus Support & Intervention
• campussupport.usc.edu/students/

Academic Support
• USC Kortschak Center For Learning & Creativity (KCLC)
  kortschakcenter.usc.edu

On Demand Workshops
• Time Mgmt & Organization
• Reading tips
• Test Taking Tips
• Self-Care Tips
• Note Taking Tips…and more
GET CONNECTED

Student Organizations

[Link: cee.usc.edu/current-students/student-organizations]

Jobs and Internships

Viterbi Career Connections

[Link: viterbicareers.usc.edu/students]

Department Events
REVIEW YOUR REQUIREMENTS

ONLY ENROLL IN CLASSES ON THE PROGRAM PAGE
During week 4 of the semester, we’re available for course planning and other questions. Make an appointment via myViterbi.

- Academic Integrity Introduction
- Advisement Appointment System
- D-Clearance and Pre-Requisite Waiver Request Manager
- Directed Research
- Grader Application
- Instructional Software Distribution
- ITP Specialization Certificate Order Form
- Learning Environment Services Manager
- Placement Exam Registration (EE)
- Progressive Degree Program
- VARC Tutoring Appointment Manager

Appointments Will Be Set Up Via Zoom
STAY INFORMED

• we-are.usc.edu/students/

• Viterbi Covid-19 Response
  https://viterbischool.usc.edu/covid-19-response/