Sonny Astani Department of Civil and Environmental Engineering
DEN@Viterbi Orientation

CEE Graduate Program Advisor, Alexis Matthews, Ed.D.
AGENDA

• Welcome to DEN@Viterbi & USC
• Important Dates & Deadlines
• Degree Requirements
• CEE Dept. Policies, Procedures, Tips
• Advisement: DEN D-clearance
• DEN Contact Information
Lost City: A Dive into the World of Oceanography

USC Visions and Voices concert initiated by a civil and environmental engineering professor dives deep into the wonders and tribulations of the ocean through music.

Read More
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Oct. 23-Jan. 5</td>
<td>Registration for continuing students</td>
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<tr>
<td>Nov. 16-Jan. 5</td>
<td>Registration for returning students and continuing students</td>
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<tr>
<td>Jan. 4-5</td>
<td>Registration for spring semester continues</td>
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<tr>
<td>Jan. 5</td>
<td>Last day to register and settle without late fee</td>
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<tr>
<td>Jan. 8</td>
<td>Spring semester classes begin for Session 001</td>
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<td>Jan. 8-12</td>
<td>Late registration and change of program for Session 001</td>
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<tr>
<td>Jan. 15</td>
<td>Martin Luther King Day, university holiday</td>
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<td>Jan. 26</td>
<td>Deadline for purchasing or showing proof of health insurance</td>
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<tr>
<td>Jan. 26</td>
<td>Last day to register and add classes for Session 001</td>
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<tr>
<td>Jan. 26</td>
<td>Last day to drop a class without a mark of “W,” except for Monday-</td>
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<td>only classes, and receive a refund for Session 001</td>
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<td>Jan. 26</td>
<td>Last day to change enrollment option to Pass/No Pass or Audit for</td>
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<td>Session 001</td>
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<tr>
<td>Jan. 26</td>
<td>Last day to purchase or waive tuition refund insurance</td>
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<td>Jan. 30</td>
<td>Last day to drop a Monday-only class without a mark of “W” and</td>
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<td>receive a refund or change to Pass/No Pass or Audit for Session 001</td>
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<td>Date</td>
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<tr>
<td>Feb. 19</td>
<td>Presidents’ Day, university holiday</td>
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<td>Feb. 23</td>
<td>Last day to drop a course without a mark of “W” on the transcript</td>
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<td>*Please drop any course by the end of week three (or the week three</td>
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<td>equivalent for short sessions) to avoid tuition charges.</td>
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<td>Feb. 23</td>
<td>Last day to change a Pass/No Pass course to letter grade</td>
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<td>March 11-18</td>
<td>Spring recess</td>
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<td>March 30</td>
<td>Thesis/Dissertation Manuscript submission deadline</td>
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<td>April 6</td>
<td>Last day to drop a class with a mark of “W” for Session 001</td>
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<td>April 27</td>
<td>Spring semester classes end</td>
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<td>April 28-May 1</td>
<td>Study days</td>
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<td>May 2-9</td>
<td>Final examinations</td>
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<td>May 10</td>
<td>Spring semester ends</td>
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<td>May 11</td>
<td>Commencement</td>
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CEE Masters Programs
Helpful Information

- Typical program length – 3 semesters (Fall/Spring/Fall)
- Recommended course load – 3 classes per semester (9 units)
- Minimum units for full-time status – 8 units
- 2/3 of your program *must* be taken at the 500 level or higher
- Transfer of previous graduate credit – 4 units maximum
- A minimum GPA of 3.0 (overall and cumulative) are required to graduate
- Masters to PhD – our CEE masters students are welcome to apply for the PhD program!
  - *Masters-level coursework can be used for credit toward your PhD program – pending faculty/institution approval*
8 CEE Master Programs

MSCE – Master of Science in Civil Engineering:
  General (27 units)
  Construction Engineering and Management (27 units)
  Structural Engineering (27 units)
  Transportation Engineering (27 units)
Sustainable Infrastructure Systems:
  Transportation Systems (27 units)
  Water and Waste Management (27 units)

MSENE – Master of Science in Environmental Engineering (27 units)

MCM – Master of Construction Management (33 units)
MSCE – General (27 units)

Faculty Advisor, Dr. J.J. Lee

Required Courses:
18 units from the following specialty areas:
- Environmental Engineering and Water Resources
- Construction and Transportation
- Structural Engineering
- Geotechnical Engineering

*Requirements subject to change
MSCE – Structural Engineering (27 units)

Faculty Advisor, Dr. Gregg Brandow

Required Courses:
- CE 507 Mechanics of Solids
- CE 529a Finite Element Analysis
- CE 541a Dynamics of Structures
- CE 525b Engineering Analysis
  One from:
  - CE537 Advanced Reinforced Concrete, or CE 539 Advanced Steel Structures

*Requirements subject to change – PhD focus or industry focus
MSCE – Construction Engineering and Management (27 units)

Faculty Advisor, Professor Henry Koffman

Required Courses:
- CE 501 Functions of the Constructor
- CE 502 Construction Accounting and Finance
- CE 556 Project Controls – Budgeting & Estimating
- CE 566 Project Controls – Planning & Scheduling

One from:
- CE 469 Sustainability, CE 470 Building Information Modeling and Integrated Practice, or CE 462 Construction Methods and Equipment

One from:
- CE 506 Heavy Construction Estimating, or CE 557 Advanced Building Estimating

*Requirements subject to change
MCM – Master of Construction Management (33 units)

Faculty Advisor, Professor Henry Koffman

Required Courses:
- CE 501 Functions of the Constructor
- ARCH 511L Seminar: Building Systems
- CE 502 Construction Accounting & Finance (or ACCT 509 Concepts of Financial and Management Accounting, or ISE 566 Financial Accounting Analysis for Engineers)
- CE 556 Project Controls – Budgeting & Estimating
- CE 566 Project Controls – Planning and Scheduling

Track Requirements:
- Two courses from the following tracks:
  - Finance, Real Estate Development, or Architecture, Engineering and Construction

*Requirements subject to change
MSCE – Transportation Engineering (27 units)

Faculty Advisor, Dr. James Moore

Required Courses:
- CE 552 Managing & Financing Public Engineering Works
- CE 589 Port Engineering & Operations
- CE 579 Introduction to Transportation Planning Law

One from:
- CE 585 Traffic Engineering and Control, or CE 583 Design of Transportation Facilities

*Requirements subject to change
MSCE – Transportation Systems (27 units)

Faculty Advisor, Dr. James Moore

Required Courses:

- CE 471 Principles of Transportation Engineering
- CE 501 Functions of the Constructor
- CE 515 Sustainable Infrastructure Systems
- CE 579 Introduction to Transportation Planning Law
- PPD 633 Urban Transportation Planning and Management

*Requirements subject to change*
MSCE – Water & Waste Management (27 units)

Faculty Advisor, Dr. J.J. Lee

Required Courses:
- CE 451 Water Resources Engineering
- CE 453 Water Quality Control
- CE 476 Design of Pressurized Hydraulic Systems
- CE 501 Functions of the Constructor
- CE 515 Sustainable Infrastructures Systems

Electives (other electives with approval):
- CE 516 Geohydrology
- CE 520a Ocean and Coastal Engineering
- CE 510 Groundwater Management

*Requirements subject to change
MS Environmental Engineering (27 units)

Faculty Advisor, Dr. Amy Childress

Required Courses:
- ENE 512 Environmental Fluid Mechanics
- ENE 505 Energy and the Environment
- CE 599 Data Management

Air Track:
- ENE 426
- ENE 527
- ENE 535

Water Track:
- CE 599 (562)
- CE 523
- CE 553

*Requirements subject to change
CEE Dept. Policies, Procedures, Tips

- Transfer Credit – possible to transfer in up to 4 units
- Changing Majors – 2nd semester
- Pre-req waivers for CEE classes
- Refer to the USC Schedule of Classes for planning purposes [http://web-app.usc.edu/soc/](http://web-app.usc.edu/soc/) or classes.usc.edu
- Check your USC email regularly! Forward to Gmail account
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 business day. 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 masters@gapp.usc.edu
## OFFICE OF GRADUATE AND PROFESSIONAL PROGRAMS

**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>DEN@Viterbi Support</th>
<th>Contact Information</th>
<th>Staff</th>
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<tbody>
<tr>
<td>Technical support, Desire2Learn training, Homework</td>
<td><a href="mailto:dentsc@usc.edu">dentsc@usc.edu</a></td>
<td>Rebecca Lee</td>
</tr>
<tr>
<td></td>
<td>213-740-9356</td>
<td>Bianca Richter</td>
</tr>
<tr>
<td>Exams</td>
<td><a href="mailto:denexam@usc.edu">denexam@usc.edu</a></td>
<td>Shirley Schutt (exams)</td>
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<tr>
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<td>213-740-9356</td>
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<tr>
<td>GAPP Advisor for registration, d-clearance, policies and procedures</td>
<td><a href="mailto:ptrinida@usc.edu">ptrinida@usc.edu</a></td>
<td>Patty Rinehart</td>
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<tr>
<td></td>
<td>213-740-0116</td>
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<tr>
<td>Tuition Deferment or Vouchers</td>
<td><a href="mailto:susannas@usc.edu">susannas@usc.edu</a></td>
<td>Susanna Sahakian</td>
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<td></td>
<td>213-740-8198</td>
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QUESTIONS?
My Email:
akmatthe@usc.edu
THANK YOU!

HAVE A GREAT SPRING SEMESTER!
FIGHT ON!

A recording of this online orientation and presentation will be available for viewing and download on the GAPP website at https://viterbigrad.usc.edu/academic-services/new-student-information/