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

CEE Graduate Program Advisor, Alexis Matthews
AGENDA

- Welcome to DEN@Viterbi & USC
- Important Dates & Deadlines
- Degree Requirements
- CEE Dept. Policies, Procedures, Tips
- Advisement: DEN D-clearance
- DEN Contact Information
Welcome from the Department Chair

Welcome to the Sonny Astani Department of Civil and Environmental Engineering website. This site's main objective is to provide you an overview of the educational and research opportunities within our department.

Read More...

Learn More About Environmental Engineering

Faculty Search

CEE Newsletters:

Fall 2015

Previous Issues

Quick Links:

Academic Advising

Conference Room Request Form

Contact Us

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**Environmental Engineering**

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Los Angeles, CA 90089-2531

**Contact**
Tel: (213) 740-9587
Fax: (213) 744-1426
Email: ceedept@usc.edu

**Direction**
Google Maps

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**EVENTS**

- Sonny Astani Department Calendar

**NEWS**

- Dr. Sani Masri Receives an Award from JPL
- Dr. George Bar-Weiss Receives Two Awards from Lawrence Berkeley Laboratory
- Najmedin Meshkati Receives 2015 Arnold M. Small President’s Distinguished Service Award
- Najmedin Meshkati receives Award from CREATE

**ANNOUNCEMENTS**

**@ASTANI**

DeanYortosco
RT @panyanuki: @DeanYortosco
#looklikeengineer changing image of women engineer students globally. As is Massey program. 12006 via Twitter

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**FEATURED RESEARCH ASSISTANT** for December 2015: Farimah Shirmohammadi
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Oct. 24-Jan. 6</td>
<td>Registration for continuing students</td>
</tr>
<tr>
<td>Nov. 17-Jan. 6</td>
<td>Registration for returning students and continuing students</td>
</tr>
<tr>
<td>Jan. 5-6</td>
<td>Registration for spring semester continues</td>
</tr>
<tr>
<td>Jan. 6</td>
<td>Last day to register and settle without late fee</td>
</tr>
<tr>
<td>Jan. 9</td>
<td>Spring semester classes begin for Session 001</td>
</tr>
<tr>
<td>Jan. 9-13</td>
<td>Late registration and change of program for Session 001</td>
</tr>
<tr>
<td>Jan. 16</td>
<td>Martin Luther King Day, university holiday</td>
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<tr>
<td>Jan. 27</td>
<td>Deadline for purchasing or showing proof of health insurance</td>
</tr>
<tr>
<td>Jan. 27</td>
<td>Last day to register and add classes for Session 001</td>
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<tr>
<td>Jan. 27</td>
<td>Last day to drop a class without a mark of “W,” except for Monday-only classes, and receive a refund for Session 001</td>
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<tr>
<td>Jan. 27</td>
<td>Last day to change enrollment option to Pass/No Pass or Audit for Session 001</td>
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<tr>
<td>Jan. 27</td>
<td>Last day to purchase or waive tuition refund insurance for Session 001</td>
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<tr>
<td>Date</td>
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<tr>
<td>Jan. 31</td>
<td>Last day to drop a Monday-only class without a mark of “W” and receive a refund or change to Pass/No Pass or Audit for Session 001</td>
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<tr>
<td>Feb. 20</td>
<td>Presidents’ Day, university holiday</td>
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<tr>
<td>Feb. 24</td>
<td>Last day to drop a course without a mark of “W” on the transcript *Please drop any course by the end of week three (or the week three equivalent for short sessions) to avoid tuition charges.</td>
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<tr>
<td>Feb. 24</td>
<td>Last day to change a Pass/No Pass course to letter grade</td>
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<td>March 12-19</td>
<td>Spring recess</td>
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<td>March 31</td>
<td>Thesis/Dissertation Manuscript submission deadline</td>
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<td>April 7</td>
<td>Last day to drop a class with a mark of “W” for Session 001</td>
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<tr>
<td>April 28</td>
<td>Spring semester classes end</td>
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<td>April 29-May 2</td>
<td>Study days</td>
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<td>May 3-10</td>
<td>Final examinations</td>
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<tr>
<td>May 11</td>
<td>Spring semester ends</td>
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<tr>
<td>May 12</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

http://cee.usc.edu/admission/master-programs/msce-general.htm
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:
- **CE 537** Advanced Reinforced Concrete, or **CE 539** Advanced Steel Structures

*Requirements subject to change – PhD focus or industry focus*

http://cee.usc.edu/admission/master-programs/msce-structural-engineering.htm
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
http://cee.usc.edu/admission/master-programs/msce-construction-eng-and-management.htm
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
http://cee.usc.edu/admission/master-programs/mcm.htm
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

http://cee.usc.edu/admission/master-programs/msce-transportation-engineering.htm
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

http://cee.usc.edu/admission/master-programs/msce-transportation-systems.htm
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

http://cee.usc.edu/admission/master-programs/msce-water-and-waste-management.htm
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

http://cee.usc.edu/admission/master-programs/msene-environmental-engineering.htm
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
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
## DEN@Viterbi Contacts

### Office of Graduate and Professional Programs

<table>
<thead>
<tr>
<th>DEN@Viterbi Support</th>
<th>Contact Information</th>
<th>Staff</th>
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<tbody>
<tr>
<td><strong>Technical Support:</strong></td>
<td></td>
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</tr>
<tr>
<td>Desire2Learn Training</td>
<td><a href="mailto:dentsc@usc.edu">dentsc@usc.edu</a></td>
<td>Bianca Richter</td>
</tr>
<tr>
<td>Homework</td>
<td>213-740-9356</td>
<td>Rebecca Lee</td>
</tr>
<tr>
<td>Exams</td>
<td><a href="mailto:denexam@usc.edu">denexam@usc.edu</a></td>
<td>Shirley Schutt</td>
</tr>
<tr>
<td></td>
<td>213-740-9356</td>
<td></td>
</tr>
<tr>
<td><strong>GAPP Advisor:</strong></td>
<td></td>
<td>Patty Rinehart</td>
</tr>
<tr>
<td>Registration, D-Clearance</td>
<td><a href="mailto:ptrinida@usc.edu">ptrinida@usc.edu</a></td>
<td></td>
</tr>
<tr>
<td>Policies and procedures</td>
<td>213-740-0116</td>
<td></td>
</tr>
<tr>
<td><strong>Tuition Deferment or Vouchers</strong></td>
<td><a href="mailto:susannas@usc.edu">susannas@usc.edu</a></td>
<td>Susanna Sahakian</td>
</tr>
<tr>
<td></td>
<td>213-740-8198</td>
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QUESTIONS?
My Email:
alexis.matthews@usc.edu