Spring 2017
DEN@Viterbi
AME ORIENTATION
Academic Info

Melissa Medeiros, AME Graduate Student Advisor
AGENDA

• Welcome to USC & DEN@Viterbi
• Important Dates & Deadlines
• Degree Requirements
• AME Dept. Policies, Procedures, & Tips
• Advisement: DEN D-clearance
• Desire2Learn Login & Training
• DEN Contact Information
• Q & A
Welcome to USC & DEN@Viterbi!

Melissa Medeiros, AME Graduate Student Advisor

Contact info:
Phone 213-821-3105
Email mmedeiro@usc.edu
Office RRB 101
Skype Melissa.Medeiros_AME

- Advise MS students
  - Appointments:
    Monday – Friday (9 am – 12 pm PCT)
    Monday – Friday (2 pm – 4 pm PCT)

- Email works, sometimes phone calls are better
- If in LA, stop by to say hello!
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tr>
<td>Jan. 6</td>
<td>Last day to register and pay without late fee</td>
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<td>Jan. 9</td>
<td>Spring semester classes begin</td>
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<tr>
<td>Jan. 9-13</td>
<td>Late registration and change of program</td>
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<td>Jan. 16</td>
<td>Martin Luther King, University Holiday</td>
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<td>Jan. 27</td>
<td>Last day to drop a class without a mark of &quot;W,&quot; except for Monday-only classes, and receive a 100% refund</td>
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<td>Jan. 27</td>
<td>Deadline for purchasing or showing proof of health insurance</td>
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<tr>
<td>Jan. 27</td>
<td>Last day to register and add classes</td>
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<td>Jan. 27</td>
<td>Last day to change enrollment option to Pass/No Pass or Audit</td>
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<tr>
<td>Jan. 27</td>
<td>Last day to purchase or waive tuition refund insurance</td>
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UNIVERSITY CALENDAR – SPRING 2017 cont.

Jan. 31  Last day to drop a Monday-only class without a mark of “W” and receive a 100% refund or change to Pass/No Pass or audit

Feb. 20  President’s Day, University Holiday

Feb. 24  Last day to drop a course without a mark of “W” on transcript

Mar. 12-19  Spring Recess

April 7  Last day to drop a class with a mark of “W”

April 28  Spring semester classes end

May 3-10  Final examinations

May 12  Commencement

May 17  Summer 2017 classes begin
PROGRAM REVIEW

- Master of Science in Aerospace Engineering (MSAE)
- Master of Science in Mechanical Engineering (MSME)
- Master of Science in Mechanical Engineering – Energy Conversion (MSMEEC)
- Master of Science in AME – Dynamics and Control (MSAMDC)
- Master of Science in AME – Computational Fluid and Solid Mechanics (MSAMFS)
- Master of Science in Product Development Engineering – Technology Track (MSPDE)
- Dual Degree of Master of Science in Aerospace Engineering/M.S. Engineering Management (MSAEMT) & Dual Degree of Master of Science in Mechanical Engineering/M.S. Engineering Management (MSMEMT)
Master of Science in Aerospace Engineering (MSAE)

Requirements for Graduation Without Thesis, 27 units total with 3.0 GPA overall: AME 525 and AME 526 (6 units); 400 or 500 level courses in major department (12 units); approved 400 or 500 level elective courses (9 units).
- no more than 3 classes from outside AME
- no more than 3 classes (9 units) at 400 level

Complete list of recommended classes by specialization are here:
http://gapp.usc.edu/graduate-programs/masters/aerospace-and-mechanical-engineering/aerospace-and-mechanical-engineering
MSAE cont’d

Spring 2017 class offerings by specialization area:

Aerospace Control
AME 451 – pre-req of MATH 245
AME 532a – rec. prep of AME 459

Aerospace Design
AME 527

*can also consider classes rec. for MSME design specialization

Aerospace Structures
AME 509 – pre-req of AME 403
AME 529
AME 560

*can also consider other electives from CE and MASC dept.
MSAE cont’d

Spring 2017 class offerings by specialization area:

Computational Fluid Dynamics
AME 457 – pre-req of AME 310
AME 511

Aerodynamics/Fluid Dynamics
AME 457 – pre-req of AME 310
AME 511

Propulsion
AME 436 – pre-req of AME 310 and CE 309 or AME 309
AME 457 – pre-req of AME 310
AME 511

*for these three areas, can also consider classes from each specialization
Master of Science in Mechanical Engineering (MSME)

Requirements for Graduation Without Thesis, 27 units total with 3.0 GPA overall: AME 525 and AME 526 (6 units); 400 or 500 level courses in major department (12 units); approved 400 or 500 level elective courses (9 units).
- no more than 3 classes from outside AME
- no more than 3 classes (9 units) at 400 level

Complete list of recommended classes by specialization are here:
http://gapp.usc.edu/graduate-programs/masters/aerospace-and-mechanical-engineering/mechanical-engineering
MSME cont’d

Spring 2017 class offerings by specialization area:

Thermal and Fluid Sciences
- AME 436 – pre-req of AME 310 and CE 309 or AME 309
- AME 457 – pre-req of AME 310
- AME 511
- AME 514 – rec. prep of AME 513

Dynamics and Control
- AME 420 – pre-req of MATH 245
- AME 451 – pre-req of MATH 245
- AME 532a – rec. prep of AME 459
- EE 543a – pre-req of EE 482 =AME 451
MSME cont’d

Spring 2017 class offerings by specialization area:

Mechanics and Materials

AME 509 – pre-req of AME 403
AME 560
MASC 551 – rec. prep of MASC 310

Design

AME 451 – pre-req of MATH 245
AME 503
AME 505

AME 509 – pre-req of AME 403
AME 527
SAE 549

Energy

AME 436 – pre-req of AME 310
AME 577

ASTE 584

*Often students focusing in Design or Mechanics and Materials may wish to also consider classes offered by the CE and/or MASC depts.
Master of Science in Mechanical Engineering – Energy Conversion (MSMEEC)

Requirements for Graduation Without Thesis, 27 units with 3.0 GPA overall: Required coursework (21 units); approved Energy Conversion Electives (6 units).

Spring 2017 class offerings:

AME 525 and AME 526
AME 514 – rec. prep of AME 513
AME 577
CE 501

*May also consider taking classes from the Sustainable Infrastructure Systems majors:
http://catalogue.usc.edu/schools/engineering/sis/

Complete list of required classes:
http://gapp.usc.edu/graduate-programs/masters/aerospace-and-mechanical-engineering/mechanical-energy-conversion
Master of Science in AME – Dynamics and Control (MSAMDC)

Requirements for Graduation Without Thesis, 27 units total with 3.0 GPA overall: AME 525 and AME 526 (6 units); required coursework in major department (15 units); approved 400 or 500 level elective courses (6 units).

Spring 2017 class offerings:

AME 525 or 526
AME 420 – pre-req of MATH 245
AME 451 – pre-req of MATH 245

AME 532a – rec. prep of AME 459
EE 543a – pre-req of EE 482 =AME 451

Complete list of required classes:

http://gapp.usc.edu/graduate-programs/masters/aerospace-and-mechanical-engineering/ame-dynamics-and-control
**Master of Science in AME – Computational Fluid and Solid Mechanics (MSAMFS)**

**Requirements for Graduation Without Thesis**, 27 units total with 3.0 GPA overall: AME 525 and AME 526 (6 units); required core courses (15 units); required elective from Computational Technical electives (3 units); required elective from Technical Electives (3 units).

Spring 2017 class offerings:

AME 525 or 526
AME 509 – pre-req of AME 403
AME 511

Complete list of required and elective classes:

http://gapp.usc.edu/graduate-programs/masters/aerospace-and-mechanical-engineering/aerospace-engineering/ame
Master of Science in Product Development Engineering – Technology Track (MSPDE)

Requirements for Graduation Without Thesis, 27 units total with 3.0 GPA overall: AME 503 and ISE 545 (6 units); required Technology Track courses (6 units); required Technology Technical Electives (6 units); approved 400 or 500 level elective courses from AME, ISE, or SAE (9 units)

Spring 2017 class offerings:

- AME 525 or 526 (only one is required)
- AME 503
- AME 505
- AME 527
- ASTE 523
- SAE 549

*can also consider any ISE course listed for MSPDE Systems track

Complete list of required and elective classes:

http://gapp.usc.edu/graduate-programs/masters/aerospace-and-mechanical-engineering/product-development
Dual Degree: M.S. in Aerospace & M.S. Engineering Management (MSAEMT) & M.S. in Mechanical Engineering and M.S. Engineering Management (MSMEMT)

Requirements for Graduation Without Thesis, 48 units with 3.0 GPA overall: Approved graduate level coursework in AME (18 units); approved graduate level coursework in ISE (18 units); approved 400 or 500 level elective course work in AME or ISE (12 units).

Spring 2017 class offerings:

AME 525 and AME 526
ISE 525
ISE 500
ISE 527
ISE 514
ISE 544
ISE 515

Complete list of required classes:

http://gapp.usc.edu/graduate-programs/masters/aerospace-and-mechanical-engineering/dual-degree-MSME-MSEMT
http://gapp.usc.edu/graduate-programs/masters/aerospace-and-mechanical-engineering/dual-degree-MSAE-MSEMT
AME Dept. Policies, Procedures, & Tips

• Research as a DEN Student (Thesis and/or Directed Research)

• Transfer Credit – possible to transfer in up to 6 units
  [http://gapp.usc.edu/files/u31/Graduate%20Transfer%20Credit.pdf](http://gapp.usc.edu/files/u31/Graduate%20Transfer%20Credit.pdf)

• Changing Majors – must wait until after 1st semester completed

• All coursework must be from Viterbi School of Engineering to count towards degree

• If this is your first semester, strongly rec. only taking 1 class

• AME 525 and 526 are offered every semester, including summer term – note that in summer it is offered in a fast-paced 6 week format. *Do not recommend that you take both in same semester.*
AME Dept. Policies, Procedures, & Tips cont’d

• Pre-req waivers for AME classes – contact me directly

• Refer to the USC Schedule of Classes for planning purposes
  http://classes.usc.edu/

• Refer to AME Graduate Advising Worksheets for required and/or recommended courses by major and specialization:
  http://ame-www.usc.edu/students/grad/

• Check and **READ** your USC email regularly! Forward to Gmail account

• Cross-listed classes treated as AME courses, not outside the dept. Examples: SAE 549, EE 543a and MASC 561

• Linear Algebra tutorials and other helpful workshops:
  http://gapp.usc.edu/students/current/student-resources/workshops-tutorials
HOW TO REQUEST D-CLEARANCE FROM DEN

All DEN courses require D-clearance.

1. Login to DEN Desire2Learn: http://courses.uscden.net
2. Select DEN@Viterbi Tools
3. Select Request D-Clearance and submit required information based on course chosen
4. Approval process takes 1-3 business days. To check status of D-Clearance go to DEN@Viterbi Tools> 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 ptrinida@usc.edu
1. Bookmark [https://courses.uscden.net](https://courses.uscden.net)
2. Your D2L username is your full USC Email Address
3. If you do not remember your D2L password, click “Forgot your password?”

Sign up for an exclusive one-on-one training session inside a virtual classroom to learn all about Desire2Learn:
[http://gapp.usc.edu/graduate-programs/den/technical-support/training-options](http://gapp.usc.edu/graduate-programs/den/technical-support/training-options)
## DEN@Viterbi Contacts

Office of Graduate and Professional Programs (GAPP) – [www.gapp.usc.edu](http://www.gapp.usc.edu)

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

http://gapp.usc.edu/students/orientation#den