



DEN@Viterbi ORIENTATION

Aerospace and Mechanical Engineering

Academic Info

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Agenda

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



Welcome to DEN@Viterbi and USC!

AME Advising

Ken Eng

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PhD advising

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Undergraduate advising

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UNIVERSITY CALENDAR – SPRING 2018

- Nov 17 Registration for new, domestic students
- Jan 5 Last day to register and pay without late fee
- Jan 8 Spring semester classes begin
- Jan 8-26 Late registration and change of program
- Jan 15 Martin Luther King Day, University Holiday
- Jan 26 Deadline to purchase or show proof of health insurance
- Jan 26 Last day to drop a class without a mark of "W," except for Monday-only classes, and receive a 100% refund
- Jan 26 Last day to register and add classes
- Jan 26 Last day to change enrollment option to Pass/No Pass or Audit
- Jan 26 Last day to purchase or waive tuition refund insurance



UNIVERSITY CALENDAR – SPRING 2018 (continued)

Jan 30	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 19	Presidents’ Day, University Holiday
Feb 23	Last day to drop a course without a mark of “W” (no refund)
Feb 23	Last day to change a Pass/No Pass to letter grade
Mar 11-18	Spring recess
April 6	Last day to drop a class with a mark of “W”
April 27	Spring semester classes end
May 2 - 9	Final examinations



Program Review

- Master of Science in Mechanical Engineering (MSME)
- Master of Science in Aerospace Engineering (MSAE)

- 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 Degrees
 - MS in Mechanical Engineering/MS Engineering Management (MSMEMT)
 - MS in Aerospace Engineering/MS Engineering Management (MSAEMT)



Master of Science in Mechanical Engineering (MSME) 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)
- 12 units of 500-level courses in AME
 - Cross-listed courses count as AME
- 9 units of approved 400- or 500- level elective courses
 - no more than three classes from outside AME
 - no more than three classes (9 units) at 400-level

List of recommended classes by areas of interest are here:

<https://ame.usc.edu/academics/master-science-mechanical-engineering/>

<https://ame.usc.edu/academics/master-science-aerospace-engineering/>



Master of Science in Mechanical Engineering (MSME)

Spring 2018 Courses by specialization

Thermal and Fluid Sciences

- AME 511
- AME 514 – rec prep AME 513
- AME 516 – rec prep AME 331 and AME 526
- AME 436 (ELECTIVE) – prereq AME 310 and (CE 309 or AME 309)

Dynamics and Controls

- AME 544 – prereq AME 451
- EE 543a – prereq EE 482 ↔
- AME 420 (ELECTIVE) – prereq MATH 245
- AME 451 (ELECTIVE) – prereq MATH 245 and AME 302



Master of Science in Mechanical Engineering (MSME)

Spring 2018 Courses by specialization

Design

- AME 503
- AME 505
- AME 451 (ELECTIVE) – prereq MATH 245 and AME 302

Mechanics and Materials

- MASC 551 ↔
- MASC 560 ↔

Energy

- AME 514 – rec prep AME 513
- AME 577



Master of Science in Aerospace Engineering (MSAE)

Spring 2018 Courses by specialization

Aerospace Control

- AME 532a – rec prep AME 459
- AME 544
- AME 545
- AME 451 (ELECTIVE) – prereq MATH 245 and AME 302

Aerospace Design

- AME 527 – CANCELLED, but will be offered Fall 2018
- AME 408 (ELECTIVE) – AME 204 or CE 225, formal class in SolidWorks, SolidEdge, or Unigraphics



Master of Science in Aerospace Engineering (MSAE)

Spring 2018 Courses by specialization

Aerospace Structures

- AME 529
- MASC 560 ↔
- AME 403 (ELECTIVE) – prereq AME 204
- AME 420 (ELECTIVE) – prereq MATH 245



Master of Science in Aerospace Engineering (MSAE)

Spring 2018 Courses by specialization

Computational Fluid Dynamics

- AME 511

Aerodynamics/Fluid Dynamics

- AME 511
- AME 516 – prereq AME 457

Propulsion

- AME 511
- AME 514 – rec prep AME 513
- AME 436 (ELECTIVE) – prereq AME 310 and (CE 309 or AME 309)



Master of Science in Mechanical Engineering – Energy Conversation (MSMEEC)

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)
- Approved Energy Conversion electives (6 units)

Spring 2018 Courses

- AME 525
- AME 526
- AME 577
- CE 501
- AME 514 (ELECTIVE)

Complete list of required courses can be found at:

<https://ame.usc.edu/academics/>



Master of Science in Aerospace and Mechanical Engineering – 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 core courses (15 units)
- Approved 400- or 500- level elective courses (6 units)

Spring 2018 Courses

- AME 420 (ELECTIVE) – prereq MATH 245
- AME 451 (ELECTIVE) – prereq MATH 245 and AME 302
- AME 544 (ELECTIVE) – prereq AME 451
- EE 543a (ELECTIVE) – prereq EE 482
- EE 553 (ELECTIVE) – prereq EE 441
- EE 587 (ELECTIVE) – prereq EE 482 and EE 585

Complete list of required courses can be found at:

<https://ame.usc.edu/academics/>



Master of Science in Aerospace and Mechanical Engineering – 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 computational technical elective (3 units)
- Required technical elective (3 units)

Spring 2018 Courses

- AME 525
- AME 526
- AME 511 (ELECTIVE)
- AME 516 (ELECTIVE) – rec prep AME 331 and AME 526

Complete list of required courses can be found at:

<https://ame.usc.edu/academics/>



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 Elective courses (6 units)
- Approved 400- or 500-level electives (9 units)

Spring 2018 Courses

- AME 503 – *FULL, BUT PLANNED TO BE OFFERED IN FALL 2018*
- AME 505 – TECHNOLOGY TRACK
- AME 525/526 (only one is required) – TECHNOLOGY TRACK
- AME 481 – TECHNOLOGY TECHNICAL ELECTIVE
- AME 544 – TECHNOLOGY TECHNICAL ELECTIVE
- ISE 576 - TECHNOLOGY TECHNICAL ELECTIVE
- SAE 549 – TECHNOLOGY TECHNICAL ELECTIVE

Complete list of required courses can be found at: <https://ame.usc.edu/academics/>



DUAL DEGREE:

MS Mechanical Engineering & MS Engineering Management

MS Aerospace Engineering & MS Engineering Management

Requirements for Graduation Without Thesis, 48 units total with 3.0 GPA overall:

- AME 525 and AME 526 (6 units)
- ISE 500 and ISE 561 (6 units)
- Approved AME graduate-level course work (12 units)
- Approved ISE graduate-level course work (12 units)
- Approved 400- or 500-level elective course work approved by AME/ISE (12 units)
- No more than 15 units at 400-level may be taken as degree credit

Spring 2018 Courses

- AME 525 and AME 526
- ISE 500

Complete list of required courses can be found at: <https://ame.usc.edu/academics/>



AME Department Policies, Procedures & Tips

- Consider only taking one course in your first semester
- Department Worksheets
 - ame.usc.edu - Current Students - Graduate Student Resources
- Check and READ your USC email regularly!
 - Always include your USC ID number!
- Change of Majors
 - Must wait until after you complete your first semester.
- AME 525 and AME 526
 - Do not recommend taking both in the same semester.
 - Offered every semester
 - Summer offered as fast-paced six-week sessions



AME Department Policies, Procedures & Tips

- Refer to the Schedule of Classes for planning purposes
 - <http://classes.usc.edu>
- Cross-listed courses
 - Count as AME courses, not outside the department
- Prerequisite Waivers
 - Email amegrad@usc.edu for AME courses
- Transfer Credit - up to 6 units
 - <https://arr.usc.edu/services/degree-progress/graduate-transfer-credit.html>
- Research as DEN student
- Linear Algebra Tutorial
 - <https://viterbigrad.usc.edu/workshops-tutorials/>



DESIRE2LEARN LOGIN & TRAINING

<https://courses.uscden.net/d2l/login>

USC Viterbi
School of Engineering

USC Viterbi School of Engineering – DEN@Viterbi

Log in to view your courses offered through DEN@Viterbi, explore tools and features, and customize your eLearning experience for programs and courses supported by DEN@Viterbi. Students must be registered and approved to view select courses. If you are having problems logging on, please try the forgot password link.

If you have problems logging on or seeing your courses, please contact DEN@Viterbi Technical Support Center office at dentsc@usc.edu or 213-740-9356.

DEN@Viterbi Students: First Time Logging in?

You must [create a profile](#) first before you can log in.

On-campus students don't need to create a profile as it is generated automatically.

Note: DEN Blackboard users logging into DEN Desire2Learn for the first time should use the “forgot your password” link below to set your password before trying to log-in.

Username *

Password *
 [Forgot your password?](#)

1. Bookmark <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?”

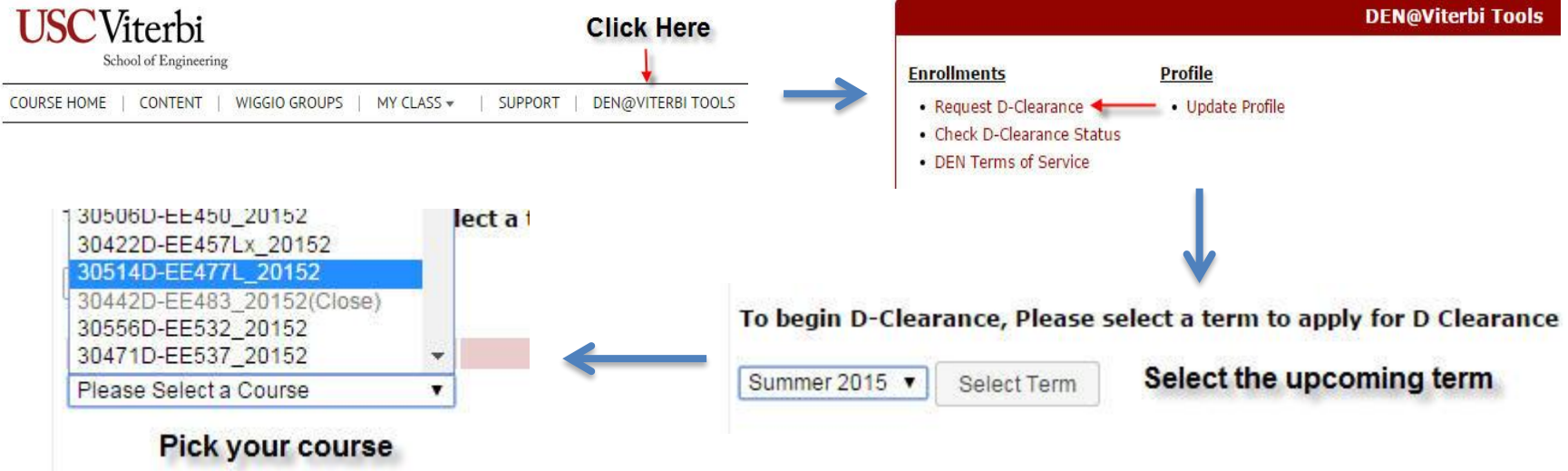
Sign up for an exclusive one-on-one training session inside a virtual classroom to learn all about Desire2Learn:

<https://viterbigrad.usc.edu/technical-support/training-options/>



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



DEN@Viterbi Contacts

Office of Graduate and Professional Programs (GAPP)

<https://viterbigradadmission.usc.edu/denviterbi/>

DEN@Viterbi Support	Contact Information	Staff
<u>Technical support,</u> <u>Desire2Learn training,</u> <u>Homework</u>	dentsc@usc.edu 213-740-9356	Rebecca Lee Bianca Richter
<u>Exams</u>	denexam@usc.edu 213-740-9356	Shirley Schutt
GAPP Advisor for registration, d-clearance, policies and procedures	ptrinida@usc.edu 213-740-0116	Patty Rinehart
Tuition Deferment or Vouchers	susannas@usc.edu 213-740-8198	Susanna Sahakian



THANK YOU!

HAVE A GREAT SEMESTER!
FIGHT ON!

A recording of this online orientation and presentation will be available for viewing and download on the GAPP website.