DEN@Viterbi
Department of Biomedical Engineering
Orientation
Welcome to DEN@Viterbi and USC

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Biomedical Engineering Department
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AGENDA

• Welcome to DEN@Viterbi & USC
• Department Contact Information
• Important Dates & Deadlines
• Degree Requirements
• Advisement: BME Advisement Hold, DEN D-clearance
• DEN Contact Information
• Q & A
<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>
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<tr>
<td>Nov. 17-Jan. 6</td>
<td>Registration for returning students and continuing students</td>
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<tr>
<td>Jan. 5-6</td>
<td>Registration for spring semester continues</td>
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<tr>
<td>Jan. 6</td>
<td>Last day to register and settle without late fee</td>
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<tr>
<td>Jan. 9</td>
<td>Spring semester classes begin for Session 001</td>
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<tr>
<td>Jan. 9-13</td>
<td>Late registration and change of program for Session 001</td>
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<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>
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<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>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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Feb. 20 | Presidents' Day, university holiday
Feb. 24 | 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
Feb. 24 | Last day to change a Pass/No Pass course to letter grade
March 12-19 | Spring recess
March 31 | Thesis/Dissertation Manuscript submission deadline
April 7 | Last day to drop a class with a mark of “W” for Session 001
April 28 | Spring semester classes end
April 29-May 2 | Study days
May 3-10 | Final examinations
May 11 | Spring semester ends
May 12 | Commencement
PROGRAM OVERVIEW

- MS in Biomedical Engineering (MS BME/General BME)
- MS in Imaging and Imaging Informatics (MIII)
- MS in Medical Devices & Diagnostic Engineering (MDDE)
MS in Biomedical Engineering (MS BME/General BME) (28 units total)

Required Courses All courses are required - 15 units total
BME 501 | Advanced Topics in Biomedical Systems (4 units, Fall & Spring)
BME 502 | Advanced Studies of the Nervous System (4 units, Fall only)
BME 511 | Physiological Control Systems (3 units, Fall only)
BME 513 | Signal and Systems Analysis (3 units, Spring only)
BME 533 | Seminar in Bioengineering (1 unit, Fall & Spring)

Required Technical Elective courses – 13 units total
See more at: http://gapp.usc.edu/graduate-programs/masters/biomedical-engineering/biomedical-engineering#sthash.x8BCIvQD.dpuf
MS in Imaging and Imaging Informatics (MIII)  
(28 units total)

**Required Courses** All courses are required – 22 units total  
BME 501 | Advanced Topics in Biomedical Systems (4 units, Fall & Spring)  
BME 513 | Signal and Systems Analysis (3 units, Spring only)  
BME 525 | Advanced Biomedical Imaging (3 units, Spring only)  
BME 527 | Integration of Medical Imaging Systems (3 units, Fall only)  
BME 528 | Medical Imaging Informatics (3 units, Spring only)  
BME 535 | Ultrasonic Imaging (3 units, Spring only)  
EE 569 | Introduction to Digital Image Processing (3 units, Fall only)

**Technical Electives** –6 units total  
See more at: http://gapp.usc.edu/graduate-programs/masters/biomedical-engineering/bme-medical-imaging-and-imaging-informatics#sthash.9J2oeyMe.dpuf
**MS in Medical Devices & Diagnostic Engineering (MDDE)**
(28 units total)

**Required Courses - 19 units total**
BME 501 | Advanced Topics in Biomedical Systems (4 units, Fall & Spring) **OR**
BME 502 | Advanced Studies of the Nervous System (4 units, Fall only)
BME 513 | Signal and Systems Analysis (3 units, Spring only)
BME 650 | Biomedical Measurement and Instrumentation (3 units, Spring only)
BME 416 | Development and Regulation of Medical Products (3 units, Spring only) **OR**
*MPTX 511 | Introduction to Medical Product Regulation (3 units, available Year-round)
ISE 527 | Quality Management for Engineers (3 units, available Year-round) **OR**
*MPTX 515 | Quality Assurance (3 units, available Spring & Summer only)
ISE 545 | Technology Development and Implementation (available Year-round)

**Technical Elective 1 course required - 3 units total.**

**Required Specialization Track - 6 units from one of the required specialization tracks.**

See more at: [http://gapp.usc.edu/graduate-programs/masters/biomedical-engineering/medical-device-and-diagnostic-imaging#sthash.bCp6TsZo.dpuf](http://gapp.usc.edu/graduate-programs/masters/biomedical-engineering/medical-device-and-diagnostic-imaging#sthash.bCp6TsZo.dpuf)

*see section on REGISTRATION regarding d-clearance process for MPTX & RSCI courses*
MDDE Program Continued...

Choose ONE track – 6 credits total

**Medical Technology and Device Science Track**
BME 535 | Ultrasonic Imaging (Spring only)
*DEN@Viterbi students completing this specialization will substitute the 2nd BME elective (not available online) with a department approved alternative.*

**Product Development Track**
ISE 515 | Engineering Project Management (Available Year-round)
*DEN@Viterbi students completing this specialization will substitute ISE 555 (not available online) with a department approved alternative.*

**Regulatory Track (**Available online through Regulatory Affairs**)**
MPTX 513 | Regulation of Medical Devices and Diagnostics (Fall & Summer only)
RSCI 527 | Medical Product Safety (3 units, Summer only)
BME DEPARTMENT REGISTRATION RULES

• All BME courses require D-clearance.
• All BME graduate students have a MANDATORY ADVISEMENT HOLD from the BME Department.

Step 1: Contact your Graduate Student Advisor for MANDATORY ADVISEMENT
Step 2: REQUEST D-CLEARANCE FROM DEN

Note 1 Schedule a meeting with the Graduate Student Advisor if you are unclear about your course plan. Provide your 10-digit USC ID and specify that you are a DEN student.

Note 2 Elective courses that are not on the BME list of approved technical electives for your program require a petition. Degree applicability of technical electives must always be approved by the Department Chair.

See more at http://bme.usc.edu/students/graduate-students-current/advising-information.htm
HOW TO REQUEST D-CLEARANCE FOR MPTX or RSCI COURSES

Send an e-mail request to Toni Rodriguez (tonirodr@usc.edu) with the information below:

• Name, USC 10-digit ID, e-mail
• Course # (ie. MPTX 513)
• Graduate Program (eg. MS BME or MDDE)
• Distance Student

Consult the full MPTX/RSCI schedule at http://regulatory.usc.edu/CourseSchedules.htm

See more at http://bme.usc.edu/students/graduate-students-current/advising-information.htm
HOW TO REQUEST D-CLEARANCE FROM DEN

All DEN courses require D-clearance.

Source link: https://gapp.usc.edu/den/current-students/registration

DEN@Viterbi D-Clearance Request Procedure

1. Log-in to your DEN@Viterbi profile at https://courses.uscden.net or by clicking on the Blackboard link on the top right of this page just under the USC logo.
2. Click on the DEN Tools link after you have logged-in. Remember to make sure pop-ups are not blocked on your browser.
3. Click on the link for D-Clearance Request Form.
4. Select the semester of the class you would like to take.
5. Select the course(s) you would like to take and submit the form.

**Please note that D-Clearance requests take up to 1 business day to process.

• To check the status of submitted D-clearance requests:
  Go to the D-clearance Status link in DEN Tools to check on the status of your request.

• If you have any questions about DEN@Viterbi D-clearances, please contact the GAPP Office at 213-740-4488 or masters@gapp.usc.edu.
## CONTACT INFO

**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  
[http://gapp.usc.edu](http://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>
<td><strong><a href="mailto:dentsc@usc.edu">dentsc@usc.edu</a></strong></td>
<td>Rebecca Lee</td>
</tr>
<tr>
<td>Desire2Learn training,</td>
<td>213-740-9356</td>
<td>Bianca Richter</td>
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<tr>
<td>Homework</td>
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<tr>
<th>Exams</th>
<th><strong><a href="mailto:denexam@usc.edu">denexam@usc.edu</a></strong></th>
<th>Shirley Schutt (exams)</th>
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<tr>
<td></td>
<td>213-740-9356</td>
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<tr>
<th>GAPP Advisor for registration, d-clearance, policies and procedures</th>
<th><strong><a href="mailto:ptrinida@usc.edu">ptrinida@usc.edu</a></strong></th>
<th>Patty Rinehart</th>
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<tr>
<td></td>
<td>213-740-0116</td>
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<tr>
<th>Tuition Deferment or Vouchers</th>
<th><strong><a href="mailto:susannas@usc.edu">susannas@usc.edu</a></strong></th>
<th>Susanna Sahakian</th>
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<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.