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

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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
### UNIVERSITY CALENDAR – FALL 2014

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>June 1</td>
<td>Domestic Students can register on WebReg</td>
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<tr>
<td>Aug. 22</td>
<td>Last day to register and pay without late fee</td>
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<tr>
<td>Aug. 25</td>
<td>Fall semester classes begin</td>
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<tr>
<td>Sept. 1</td>
<td>Labor Day, University Holiday</td>
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<td>Sept. 12</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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<tr>
<td>Sept. 12</td>
<td>Deadline for purchasing or showing proof of health insurance</td>
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<tr>
<td>Sept. 12</td>
<td>Last day to register and add classes</td>
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<tr>
<td>Sept. 12</td>
<td>Last day to change enrollment option to Pass/No Pass or Audit</td>
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<tr>
<td>Sept. 12</td>
<td>Last day to purchase or waive tuition refund insurance</td>
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UNIVERSITY CALENDAR – FALL 2014 cont.

Sept. 16  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
Nov. 26-29  Thanksgiving Recess
Nov. 14  Last day to drop a class with a mark of “W”
Dec. 5  Fall semester classes end
Dec. 6-9  Study days
Dec. 10-17  Final examinations
Dec. 18-Jan. 11  Winter Recess
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.x8BC1vQD.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
*see section on REGISTRATION regarding d-clearance process for MPTX & RSCI courses
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
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 Laura Sturza (sturza@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.

1. Login to DEN Blackboard: [http://gapp.usc.edu](http://gapp.usc.edu)
2. Select DEN Tools
3. Select D Clearance Request Form and submit required information based on course chosen
4. Approval process takes 1 business day. To check status of D-Clearance go to DEN Tools > 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](mailto:masters@gapp.usc.edu)
# 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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<tr>
<td><strong>Technical support including</strong></td>
<td><strong><a href="mailto:webclass@usc.edu">webclass@usc.edu</a></strong></td>
<td>Kevin Chan</td>
</tr>
<tr>
<td><strong>Blackboard and training</strong></td>
<td>213-821-1321</td>
<td>Ray Madani</td>
</tr>
<tr>
<td><strong>Homework and Exams</strong></td>
<td><strong><a href="mailto:dennotes@usc.edu">dennotes@usc.edu</a>, <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>
<td>Bianca Richter</td>
</tr>
<tr>
<td><strong>GAPP Advisor for</strong></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, policies and procedures</td>
<td>213-740-0116</td>
<td></td>
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<tr>
<td><strong>Tuition Deferment or Vouchers</strong></td>
<td><strong><a href="mailto:susannas@usc.edu">susannas@usc.edu</a></strong></td>
<td>Susanna Sahakian</td>
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<tr>
<td></td>
<td>213-740-8198</td>
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THANK YOU!

HAVE A GREAT FALL 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.