

# Mechanical Engineering – 2015 Admissions

## Traditional Mechanical Engineering – Plan I

Mechanical: Traditional					
Year 2		Year 3		Year 4	
<b>Fall Term 3</b> CIV E 270 (3-0-3) MATH 209 (3-0-1) STAT 235 (3-0-1.5)  <b>Course Group 2A</b> CH E 243 (3-1s-0) MEC E 200 (1-2s-0) MEC E 250 (3-1s-0)  <b>or</b>  <b>Course Group 2B</b> MEC E 230 (3-1s-0) MEC E 260 (2-0-3) MEC E 265 (2-0-3)	<b>Winter Term 4</b> ECE 209 (3-0-3/2) MAT E 202 (3-0-3/2) MATH 201 (3-0-1)  <b>Course Group 2A</b> CH E 243 (3-1s-0) MEC E 200 (1-2s-0) MEC E 250 (3-1s-0)  <b>or</b>  <b>Course Group 2B</b> MEC E 230 (3-1s-0) MEC E 260 (2-0-3) MEC E 265 (2-0-3)	<b>Fall Term 5</b>  <b>Course Group 3A</b> MATH 300 (3-0-0) MEC E 300 (3-1s-0) MEC E 301 (1-0-3) MEC E 331 (3-0-1) MEC E 371 (3-1s-0) MEC E 380 (3-1s-0)  <b>or</b>  <b>Course Group 3B</b> ENG M 310 (3-0-0) or 401 (3-0-0) English Elective (3-0-0) MEC E 340 (3-0-0) MEC E 360 (3-0-3/2) MEC E 362 (3-0-3/2) MEC E 390 (3-0-1)	<b>Winter Term 6</b>  <b>Course Group 3A</b> MATH 300 (3-0-0) MEC E 300 (3-1s-0) MEC E 301 (1-0-3) MEC E 331 (3-0-1) MEC E 371 (3-1s-0) MEC E 380 (3-1s-0)  <b>or</b>  <b>Course Group 3B</b> ENG M 310 (3-0-0) or 401 (3-0-0) English Elective (3-0-0) MEC E 340 (3-0-0) MEC E 360 (3-0-3/2) MEC E 362 (3-0-3/2) MEC E 390 (3-0-1)	<b>Fall Term 7</b> Program Elective (3-0-0) Program Elective (3-0-0)  <b>Course Group 4A</b> Comp Studies II (3-0-0) MEC E 430 (3-0-0) or 480 (3-0-0) MEC E 463 (3-0-2) Program Elective (3-0-0)  <b>or</b>  <b>Course Group 4B</b> ITS Elective (3-0-0) MEC E 403 (1-0-3) MEC E 451 (3-0-1) MEC E 460 (2-1s-4)	<b>Winter Term 8</b> CH E 448 (3-1s-3/3) or ECE 362 (3-0-3/2) or MEC E 420 (3-0-3/2) ENGG 400 (1-0-0) Program Elective (3-0-0)  <b>Course Group 4A</b> Comp Studies II (3-0-0) MEC E 430 (3-0-0) or 480 (3-0-0) MEC E 463 (3-0-2) Program Elective (3-0-0)  <b>or</b>  <b>Course Group 4B</b> ITS Elective (3-0-0) MEC E 403 (1-0-3) MEC E 451 (3-0-1) MEC E 460 (2-1s-4)
<b>Notes</b> (1) See §84.5.7 for restrictions on the four program electives. (2) In each year, students take either (Group A in Fall, Group B in Winter) or (Group B in Fall, Group A in Winter).					

## Traditional Mechanical Engineering - Plan II

Mechanical: Alternate Format		
Year 2	Year 3	Year 4
<p><b>Fall Term 3<sup>1</sup></b>            ENG M 310 (3-0-0) or 401 (3-0-0)            Comp Studies II (3-0-0)            English Elective (3-0-0)            ITS Elective (3-0-0)            MATH 201 (3-0-1)            MATH 209 (3-0-1)</p> <p><b>Winter Term 4</b>            CIV E 270 (3-0-3)            MEC E 230 (3-1s-0)            MEC E 260 (2-0-3)            MEC E 265 (2-0-3)            STAT 235 (3-0-1.5)</p> <p><b>Summer Term 5</b>            CH E 243 (3-1s-0)            ECE 209 (3-0-3/2)            MAT E 202 (3-0-3/2)            MEC E 200 (1-2s-0)            MEC E 250 (3-1s-0)</p>	<p><b>Fall Term 6</b></p> <p><b>Course Group 3A-alt<sup>2</sup></b>      <b>Or</b>      <b>Course Group 3B-alt</b></p> <p>MATH 300 (3-0-0)                      MEC E 340 (3-0-0)            MEC E 300 (3-1s-0)                  MEC E 360 (3-0-3/2)            MEC E 301 (1-0-3)                    MEC E 362 (3-0-3/2)            MEC E 331 (3-0-1)                    MEC E 390 (3-0-1)            MEC E 371 (3-1s-0)                  Program Elective (3-0-0)            MEC E 380 (3-1s-0)</p> <p><b>Winter Term 7</b></p> <p><b>Course Group 3A-alt</b>      <b>Or</b>      <b>Course Group 3B-alt</b></p> <p>MATH 300 (3-0-0)                      MEC E 340 (3-0-0)            MEC E 300 (3-1s-0)                  MEC E 360 (3-0-3/2)            MEC E 301 (1-0-3)                    MEC E 362 (3-0-3/2)            MEC E 331 (3-0-1)                    MEC E 390 (3-0-1)            MEC E 371 (3-1s-0)                  Program Elective (3-0-0)            MEC E 380 (3-1s-0)</p> <p><b>Summer Term 8</b>            Program Elective (3-0-0)            Program Elective (3-0-0)</p> <p><b>Course Group 4A-alt</b>                  <b>Or</b>      <b>Course Group 4B-alt</b></p> <p>MEC E 430 (3-0-0) or 480 (3-0-0)      MEC E 403 (1-0-3)            MEC E 463 (3-0-2)                      MEC E 451 (3-0-1)            Program Elective (3-0-0)              MEC E 460 (2-1s-4)</p>	<p><b>Fall Term 9</b>            CH E 448 (3-1s-3/3) or ECE 362 (3-0-3/2) or MEC E 420 (3-0-3/2)            ENGG 400 (1-0-0)</p> <p><b>Course Group 4A-alt</b>            MEC E 430 (3-0-0) or 480 (3-0-0)            MEC E 463 (3-0-2)            Program Elective (3-0-0)</p> <p><b>or</b></p> <p><b>Course Group 4B-alt</b>            MEC E 403 (1-0-3)            MEC E 451 (3-0-1)            MEC E 460 (2-1s-4)</p>
<p><b>Notes</b></p> <p>(1) See §84.5.7 for restrictions on the four program electives.</p> <p>(2) Offered in consecutive terms, including Summer, from Term 3 to Term 9.</p> <p>(3) In each term of years 3 and 4, students take either Group A-alt or Group B-alt then Group B-alt or Group A-alt.</p>		

### Mechanical Engineering Coop

1 First fall term is a group of elective courses. This lightens the load in every other term but one, see footnote 2.

2 3A-alt is the only full term equivalent to group 3A.

Mechanical Plan I			
Year 2	Year 3	Year 4	Year 5
<p><b>Fall Term 3</b>            CIV E 270 (3-0-3)            ENGG 299 (1-1s-0)            MATH 209 (3-0-1)            STAT 235 (3-0-1.5)  <b>Course Group 2B</b>            MEC E 230 (3-1s-0)            MEC E 260 (2-0-3)            MEC E 265 (2-0-3)</p> <p><b>Winter Term 4</b>            ECE 209 (3-0-3/2)            MAT E 202 (3-0-3/2)            MATH 201 (3-0-1)  <b>Course Group 2A</b>            CH E 243 (3-1s-0)            MEC E 200 (1-2s-0)            MEC E 250 (3-1s-0)</p> <p><b>Summer</b>            WKEXP 901</p>	<p><b>Fall</b>            WKEXP 902</p> <p><b>Winter Term 5</b>  <b>Course Group 3A</b>            MATH 300 (3-0-0)            MEC E 300 (3-1s-0)            MEC E 301 (1-0-3)            MEC E 331 (3-0-1)            MEC E 371 (3-1s-0)            MEC E 380 (3-1s-0)</p> <p><b>or</b></p> <p><b>Course Group 3B</b>            ENG M 310 (3-0-0) or 401 (3-0-0)            English Elective (3-0-0)            MEC E 340 (3-0-0)            MEC E 360 (3-0-3/2)            MEC E 362 (3-0-3/2)            MEC E 390 (3-0-1)</p> <p><b>Summer</b>            WKEXP 903</p>	<p><b>Fall</b>            WKEXP 904</p> <p><b>Winter Term 6</b>  <b>Course Group 3A</b>            MATH 300 (3-0-0)            MEC E 300 (3-1s-0)            MEC E 301 (1-0-3)            MEC E 331 (3-0-1)            MEC E 371 (3-1s-0)            MEC E 380 (3-1s-0)</p> <p><b>or</b></p> <p><b>Course Group 3B</b>            ENG M 310 (3-0-0) or 401 (3-0-0)            English Elective (3-0-0)            MEC E 340 (3-0-0)            MEC E 360 (3-0-3/2)            MEC E 362 (3-0-3/2)            MEC E 390 (3-0-1)</p> <p><b>Summer Term 7</b>            Program Elective (3-0-0)            Program Elective (3-0-0)  <b>Course Group 4A</b>            Comp Studies II (3-0-0)            MEC E 430 (3-0-0) or 480 (3-0-0)            MEC E 463 (3-0-2)            Program Elective (3-0-0)</p>	<p><b>Fall</b>            WKEXP 905</p> <p><b>Winter Term 8</b>            CH E 448 (3-1s-3/3) or ECE 362 (3-0-3/2) or MEC E 420 (3-0-3/2)            ENGG 400 (1-0-0)            Program Elective (3-0-0)</p> <p><b>Course Group 4B</b>            ITS Elective (3-0-0)            MEC E 403 (1-0-3)            MEC E 451 (3-0-1)            MEC E 460 (2-1s-4)</p>
<p><b>Notes</b>            (1) See <a href="#">§84.5.7</a> for restrictions on the four program electives.</p>			

Mechanical Plan II			
Year 2	Year 3	Year 4	Year 5
<p><b>Fall Term 3</b>            CIV E 270 (3-0-3)            ENGG 299 (1-1s-0)            MATH 209 (3-0-1)            STAT 235 (3-0-1.5)  <b>Course Group 2A</b>            CH E 243 (3-1s-0)            MEC E 200 (1-2s-0)            MEC E 250 (3-1s-0)</p> <p><b>Winter</b>            WKEXP 901</p> <p><b>Summer Term 4</b>            ECE 209 (3-0-3/2)            MAT E 202 (3-0-3/2)            MATH 201 (3-0-1)  <b>Course Group 2B</b>            MEC E 230 (3-1s-0)            MEC E 260 (2-0-3)            MEC E 265 (2-0-3)</p>	<p><b>Fall Term 5</b>  <b>Course Group 3B</b>            ENG M 310 (3-0-0) or 401 (3-0-0)            English Elective (3-0-0)            MEC E 340 (3-0-0)            MEC E 360 (3-0-3/2)            MEC E 362 (3-0-3/2)            MEC E 390 (3-0-1)</p> <p><b>Winter</b>            WKEXP 902</p> <p><b>Summer</b>            WKEXP 903</p>	<p><b>Fall Term 6</b>  <b>Course Group 3A</b>            MATH 300 (3-0-0)            MEC E 300 (3-1s-0)            MEC E 301 (1-0-3)            MEC E 331 (3-0-1)            MEC E 371 (3-1s-0)            MEC E 380 (3-1s-0)</p> <p><b>Winter</b>            WKEXP 904</p> <p><b>Summer Term 7</b>            Program Elective (3-0-0)            Program Elective (3-0-0)  <b>Course Group 4B</b>            ITS Elective (3-0-0)            MEC E 403 (1-0-3)            MEC E 451 (3-0-1)            MEC E 460 (2-1s-4)</p>	<p><b>Fall</b>            WKEXP 905</p> <p><b>Winter Term 8</b>            CH E 448 (3-1s-3/3) or ECE 362 (3-0-3/2) or MEC E 420 (3-0-3/2)            ENGG 400 (1-0-0)            Program Elective (3-0-0)  <b>Course Group 4A</b>            Comp Studies II (3-0-0)            MEC E 430 (3-0-0) or 480 (3-0-0)            MEC E 463 (3-0-2)            Program Elective (3-0-0)</p>
<p><b>Notes</b></p> <p>(1) See <a href="#">§84.5.7</a> for restrictions on the four program electives.</p>			

**Mechanical Plan III : Biomedical Option**

Year 2	Year 3	Year 4	Year 5
<p><b>Fall Term 3</b>                      CIV E 270 (3-0-3)                      ENGG 299 (1-1s-0)                      MATH 209 (3-0-1)                      STAT 235 (3-0-1.5)  <b>Course Group 2A</b>                      CH E 243 (3-1s-0)                      MEC E 200 (1-2s-0)                      MEC E 250 (3-1s-0)</p> <p><b>Winter Term 4</b>                      ECE 209 (3-0-3/2)                      MAT E 202 (3-0-3/2)                      MATH 201 (3-0-1)  <b>Course Group 2B</b>                      MEC E 230 (3-1s-0)                      MEC E 260 (2-0-3)                      MEC E 265 (2-0-3)</p> <p><b>Summer</b>                      WKEXP 902</p>	<p><b>Fall Term 5</b>                      BME 320 (3-0-0)                      ENG M 310 (3-0-0) or 401 (3-0-0)                      MEC E 340 (3-0-0)                      MEC E 360 (3-0-3/2)                      MEC E 362 (3-0-3/2)                      MEC E 390 (3-0-1)</p> <p><b>Winter</b>                      WKEXP 903</p> <p><b>Summer Term 6</b>                      MATH 300 (3-0-0)                      MEC E 300 (3-1s-0)                      MEC E 301 (1-0-3)                      MEC E 331 (3-0-1)                      MEC E 371 (3-1s-0)                      MEC E 380 (3-1s-0)</p>	<p><b>Fall Term 7</b>                      BME 321 (3-0-0)                      Comp Studies II (3-0-0)                      English Elective (3-0-0)                      MEC E 563 (3-0-3)                      Program Elective (3-0-0)                      STAT 337 (3-0-2)</p> <p><b>Winter</b>                      WKEXP 906</p> <p><b>Summer</b>                      WKEXP 904</p>	<p><b>Fall Term 8</b>                      ITS Elective (3-0-0)                      MEC E 430 (3-0-0)                      MEC E 463 (3-0-2)                      Program Elective (3-0-0)                      Program Elective (3-0-0)</p> <p><b>Winter Term 9</b>                      CH E 448 (3-1s-3/3) or ECE 362 (3-0-3/2) or MEC E 420 (3-0-3/2)                      ENGG 400 (1-0-0)                      MEC E 485 (3-0-0)                      MEC E 403 (1-0-3)                      MEC E 451 (3-0-1)                      MEC E 460 (2-1s-4)                      PHIL 386 (3-0-0)</p>

**Notes**

(1) See [§84.5.7.1](#) for restrictions on the program electives.

(2) The order of WKEXP 904 and 906 may be switched. See the program advisor.

(3) Students wishing to apply for admission to the Faculty of Medicine and Dentistry MD program should see [§84.5.7.1](#).

**Mechanical Plan IV**

Year 2	Year 3	Year 4	Year 5
<p><b>Fall Term 3</b>            CIV E 270 (3-0-3)            ENGG 299 (1-1s-0)            MATH 209 (3-0-1)            STAT 235 (3-0-1.5)  <b>Course Group 2B</b>            MEC E 230 (3-1s-0)            MEC E 260 (2-0-3)            MEC E 265 (2-0-3)</p> <p><b>Winter Term 4</b>            ECE 209 (3-0-3/2)            MAT E 202 (3-0-3/2)            MATH 201 (3-0-1)  <b>Course Group 2A</b>            CH E 243 (3-1s-0)            MEC E 200 (1-2s-0)            MEC E 250 (3-1s-0)</p> <p><b>Summer Term 5</b>  <b>Course Group 3A</b>            MATH 300 (3-0-0)            MEC E 300 (3-1s-0)            MEC E 301 (1-0-3)            MEC E 331 (3-0-1)            MEC E 371 (3-1s-0)            MEC E 380 (3-1s-0)  <b>or</b>  <b>Course Group 3B</b>            ENG M 310 (3-0-0) or 401 (3-0-0)            English Elective (3-0-0)            MEC E 340 (3-0-0)            MEC E 360 (3-0-3/2)            MEC E 362 (3-0-3/2)            MEC E 390 (3-0-1)</p>	<p><b>Fall</b>            WKEXP 901</p> <p><b>Winter</b>            WKEXP 902</p> <p><b>Summer Term 6</b>  <b>Course Group 3A</b>            MATH 300 (3-0-0)            MEC E 300 (3-1s-0)            MEC E 301 (1-0-3)            MEC E 331 (3-0-1)            MEC E 371 (3-1s-0)            MEC E 380 (3-1s-0)</p> <p><b>or</b>  <b>Course Group 3B</b>            ENG M 310 (3-0-0) or 401 (3-0-0)            English Elective (3-0-0)            MEC E 340 (3-0-0)            MEC E 360 (3-0-3/2)            MEC E 362 (3-0-3/2)            MEC E 390 (3-0-1)</p>	<p><b>Fall</b>            WKEXP 903</p> <p><b>Winter</b>            WKEXP 904</p> <p><b>Summer</b>            WKEXP 905</p>	<p><b>Fall Term 7</b>            Program Elective (3-0-0)            Program Elective (3-0-0)  <b>Course Group 4A</b>            Comp Studies II (3-0-0)            MEC E 430 (3-0-0) or 480 (3-0-0)            MEC E 463 (3-0-2)            Program Elective (3-0-0)</p> <p><b>Winter Term 8</b>            CH E 448 (3-1s-3/3) or ECE 362 (3-0-3/2) or MEC E 420 (3-0-3/2)            ENGG 400 (1-0-0)            Program Elective (3-0-0)  <b>Course Group 4B</b>            ITS Elective (3-0-0)            MEC E 403 (1-0-3)            MEC E 451 (3-0-1)            MEC E 460 (2-1s-4)</p>

**Notes**  
 (1) See §84.5.7 for restrictions on the four program electives.