## Study Plan for B.S.E., PRODUCT DESIGN & MANUFACTURING ENGINEERING Major

**Major:** PRODUCT DESIGN & MANUFACTURING ENGINEERING  
**Major Code:** PDM 5 yr 110 2015-16  Rev 1-16

### 1st Year

<table>
<thead>
<tr>
<th>Semester</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>MTH 110</td>
<td>Algebra</td>
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<td>* WRT 150</td>
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<tr>
<td>^ EGR 100</td>
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<tr>
<td>GE - Arts</td>
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### 2nd Year

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<td>MTH 123</td>
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<td>^ CHM 115</td>
<td>Chemistry I</td>
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<td>* MTH 201</td>
<td>Calculus I</td>
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<td>* EGR 106</td>
<td>Intro to Egr Design I</td>
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<td>% ECO 210/211</td>
<td>Economics</td>
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<td>@ GE - P &amp; L (PHI 102 Ethics)</td>
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<td>* MTH 202</td>
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<td>* EGR 107</td>
<td>Intro to Egr Design II</td>
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<td>* PHY 230</td>
<td>Physics I</td>
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<td>^ STA 220</td>
<td>Engrg Statistics</td>
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<td>* MTH 203</td>
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<td>* PHY 234/1</td>
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<td>* EGR 209</td>
<td>Mech &amp; Mach</td>
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<td>* EGR 226</td>
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<td>^ EGR 289</td>
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### 6th Year

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<td>* EGR 309</td>
<td>Mach Design I</td>
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<td>* EGR 250</td>
<td>Mat Sci &amp; Engrg</td>
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### 7th Year

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<td>EGR 345</td>
<td>Dyn Sys Mod</td>
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<td>EGR 367</td>
<td>Mfg Processes</td>
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<td>^ EGR 306</td>
<td>Urban Env &amp; Sust</td>
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### 8th Year

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### 9th Year

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<td>EGR 450</td>
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<td>EGR 485</td>
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<td>PDM Elec</td>
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### 10th Year

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<td>EGR 486</td>
<td>Sr Project II</td>
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### Minor

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<tbody>
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<td>EGR 107</td>
<td>Engrg Statistics</td>
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### PCEC Student Services: (616)331-6025

- Engineering Foundation course
- Students may enroll in PHY 231 instead of PHY 234
- Not required, but strongly recommended for success
- SOC 205 recommended (covers SBS and US)
- Issues courses as well. Prereq for ANT 340 is another WP or US Diversity course.
- An ethics course is required in the engineering program (PHI 102 or another ethics course in General Education).
- Consider taking PHI 102 as an SWS
- ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS GenEd requirement.

### Secondary Admissions Criteria:
- A GPA of 2.7 or above in the Engineering Foundation courses
- Completion of each course in the Engineering Foundation with a grade of C (2.0) or above, **with no more than one repeat**
- Completion of preparation for placement in the cooperative engineering education, EGR 289

### Recommendation:

It is strongly encouraged that students do not begin or break a curriculum thread by taking courses at other institutions; e.g., take the MTH 201 equivalent elsewhere, return to GV and continue in the math thread with MTH 202.