

**LEAP Program Plan      Product Design & Manufacture**

**Student:** \_\_\_\_\_ **BUID#** \_\_\_\_\_

Course pre-requisites are listed in parentheses. Other required courses may be designated as part of the advising process. All students must present evidence of previous equivalent coursework or complete the following:

<b>Core Courses</b>			
<b>Taken</b>	<b>Needs</b>	<b>#</b>	<b>Title</b>
		ENG ME 357	Introduction to Computer Aided Design (2cr.)
		ENG EK 121	Introduction to Programming & Data Science
		ENG EK 122	Programming for Engineers
		ENG EK 301	Engineering Mechanics I (PY211 and EK125; co-req. MA 225)
		ENG EK 307	Electric Circuit Theory
		CAS MA 124	Calculus II (MA 123)
		CAS MA 225	Multivariate Calculus (MA 124)
		CAS MA 226	Differential Equations (MA 225)
		CAS PY 211	Physics I (co-req. MA 124)
		ENG ME 306	Introduction to Materials Science (PY 212; PY 313 recommended)
		ENG ME 304	Energy and Thermodynamics (PY 211, co-req. MA 225)
		ENG ME 305	Mechanics of Materials (EK 301)
<b>And</b>			
		ENG ME 358	Manufacturing Processes (ME 357) (2cr)
		ENG EK 381	Probability, Statistics & Data Science for Engineers (MA225, EK 103)
		ENG ME 360	Electromechanical Design (ME 357)

Minimum # of courses needed for LEAP foundation: \_\_\_\_\_

Comments:

Advisor Initials: \_\_\_\_\_ Date: \_\_\_\_\_

