

**LEAP Program Plan      Computer Engineering**

**Student:** \_\_\_\_\_ **BU-ID#** \_\_\_\_\_

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>Taken</b>	<b>Needs</b>	<b>#</b>	<b>Title</b>
<b>Core Courses</b>				
<b>1</b>			CAS MA 124	Calculus II (MA 123)
<b>2</b>			CAS PY 211	Physics I (co-req. MA 124)
<b>3</b>			CAS PY 212	Physics II (PY211)
<b>4</b>			ENG EK 125	Introduction to Programming for Engineers
<b>5</b>			ENG EC 311	Introduction to Logic Design (co-req. EK 307)
<b>6</b>			ENG EC 327	Introduction to Software Engineering (EK 127)
<b>7</b>			EC330	Applied Algorithms for Engineers
<b>Choose at least one of the following</b>				
<b>8</b>			ENG EC 413 (F)	Computer Organization (EC 311)
<b>9</b>			ENG EC 441 (F)	Introduction to Computer Networking
<b>10</b>			EC 444	Networking in the Physical World
<b>Choose three courses from the following</b>				
<b>11</b>			ENG EK 381	Probability, Statistics, and Data Science for Engineers
<b>12</b>			ENG EK 307	Circuits and Systems
<b>13</b>			MA 225	Multivariate Calculus (MA 124)
<b>14</b>			MA 226	Differential Equations (MA225)
<b>15</b>			MA 242 (4cr) <b>OR</b> MA142 (2cr) & MA 193 (2cr)	Linear Algebra
<b>16</b>			MA 193	Discrete Mathematics for Engineering
<b>17</b>			Any ECE course 400 or above	Recommended: EC 440 Introduction to Operating Systems & EC 447 Software Design
<b>18</b>			Certain CS courses with approval of LEAP advisor	

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

Comments:

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

