

# ENGINEERING, ASSOCIATE IN SCIENCE

The model sequence of coursework below is one pathway for students to complete the program. The information below is not an official educational plan. An MPC Counselor can assist you with creating a personalized education plan based on your academic, career, and personal goals. Visit MPC's Counseling website for more information about Counseling and up-to-date program requirements.

## Suggested 2-Year Course Sequence

### Year 1

Fall		Units
ENGL 1A	College Composition	3
or ENGL 1AE	or College Composition: Enhanced	
MATH 13	Pre-Calculus	5
ENGR 1A	Introduction to Engineering	3
LIBR 50	Introduction to Library and Research Skills	1
IGETC Area 3B (US-1 Course Recommended)		3
<b>Units</b>		<b>15</b>

### Spring

ENGL 2	Argumentative Writing and Critical Thinking	3
SPCH 1	Public Speaking (CSU Requirement)	3
or SPCH 2	or Small Group Communication	
MATH 20A	Calculus with Analytic Geometry I	4
ENGR 2	Engineering Design Graphics	3
IGETC Area 3A		3
<b>Units</b>		<b>16</b>

### Summer

MATH 20B	Calculus with Analytic Geometry II	4
<b>Units</b>		<b>4</b>

### Year 2

Fall		
PHYS 3A	Science and Engineering Physics I	4
MATH 20C	Calculus of Several Variables	4
IGETC Area 4		3
IGETC Area 4 (US-2 & 3 Course Recommended)		3
IGETC Area 5B		3
<b>Units</b>		<b>17</b>

### Spring

ENGR 17	Programming and Problem-Solving in MATLAB	3
PHYS 3B	Science and Engineering Physics II	4
IGETC Area 3A or 3B		3
IGETC Area 4		3
IGETC Area 6 (UC requirement only)		0-5
<b>Units</b>		<b>13-18</b>
<b>Total Units</b>		<b>65-70</b>