Specific courses listed below are given as examples only. Alternatives exist for all requirements, including equivalent courses, independent study/project work, experimental courses, and graduate courses.

### Institute Requirements (4 units)

<table>
<thead>
<tr>
<th>Humanities and Arts (2 units)</th>
<th>IQP (1 unit)</th>
<th>Physical Education (1/3 unit)</th>
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### Program Requirements (10* units)

#### Mathematics (7/3 units)
- MA 1021 (Calc 1)
- MA 1022 (Calc 2)
- MA 1023 (Calc 3)
- MA 1024 (Calc 4)
- MA 2051 (Diff Eqs)
- MA 2071 (Lin Alg)
- MA 2621/2631 (Probability)

#### Basic Science (4/3 units)
- Physics (2/3 units)
  - PH 1110/1111 (Mechanics)
  - PH 1120/1121 (Elec & Mag)

#### Other Science (2/3 units)
- BB/CH/GE/PH
- BB/CH/GE/PH

#### Entrepreneurship (1/3 unit)
- ETR 1100/3633/other

#### Social Implications (1/3* unit)
- GOV 2302 / STS 2208 /
- GOV/ID 2314 / CS 3043

### Robotics Engineering (5/3 units)
- RBE 1001† (Intro Robotics)
- RBE 2001 (Unified Rob'tics 1)
- RBE 2002 (Unified Rob'tics 2)
- RBE 3001 (Unified Rob'tics 3)
- RBE 3002 (Unified Rob'tics 4)
- ECE 2029 (Digital Circuits)
- ECE 2049 (Embedded Sys)

### Computer Science (1 unit)
- CS 1101/1102 (Intro Pg Des)
- CS 2102 (Object Oriented)
- CS 3733 (Software Eng)

### MQP (1 unit)

### Engineering Science (2/3 units)
- ES 2501 (Statics)
- ES 3011/ME 3703 (Controls)

### RBE Electives (1 unit)

### Free Electives (1 unit)

* Program Requirements total 10 units if GOV 2302, GOV/ID 2314, or STS 2208 are double counted toward meeting the 2/3 unit Social Science Requirement and the 1/3 unit Social Implications Requirement.

† Students entering with a strong robotics background should substitute a more advanced RBE course.