Pathways into Engineering at Carleton

### 3-2 Engineering (BA/BS) Program

**Advantages:**
- Preferred admission into Washington University (St. Louis)
- BA & BS in 5 years
- ABET Accredited BS Degree

**Disadvantages:**
- Less opportunity to take full advantage of Carleton opportunities (study abroad, sports, etc.)
- Do not graduate with your class
- If plan to get an MS or PhD, adds an additional 2+ years of courses, tuition, and fees
- Limited to Washington University

### 4-2 Engineering (BA/BS) Program

**Advantages:**
- Preferred admission into Washington University
- BA & BS in 6 years
- Take full advantage of Carleton opportunities (study abroad, sports, etc.)
- Graduate with class
- ABET Accredited BS Degree

**Disadvantages:**
- If plan to get an MS or PhD, adds an additional 2+ years of courses, tuition, and fees
- Limited to Washington University

### 3-3 Engineering (BA/BS/MS) Washington University Program

**Advantages:**
- BA, BS & MS in 6 years
- Take full advantage of Carleton opportunities (study abroad, sports, etc.)
- Admission grants 50%/55%/60% automatic tuition waivers for each successive year at Wash U
- ABET Accredited BS Degree

**Disadvantages:**
- Less opportunity to take full advantage of Carleton opportunities (study abroad, sports, etc.)
- Do not graduate with your class

**Graduate from Carleton then pursue MS or PhD (Most common path)**
(Also see Carleton Pathways: https://apps.carleton.edu/pathways/engineering/engineering_technology/)

**Advantages:**
- Take full advantage of Carleton opportunities (study abroad, sports, etc.)
- Graduate with class
- Access to any school that has an engineering program

**Disadvantages:**
- May not get into the graduate program you want (Although Carls have an excellent acceptance rate)
- Note: There are recommended courses on the pre-engineering website that you may want to take to supplement your other coursework to prepare you for an engineering program. (See General Engineering Curriculum Guide)

**Graduate from Carleton then get a job in engineering**

**Advantages:**
- Can study abroad
- Graduate with class

**Disadvantages:**
- Competing with individuals who have a known degree.
- Need to be able to clearly articulate your skills, especially communication and technical skills. (You are qualified but hiring managers may not know that.)
- May need to do more networking to find in-roads
- Note: There are recommended courses on the pre-engineering website that you may want to take to supplement your other coursework to prepare you for an engineering perspective. (See General Engineering Curriculum Guide)

Pre-Engineering Website:
Direct Link: https://apps.carleton.edu/curricular/engineering/about/
Or through the physics department website:
https://apps.carleton.edu/curricular/physics/ > Resources > Pre-Professional Programs and Interdisciplinary Study
3-2/4-2/3-3 Program Requirements

1) Complete Carleton’s distribution Requirements
2) Complete a Major at Carleton (Typically: Physics, Math, Computer Science, or Chemistry)
3) Complete Washington University Requirements
   - Science & Math Course Pre-reqs in Math, Physics, Chemistry, Computer Science
   - Other courses required for certain engineering majors at Washington University
   - Humanities and Social Sciences courses (27 credits)
   - At least 162 credits with a C- or better
   - GPA Requirement: A GPA of 3.25/4.0 or better, both overall and in science and mathematics courses. Applicants that do not meet the GPA requirement are considered on a case-by-case basis
   - Students missing one of the required courses will be considered on a case-by-case basis
   - See the Washington University Curriculum Guide Available on the Pre-Engineering website for more detailed information on the coursework
     https://apps.carleton.edu/curricular/engineering/about/

For more information, please contact the engineering advisor to make an appointment:
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