Mechanical Engineering 2022-2023 Path to Calculus
mech.utah.edu/academics

MATH videos A, B, C, & D
ACT Math ≥ 28
SAT Math ≥ 650
AP Calc (AB or BC) ≥ 3
MATH 1050 & 1060
Accuplacer AAF ≥ 276

No

MATH videos A, B, & C
ACT Math ≥ 26
SAT Math ≥ 630
MATH 1050 (B or higher)
Accuplacer AAF ≥ 270

No

MATH videos A, B
ACT Math ≥ 24
SAT Math ≥ 580
Accuplacer AAF ≥ 250

No

ACT Math ≥ 23
SAT Math ≥ 570
Accuplacer AAF ≥ 245

No

ACT Math ≥ 18
SAT Math ≥ 470
Accuplacer QAF ≥ 245

No

MATH video A

Yes

Accuplacer AAF ≥ 263
MATH video C

Yes

Take MATH 1210^ (Traditional Calc I)
Or
MATH 1310 (Engineering Calc I)

Yes

Take MATH 1060 (Trigonometry)

No

Take MATH 1050 (College Algebra)

Yes

Take MATH 1010 (Intermediate Algebra)

Talk with your advisor about MATH 1215* (Calculus I with Trig)

Yes

Take MATH 1080 (Precalculus)

Yes

Take MATH 1060 (Trigonometry)

Talk with your advisor to see if it is a good fit for you.

^ Students who want to pursue a Computer Science degree or minor are advised to take MATH 1210 (Calculus I) in place of MATH 1310 (Engineering Calculus I)

Approximate Mapping of Calculus & PDEs Content Across Math Paths

<table>
<thead>
<tr>
<th>Traditional Math Path (17hrs*)</th>
<th>MATH 1210^ Calculus I 4hr</th>
<th>MATH 1220 Calculus II 4hr</th>
<th>MATH 2210 Calculus III 3hr</th>
<th>MATH 3150 PDEs 2hr</th>
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<tbody>
<tr>
<td>Engineering Math Path (16hrs*)</td>
<td>MATH 1310 Engineering Calc I 4hr</td>
<td>MATH 1320 Engineering Calc II 4hr</td>
<td>MATH 3140 Vector Calc/PDEs 4hr</td>
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<tr>
<td>Accelerated Engineering Math Path** (10hrs*)</td>
<td>MATH 1311 Accel Engin Calc I 4hr (Honors)</td>
<td>MATH 1321 Accel Engin Calc II 4hr (Honors)</td>
<td>MATH 3150 PDEs 2hr</td>
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* This is a pilot course with limited seating. Talk with your advisor to see if it is a good fit for you.

* Including MATH 2250 ODEs & Linear Algebra

** Requires AP Calc AB score of 4 or better or AP Calc BC score of 3 or better

^ Or MATH 1215