Budget Request: Expanding STEM Capacity ($7.6 million)

- Electrical Engineering
- Energy Science & Technology
- Pre-healthcare Pathways
## Pre-healthcare Tracks at Western:

<table>
<thead>
<tr>
<th>Program</th>
<th>Number of Students</th>
<th>2017 Acceptance Rate for WWU Applicants</th>
<th>2017 National Average Acceptance Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Medicine (MD/DO)</td>
<td>500</td>
<td>54%</td>
<td>38%</td>
</tr>
<tr>
<td>Pre-Pharmacy</td>
<td>80</td>
<td>94%</td>
<td>65%</td>
</tr>
<tr>
<td>Pre-Physical Therapy</td>
<td>150</td>
<td>47%</td>
<td>50%</td>
</tr>
<tr>
<td>Pre-Physician Assistant</td>
<td>120</td>
<td>42%</td>
<td>34%</td>
</tr>
<tr>
<td>Pre-Dentistry</td>
<td>50</td>
<td>31%</td>
<td>50%</td>
</tr>
<tr>
<td>Pre-Veterinary Medicine</td>
<td>65</td>
<td>60%</td>
<td>56%</td>
</tr>
<tr>
<td>Pre-Optometry</td>
<td>35</td>
<td>100%</td>
<td>68%</td>
</tr>
</tbody>
</table>
Problem: Increased demand for required courses in pre-healthcare pathways is limiting student access, which extends time-to-degree.

General Biology, Microbiology, Anatomy & Physiology (7 courses)
General Chemistry, Organic Chemistry, Biochemistry (8 courses)
Organic Chemistry
Bio-Chemistry
Anatomy & Physiology
Biology and Chemistry Program Majors
Transfer Students
Pre Health Science from other majors and Colleges
Success Indicators and Other Outcomes:

- Students from all programs (university wide) can plan and access courses in a proper sequence and at the appropriate time

- Maintain quality

- Access = opportunity (improving equity, inclusion and diversity)

- Solve big problem = solves many problems
Solution: Expand capacity

• WWU’s Pre-healthcare Expansion proposal will meet the critical demand for qualified healthcare professionals by expanding course offerings in Chemistry and Biology

• The proposal will also develop a new degree pathway for transfer students (BA in Biochemistry) that meets pre-medicine/dentistry/pharmacy requirements and shortens time-to-degree

• Proposal will yield 70 more pre-health and STEM graduates per year
Questions?