Hawaiʻi STEM Education Assets and Resource Clearinghouse (HI SEARCh)

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Interim Executive Vice President for Academic Affairs
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“55% of Hawai‘i’s working age adults to have a 2- or 4-year college degree by the year 2025.”

Source: NCHEMS & U.S. Census Bureau, American Community Survey, 1-year estimates, 2006 to 2012
UH STEM Degrees & Certificates

26.7% increase

Certificate  Associate  Baccalaureate  Master  Doctorate

2008-09: 1684  500  400  784  0
2009-10: 1674  500  400  784  0
2010-11: 1828  500  400  784  0
2011-12: 1998  500  400  784  0
2012-13: 2134  500  400  784  0
Closing the Gap in STEM Degrees & Certificates for Native Hawaiians

<table>
<thead>
<tr>
<th>Year</th>
<th>Certificate</th>
<th>Associate</th>
<th>Baccalaureate</th>
<th>Master</th>
<th>Doctorate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-09</td>
<td>12.53%</td>
<td>57.66%</td>
<td>26.71%</td>
<td>0.00%</td>
<td>3.17%</td>
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<tr>
<td>2009-10</td>
<td>13.32%</td>
<td>57.66%</td>
<td>26.71%</td>
<td>0.00%</td>
<td>3.17%</td>
</tr>
<tr>
<td>2010-11</td>
<td>14.99%</td>
<td>57.66%</td>
<td>26.71%</td>
<td>0.00%</td>
<td>3.17%</td>
</tr>
<tr>
<td>2011-12</td>
<td>14.56%</td>
<td>57.66%</td>
<td>26.71%</td>
<td>0.00%</td>
<td>3.17%</td>
</tr>
<tr>
<td>2012-13</td>
<td>16.26%</td>
<td>57.66%</td>
<td>26.71%</td>
<td>0.00%</td>
<td>3.17%</td>
</tr>
</tbody>
</table>
Associate of Science in Natural Science (ASNS)

- Board of Regents approved at all UH Community Colleges
  - Kapi‘olani – Fall 2007
  - Maui – Fall 2010
  - Leeward – Spring 2012
  - Hawai‘i, Honolulu, Kaua‘i & Windward – Fall 2013

- 60 Credits with concentrations in Biological Science, Life Science, Pre-Engineering and Pre-Computer Science

- Allows students to begin a STEM major at the UHCC’s
Associate of Science in Natural Science (ASNS)

- Designed to seamlessly transfer students to a four-year campus
- Provides a clearly articulated pathway for UH student transfer
- Automatic admission to four-year campuses
  - Pre-Engineering concentration allows entry to the College of Engineering
- 43 ASNS transfer students from Kapi‘olani CC and Leeward CC to the UHM College of Engineering
UH Pre-Engineering Consortium

Goal: assist and promote the recruitment, retention and graduation of engineering students across the UH System

- Increased opportunities for funding: NSF Funding for Pre-Engineering Education Collaboration (PEEC/‘IKE)
- Increased dialog on articulation and transfer
- Improved course and curriculum planning and discipline forecasting
- Integration of recruitment and retention strategies for engineering
Mahalo!