National Environmental Health Science and Protection Accreditation Council (EHAC)

2020-2021 Annual Update Survey Report

EHAC Executive Director:

Leslie D. Mitchell
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Accredited Degree Program Growth and Attrition
• Steady growth in the number of accredited Undergraduate (UG) and Graduate (G) Degree Programs has leveled since 2015, with a current total of 37 EHAC Accredited Degree Programs (28 Undergraduate and nine Graduate Degree Programs).
• A total of 58 UG and G Degree Programs have acquired accreditation.

Undergraduate and Graduate Enrollment
• UG enrollment decreased from 2019-2020 to 2020-2021.
• Graduate enrollment continued to decline from a high point of 454, in 2016-2017.

Undergraduate and Graduate Graduation Rates
• UG graduation rates have remained steady throughout the last fifteen years, with an average of 338 graduates per year.
• Graduate graduation rates have increased steadily with a peak in 2016-2017. However, since 2017 Master’s level graduate numbers have declined.

Undergraduate and Graduate Retention Rates
• The 13-year (2008-2021) average retention rate for UG students is 26%.
• The 13-year (2008-2021) average retention rate for Graduate students is 33%.

Undergraduate and Graduate On-Campus Recruitment Techniques
• UG Degree Programs again reported more on-campus recruitment success with face-to-face tools in 2020-2021.
• Graduate Degree Programs also experienced success with face-to-face tools, as well as Facebook interactions in 2020-2021.

Undergraduate and Graduate Off-Campus Recruitment Techniques
• UG Degree Programs continued to have the most success recruiting students off-campus by participating in local events, using alumni recruiters and presenting to high school students. Use of News Media and Facebook posts gained traction in this year’s survey, as well.
• Graduate Degree Programs found the most success for off-campus recruiting via person-to-person contact, use of alumni networking, and posting to Facebook.
EHAC Accredited Programs – 2020-2021:

- 37 Total Undergraduate and Graduate Degree Programs
  - 28 Undergraduate Degree Programs
  - 9 Graduate Degree Programs

<table>
<thead>
<tr>
<th>Institution</th>
<th>EHAC Accredited Undergraduate/Graduate Degree Program</th>
<th>Next Recertification Review - Year</th>
<th>Initial Accreditation Date - Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Baylor University</td>
<td>Undergraduate</td>
<td>2022</td>
<td>2010</td>
</tr>
<tr>
<td>2 Benedict College</td>
<td>Undergraduate</td>
<td>2022 (granted a one-year extension - 2023)</td>
<td>2004</td>
</tr>
<tr>
<td>3 Boise State University</td>
<td>Undergraduate</td>
<td>2024</td>
<td>1982</td>
</tr>
<tr>
<td>4 California State University, Northridge</td>
<td>Undergraduate</td>
<td>2026</td>
<td>1979</td>
</tr>
<tr>
<td>5 California State University, Northridge</td>
<td>Graduate</td>
<td>2026</td>
<td>1973</td>
</tr>
<tr>
<td>6 California State University at San Bernardino</td>
<td>Undergraduate</td>
<td>2025</td>
<td>2004</td>
</tr>
<tr>
<td>7 Central Michigan University</td>
<td>Undergraduate</td>
<td>2025</td>
<td>2013</td>
</tr>
<tr>
<td>8 Colorado State University</td>
<td>Undergraduate</td>
<td>2022</td>
<td>1973</td>
</tr>
<tr>
<td>9 East Carolina University</td>
<td>Undergraduate</td>
<td>2024</td>
<td>1974</td>
</tr>
<tr>
<td>10 East Carolina University</td>
<td>Graduate</td>
<td>1981</td>
<td></td>
</tr>
<tr>
<td>11 East Central University, Oklahoma</td>
<td>Undergraduate</td>
<td>Reassess in 2022</td>
<td>1975</td>
</tr>
<tr>
<td>12 East Tennessee State University</td>
<td>Undergraduate</td>
<td>2024</td>
<td>1969</td>
</tr>
<tr>
<td>13 East Tennessee State University</td>
<td>Graduate</td>
<td>2024</td>
<td>1977</td>
</tr>
<tr>
<td>14 Eastern Kentucky University</td>
<td>Undergraduate</td>
<td>2024</td>
<td>1985</td>
</tr>
<tr>
<td>15 Eastern Kentucky University</td>
<td>Graduate</td>
<td>2024</td>
<td>2012</td>
</tr>
<tr>
<td>16 Fort Valley State University</td>
<td>Graduate</td>
<td>2021</td>
<td>2015</td>
</tr>
<tr>
<td>17 Illinois State University</td>
<td>Undergraduate</td>
<td>2025</td>
<td>1977</td>
</tr>
<tr>
<td>18 Indiana University-Purdue University Indianapolis</td>
<td>Undergraduate</td>
<td>2025</td>
<td>2006</td>
</tr>
<tr>
<td>19 Mississippi Valley State University</td>
<td>Undergraduate</td>
<td>2022 (granted a one-year extension - 2023)</td>
<td>1997</td>
</tr>
<tr>
<td>20 Mississippi Valley State University</td>
<td>Graduate</td>
<td>2024</td>
<td>2005</td>
</tr>
<tr>
<td>21 Missouri Southern State University</td>
<td>Undergraduate</td>
<td>2026</td>
<td>1996</td>
</tr>
<tr>
<td>22 Montana State University</td>
<td>Undergraduate</td>
<td>2025</td>
<td>2019</td>
</tr>
<tr>
<td>23 North Carolina Central University</td>
<td>Undergraduate</td>
<td>2023</td>
<td>2017</td>
</tr>
<tr>
<td>24 Ohio University</td>
<td>Undergraduate</td>
<td>2022</td>
<td>1992</td>
</tr>
<tr>
<td>25 Old Dominion University</td>
<td>Undergraduate</td>
<td>2026</td>
<td>1983</td>
</tr>
<tr>
<td>26 State University of New York, School of</td>
<td>Undergraduate</td>
<td>2026</td>
<td>2011</td>
</tr>
<tr>
<td>Environmental Science and Forestry</td>
<td></td>
<td></td>
<td>2017</td>
</tr>
<tr>
<td>27 Texas Southern University</td>
<td>Undergraduate</td>
<td>2025</td>
<td>2006</td>
</tr>
<tr>
<td>28 University of Findlay</td>
<td>Undergraduate</td>
<td>2024</td>
<td>2012</td>
</tr>
<tr>
<td>29 University of Findlay</td>
<td>Graduate</td>
<td>2024</td>
<td>2005</td>
</tr>
<tr>
<td>30 University of Georgia, Athens</td>
<td>Undergraduate</td>
<td>2024</td>
<td>1984</td>
</tr>
<tr>
<td>31 University of Illinois, Springfield</td>
<td>Graduate</td>
<td>2024</td>
<td>2006</td>
</tr>
<tr>
<td>32 University of Washington</td>
<td>Undergraduate</td>
<td>2023</td>
<td>1976</td>
</tr>
<tr>
<td>33 University of Wisconsin Eau Claire</td>
<td>Undergraduate</td>
<td>2023</td>
<td>1975</td>
</tr>
<tr>
<td>34 University of Wisconsin Oshkosh</td>
<td>Undergraduate</td>
<td>2025</td>
<td>2013</td>
</tr>
<tr>
<td>35 West Chester University</td>
<td>Undergraduate</td>
<td>2026</td>
<td>2008</td>
</tr>
<tr>
<td>36 Western Carolina University</td>
<td>Undergraduate</td>
<td>2023</td>
<td>1984</td>
</tr>
<tr>
<td>37 Western Kentucky University</td>
<td>Graduate</td>
<td>2025</td>
<td>2019</td>
</tr>
</tbody>
</table>
Total Number of Accredited Undergraduate and Graduate Programs from 1969-2021
EHAC
Annual Update Survey Report: Faculty Trends
EHAC
Annual Update Survey Report:
Faculty Experience and Positions
EHAC - Annual Update Survey Report: Undergraduate Faculty Levels of EH Practical Experience from 2011-12 to 2020-21
EHAC - Annual Update Survey Report: Minimum Required Degree for Full Time Undergraduate Faculty from 2011-12 to 2020-21

The diagram illustrates the percentage of programs requiring terminal degrees for full-time undergraduate faculty from 2011-12 to 2020-21. The data is broken down into three categories:

- **Terminal Degree Required**
- **Terminal Degree NOT Required**
- **Terminal Degree Required Only for Tenured Track**

The percentage of programs requiring a terminal degree in each year is as follows:

- **2011-2012**: 60%
- **2012-2013**: 50%
- **2013-2014**: 60%
- **2014-2015**: 50%
- **2015-2016**: 40%
- **2016-2017**: 90%
- **2017-2018**: 80%
- **2018-2019**: 70%
- **2019-2020**: 100%
- **2020-2021**: 80%

The data shows a trend where the percentage of programs requiring terminal degrees has increased over the years, with a significant rise in 2016-2017 and 2019-2020.
EHAC - Annual Update Survey Report: Minimum Required Degree for Full Time Graduate Faculty from 2011-12 to 2020-21

[Bar chart showing the percentage of programs requiring terminal degree, requiring terminal degree only for tenured track, and not requiring terminal degree over the years from 2011-12 to 2020-21.]
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Annual Update Survey Report: Faculty Diversity
EHAC - Annual Update Survey Report: Faculty Diversity Trends at Graduate Programs from 2011-12 to 2020-21

![Graph showing faculty diversity trends from 2011-12 to 2020-21 for various racial categories, including Hispanic, Alaskan, Asian, African American, Native, and Other/more than 2 races. The graph indicates lack of sufficient data in certain years and regions.]
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Annual Update Survey Report: Faculty Gender
EHAC - Annual Update Survey Report: Undergraduate and Graduate Faculty Gender Distribution from 2011-12 to 2020-21
EHAC
Annual Update Survey Report: Students
EHAC
Annual Update Survey Report:
Student Enrollment and
Graduation Trends
EHAC - Annual Update Survey Report: Undergraduate Enrollment Trends and Graduation Rates from 2006-07 to 2020-21

![Graph showing enrollment and graduation rates from 2006-07 to 2020-21. The graph displays the number of undergraduates enrolled and graduated each year, with a peak in 2012-2013 and a decline from 2017 onwards.]
EHAC - Annual Update Survey Report: Graduate and Enrollment Trends and Graduation Rates from 2006-07 to 2020-21
EHAC
Annual Update Survey Report:
Student Diversity
EHAC - Annual Update Survey Report: Undergraduate Student Diversity Trends from 2011-12 to 2020-21
EHAC - Annual Update Survey Report: Graduate Student Diversity Trends from 2011-12 to 2020-21

Number of Students

- Alaska Native or Native American
- Asian
- Hispanic or Latino
- Native Hawaiian or Other Pacific Islander
- Black or African American
- Other/Not Available
- More than two races
EHAC - Annual Update Survey Report: Diversity of Undergraduate and Graduate Students from 2007-08 to 2020-21
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Annual Update Survey Report: Student Gender
EHAC - Annual Update Survey Report: Undergraduate Gender Distribution Trends from 2011-12 to 2020-21
EHAC - Annual Update Survey Report: Graduate Gender Distribution Trends from 2011-12 to 2020-21

The diagram shows the number of students for each year from 2011-12 to 2020-21, distinguishing between male and female graduates. The data is as follows:

- **2011-2012**: Male 131, Female 114
- **2012-2013**: Male 112, Female 119
- **2013-2014**: Male 107, Female 154
- **2014-2015**: Male 168, Female 121
- **2015-2016**: Male 244, Female 222
- **2016-2017**: Male 151, Female 145
- **2017-2018**: Male 171, Female 171
- **2018-2019**: Male 244, Female 219
- **2019-2020**: Male 163, Female 181
- **2020-2021**: Male 107, Female 94

The data indicates a fluctuation in the number of male and female graduates each year.
EHAC - Annual Update Survey Report: Undergraduate and Graduate Gender Distribution Trends from 2011-12 to 2020-21
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Annual Update Survey Report: Student Age
EHAC - Annual Update Survey Report: Undergraduate Age Distribution Trends from 2011-12 to 2020-21
EHAC - Annual Update Survey Report: Graduate Age Distribution Trends from 2011-12 to 2020-21
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Annual Update Survey Report: International Students
EHAC - Annual Update Survey Report: Undergraduate and Graduate International Students Numbers from 2011-12 to 2020-21

![Bar chart showing the number of undergraduate and graduate international students from 2011-2012 to 2020-2021.](chart.png)
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Annual Update Survey Report: Employment
EHAC - Annual Update Survey Report: Undergraduate Program Director Job Outlook Observations from 2020-2021

- **Increasing**: 53.57%
- **Decreasing**: 3.57%
- **No Change**: 42.86%
- **Changing**: 0.00%
EHAC - Annual Update Survey Report: Undergraduate and Graduate Job Distribution - Public vs. Private - 2020-2021

UG Students (N 163) and Graduate Students (N 81)

- Undergraduate:
  - Private Sector: 62%
  - Public Sector: 38%

- Graduate:
  - Private Sector: 54%
  - Public Sector: 46%
EHAC - Annual Update Survey Report: Undergraduate Job Sector Distribution from 2010-11 to 2020-21
EHAC - Annual Update Survey Report: Graduate Job Sector Distribution from 2010-11 to 2020-21

The chart shows the percentage distribution of students across different job sectors from 2010-2011 to 2020-2021. The sectors include Private, Public, NGO, Higher Ed., and Research. Each bar represents a year, and the color indicates the sector. The percentage is indicated on the y-axis, which ranges from 0% to 70%.
Undergraduates and Graduate Students (N 62 and N 37) Distribution by Sector

- **Federal**
  - Undergraduates: 20%
  - Graduates: 15%

- **State**
  - Undergraduates: 30%
  - Graduates: 10%

- **Local**
  - Undergraduates: 35%
  - Graduates: 30%

- **Tribal**
  - Undergraduates: 5%
  - Graduates: 10%
EHAC - Annual Update Survey Report: Undergraduate Job Distribution Trends from 2010-11 to 2020-21 - Public Sector

![Graph showing job distribution trends from 2010-11 to 2020-21 for different sectors: Federal, State, Local, and Tribal.]
EHAC - Annual Update Survey Report: Graduate Job Distribution
Trends from 2010-2011 to 2020-21 - Public Sector

[Bar chart showing the percentage of students in each sector from 2010-2011 to 2020-21. The sectors include Federal, State, Local, and Tribal.]
Public Sector Job Areas Where UG Students (N 101) and Graduate Students (N 44) are Employed - 2020-2021

- Consulting
- Food Safety
- Water Quality
- Air Pollution
- Solid and/or HAZMAT
- Toxicology
- Occ. Health and Safety
- Industrial Hygiene
- Climate Wise/Sustainability
- Academia
- Research

% of Students

Undergraduate
Graduate
EHAC
Annual Update Survey Report:
Programs
EHAC
Annual Update Survey Report: Program Health
Ten Year Trend of Program Director Assessment of Undergraduate Administration's Enrollment Concern

- Concerned
- Not Concerned
- Unsure

Ten Year Trend of Undergraduate Program Director's Enrollment Concern

- Concerned
- Not Concerned
- Unsure
EHAC - Annual Update Survey Report: Undergraduate and Graduate Enrollment Concern

Ten Year Trend of Program Director Assessment of Graduate Administration's Enrollment Concern

Ten Year Trend of Graduate Program Director's Enrollment Concern
EHAC - Annual Update Survey Report: Undergraduate and Graduate Program Closure Concern

Ten Year Trend in Undergraduate Program Director Concern for Potential Program Closure

Ten Year Trend in Graduate Program Director Concern for Potential Program Closure
EHAC - Annual Update Survey Report: Undergraduate and Graduate Program Director Program Health Estimates

Ten Year Trends of Program Director Estimates of Overall Undergraduate Program Health

Ten Year Trends of Program Director Estimates of Overall Graduate Program Health
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Annual Update Survey Report:
Recruitment Tools - On and Off Campus
EHAC - Annual Update Survey Report: Undergraduate and Graduate Off Campus Recruitment Tools from 2020-2021

- Science Fairs
- Participation in Local Events
- Participation in career day events
- News Media
- Person to Person
- High school class presentations
- Email
- Community-University Partnerships
- Alumni
- Snapchat
- Instagram
- Twitter
- Facebook
- YouTube

- Graduate
- Undergraduate
EHAC - Annual Update Survey Report: Undergraduate and Graduate Programs - Most Effective On/Off Campus Recruitment Tools from 2020-2021

- Educating University Advisors about our Major
- Science Fairs
- Participation in Local Events
- Participation in career day events
- News Media
- Person to Person
- High school class presentations
- Email
- Community-University Partnerships
- Alumni
- Snapchat
- Instagram
- Twitter
- Facebook
- You Tube

Graduate
Ungraduate
EHAC
Annual Update Survey Report: Online Degree and Course Offerings and Exit Exams
### Annual Update Survey Report: Undergraduate and Graduate Programs Conducting Exit Exams from 2011-12 to 2020-21

<table>
<thead>
<tr>
<th>Year</th>
<th>Undergraduate Programs</th>
<th>Graduate Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>2012-2013</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>2013-2014</td>
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<td>5</td>
</tr>
<tr>
<td>2014-2015</td>
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<tr>
<td>2015-2016</td>
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<td>2016-2017</td>
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<td>2017-2018</td>
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<td>6</td>
</tr>
<tr>
<td>2018-2019</td>
<td>7</td>
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<tr>
<td>2019-2020</td>
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</tr>
<tr>
<td>2020-2021</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

- **Undergraduate Programs**
- **Graduate Programs**
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Annual Update Survey Report:

END

Please contact Leslie Mitchell at executive.director@nehspac.org with any questions