Critical Thinking
You define and analyze problems; identify factors that contribute to outcomes; recognize patterns and analyze connections to use them to make informed decisions and conclusions.

Problem Solving
You solve quantitative and qualitative problems proficiently in a broad range of areas.

Computational & Data Analysis
You collect and organize quantitative and qualitative data, test scientific hypotheses using these data and learn how to properly interpret statistical analysis.

Data Modeling
You build and interpret mathematical models for natural phenomena.

Teamwork
You build and maintain collaborative relationships with mathematicians, physical scientists, and engineers to work effectively to solve STEM problems.

Experimental Design & Measurement
You are able to design experiments to explore hypotheses and scientific, engineering, or technological problems, answer specific questions, properly use standard and specialized instrumentation to make measurements and quantitatively estimate the reliability of results.

Supplement Your Skills With:

Gain Experience:
Research, Internships, Part-Time Work & Data Competitions

Ethical Conduct in Data Analysis & Privacy

Career & Self Development

Oral & Written Communication With the Public

Experience Fostering Professional Equity & Inclusion

Chart Your Path Forward
Activate Your Handshake Account for connections to jobs, internships, employer & alumni networking.

Explore Career Communities to discover a wide variety of fields where you can turn your degree into success.

Get Career & Internship Advising from SuccessWorks to make a plan, whether you’re a first-year student or about to graduate.

Get Started: successworks.wisc.edu
**Wisconsin**

**California**

**Illinois**

**Colorado**

**Other**

“I use my AMEP degree every day as a technical lead and project manager! Seeing how math, engineering, and physics all come together helps develop a foundation for understanding how a variety of diverse teams and components all come together, and how to ‘speak the language’ across multiple disciplines.”

*Andrew Dickerson, 2017*

Satellite Systems Engineer Staff
Mult Func Engineering & Science Associate Manager,
Lockheed Martin Space
Springfield, VA

“The broad experience gained in the AMEP program enables me to better understand complex systems every day. Math, engineering, and physics are so interrelated that having a background in each makes you a much stronger candidate, no matter which of the three topics your career focuses on.”

*Eric Hestekin, 2014*

Systems Engineer, Boeing
Seattle, WA

---

**Put AMEP to WORK**

**Frequent Job Titles of Alumni:**
- Aerospace Engineer
- Business Owner
- Chief Executive Officer
- Data Scientist
- Director
- Electrical Engineer
- Engineering & Development Director
- Founder
- Principal Engineer
- Professor
- Senior Advisor
- Software Engineer
- Technical Account Manager

**Top Employers of Alumni:**
- Amazon
- Apple
- Berkeley Lab
- Boston Scientific
- CDW
- Collins Aerospace
- Columbia University (NY)
- Electronic Theatre Controls
- Epic
- Esker Inc.
- Exact Sciences
- Expedia Group
- GE Healthcare
- Google
- Lockheed Martin
- Microsoft
- NASA
- Phoenix, LLC
- University of Wisconsin
- University of Wisconsin-Madison

**Recent Grads’ Career Plans:**
- 53% Continuing Education or Grad School
- 41% Employment
- 6% Military Service

**Recent Grads’ Employment Sector:**
1. Aviation & Aerospace
2. Defense & Space
3. Engineering
4. Information Technology
5. Life Sciences
6. Manufacturing

**Where Alumni Live & Work:**
- 31% Wisconsin
- 15% California
- 8% Illinois
- 7% Colorado
- 39% Other

**Recent Grads’ Employment Sector:**

**Career Communities for AMEP**

SuccessWorks has eight Career Communities to connect you with career advising, resources, and programs. Here are a few suggestions on where AMEP students can start.

Not inspired by these options? Visit SuccessWorks to explore more widely.

- Technology, Data & Analytics
- Scientific Research & Development
- Government, Policy, International Affairs & Law
- Consulting, Finance, Management & Client Relations

successworks.wisc.edu