

GREATER MEMPHIS APPRENTICESHIP PATHWAY (GMAP) UOFM ENGINEERING APPRENTICESHIP PROGRAM (EAP)

OUR PROGRAM

The Southwest Tennessee Community College (SWTNCC) and the University of Memphis (UofM) established the Greater Memphis Apprenticeship Pathway (GMAP) program through support from the US Department of Labor. The UofM's Engineering Apprenticeship Program provides students with a unique experience that includes a new industry-engaged Transformative Technologies in Engineering course and work-based learning placements.

OUR GOALS

- Provide students with an experiential learning opportunity that allows them to develop cross-disciplinary knowledge and skills that will increase awareness of career pathways and prepare them for diverse career opportunities.



SHARON MEYER, CIVIL ENGINEERING MAJOR

- "This program is designed to help students explore career opportunities, collaborate with students of different engineering majors, and provides the opportunity to network with well-established professionals from various fields. If you've never had an internship or want to try something new, this program is for you. I didn't have a clear idea of what I wanted to use my degree for and as a senior, I was desperate to figure it out. Throughout the semester I discovered how much I enjoy research and development. As the semester progressed, I became more comfortable stepping out of the box and began paying attention to the guest speakers outside my major. This class helped me secure an internship as a front-end web developer for IMC Companies. As a civil engineering major, I never thought I would take an internship as a programmer! If you make the most of the EAP, you will be surprised with the connections you make and how much you can learn about yourself."



PAUL HOLMES, ENGINEERING TECHNOLOGY MAJOR

- "This program will open your mind to pathways and industries you didn't know existed. You will find new interests and be provided the opportunity to start a career in it!"



ROBERTO MARTINEZ, ELECTRICAL ENGINEERING MAJOR

- "The Transformative Technologies course was a great experience as we were able to listen to and connect with engineering professionals of various disciplines. They provided insightful advice and some even discussed the process they went through before their success. It made it all the more relatable and inspiring.

Thanks to EAP, I was offered an apprenticeship position with Mueller Industries. I ended up working at Mueller over the summer, and afterwards, they allowed me to continue on, even offering a full time position with all the benefits. The experience has been great, and I truly appreciate the opportunity brought through EAP!"



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Program Background

As technology continually transforms the landscape of work in transportation and university-level engineering programs face ongoing challenges with enrollment and retention, there is an urgent need to build collaborative partnerships between academia and industry to combat these issues. Traditional models of instruction often fail to demonstrate cutting-edge advances, societal impact of engineers, diverse career options for graduates, and the role of innovation in the 21st century workplace. This can lead to students becoming disengaged and failing to identify as a future engineering professional.

With these challenges in mind, the University of Memphis, in partnership with numerous industry and professional organizations, developed an Engineering Apprenticeship Program (EAP). The goals of EAP are to help students become familiar with advanced technologies and their applications in varied settings, use strategies that foster entrepreneurial thinking and growth mindset, increase awareness of the multitude of career opportunities available to them, and recognize the value of different perspectives to innovation.

Program Model

- Transformative Technologies in Engineering course
- Paid work-based learning experience
- Industry-engaged course design
- Student placements tailored to company needs by program faculty

For more information:

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<https://www.memphis.edu/gmap/>

OUR ADVISORY TEAM



Greater Memphis
IT Council

