



# Proposal for a BS degree in Computer Engineering

Department of Electrical Engineering and  
Computer Science



# Need for Program

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- Bureau of Labor and Statistics reports growth for Computer Engineering jobs
- Unmet demand for Computer Engineering graduates
- Our Industrial Advisory Council consisting of employers in southeastern Wisconsin recommends the development of this program
- Better serves current UWM students interested in Computer Engineering



# Fit with Mission

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- Supports UWM mission to develop high quality programs and to prepare the future workforce in Wisconsin
- Consistent with the college strategic planning initiative to provide world class education with a focus on the economic development of the industry in southeastern Wisconsin



# Program Description

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- A 126-credit program meets IEEE/ACM curriculum guidelines
- Will seek ABET program evaluation and accreditation
- Program uses a combination of current courses in Computer Science and Electrical Engineering



# Responds to Diversity Needs

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- 48% faculty of color and 11.1% women faculty
  - Efforts under way to recruit more women faculty
- Minority and women student recruitment, retention and success strategies include
  - Collaboration with Milwaukee Project Lead the Way for recruitment from MPS schools
  - Scholarship programs
  - UWM's Access to Success programs
  - Mentoring through peer/faculty mentoring, NSBE, SHPE, SWE, and MentorNet



# Fit with Department Strength

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- Department has 27 faculty with research and technical interests in Computer Engineering
- Current resources (courses and laboratories) in Electrical Engineering and Computer Science programs will be shared
- Extramural research grants provide undergraduate research opportunities



Questions?

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