MULTIDISCIPLINARY DESIGN MINOR
COLLABORATIVE ENGINEERING PROJECTS FOR AMBITIOUS U-M UNDERGRADUATES

BUILD A STRONG FOUNDATION
An Introductory DBT experience begins the MD Minor. With this experience under your belt, you’ll be able to handle the greater challenges ahead!

PROFESSIONAL PRACTICE ON CAMPUS
The heart of your MD Minor is the Multi-Term Design Project. An intense, collaborative and hands-on experience that builds skills and challenges you to grow. The project spans two terms or more and includes Scoping > Design > Build > Test.

EXPLORE & CONNECT
We encourage learning outside of your major. A Cornerstone Course will broaden your experience so you can contribute unique skills to the project.

SHARE YOUR KNOWLEDGE
Solidify what you learned by teaching others with Peer Mentorship/Leadership.

WHAT YOU NEED TO KNOW
The MD Minor requires 15 credit hours that are earned across four key experiences, tailored to your interests and ambitions. Many different courses can be used to satisfy the four core components.

- **Introductory Design, Build, Test Experience**
  To build a strong engineering design foundation, your first course for the minor includes a complete Design Cycle and is at least 2 credit hours. Engineering 100 is the most common course which meets this requirement. Please consult with us for alternative options if needed.
  - **Credit Hours:** minimum 2 credits
  - **When to take this course:** Before or as you begin the MD Minor

- **Multi-Term Design Project**
  Connect with a project you’re passionate about through student organizations, the MDP Project Fair, extended class projects, or even a student-led invention. Projects must 1) include a complete Design Cycle (Design, Build, Test, and Review), 2) engage a team of students from at least three separate disciplines, and 3) extend across two or more terms.
  - **Credits Hours:** minimum of 7 credits across two terms
  - **Getting started:** The Project Scoping Exercise is a written document to the Multidisciplinary Program outlining project objectives, strategy for obtaining the objectives, and how you intend to contribute your expertise to the project.
  - **Additional requirements:** A formal design review or report is required each term.

- **Cornerstone Course**
  This course broadens your perspective and lends depth to your work on the Multi-Term Design Project. A qualifying Cornerstone Course is one that provides relevant preparation for your Multi-Term Design Project and is not required for your major. It facilitates or enhances your work or role on the team.
  - **Credit Hours:** minimum 3 credits
  - **Key Factor:** Your cornerstone course should support the work you are doing on your Multi-Term Design Project, and must not be a core requirement for your major.
  - **When to take this course:** Before or during the Multi-Term Design project

- **Peer Mentorship/Leadership**
  Transfer your design skills and knowledge to your team or another student population, and further develop your leadership skills. Occurs within your multi-term project team, another design-focused student organization, or in a local, community-based setting.
  - **Credits Hours:** minimum of 2 credits, across one or two terms
  - **When to take this course:** After your Multi-Term Design Project

Questions? Please contact the Multidisciplinary Design Program Team:
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