



HLC Accreditation 2020-2021

Evidence Document

Academic Affairs

College of Innovation & Design

College of Innovation and Design Website

Additional information: See this website on the Web:

https://www.wichita.edu/academics/institute_for_interdisciplinary_innovation/index.php
(Accessed March 7, 2021)

When we say innovation, we mean it. Our students come from various disciplines with different strengths and weaknesses—but all have a passion for creativity, collaboration and having fun. We help support a rich campus innovation culture, connecting students and campus organizations with resources and serving as a place for the community to gather and exchange ideas.



Master of Innovation Design

The Master of Innovation Design (MID) degree program merges arts, science and technology courses, creating opportunities for student/faculty collaboration across WSU's colleges. The program is tailored for each student, helping them develop their "design thinking skills" including their ability to:

- Develop creative solutions
- Communicate effectively
- Practice entrepreneurship
- Develop prototypes



Leadership Certificate

The undergraduate leadership certificate comprises 12 credit hours of courses chosen from across many disciplines. Upon completion of the leadership certificate, students are able to:

1. Identify leadership theories and concepts;
2. Differentiate leadership practices across settings, organizations, disciplines and systems;
3. Identify cultural strengths and differences through a leadership framework;
4. Develop leadership skills based on personal strengths and professional interests; and
5. Lead individuals in teamwork exercises.



Sustainability in Innovation

Looking at sustainability through a holistic lens, the College of Innovation and Design invests in the enhanced management of our social, environmental, economic, and cultural resources so they may last for generations.

Where we excel:

- Innovation life cycle
- Change management
- Sustainable business development
- Social mobility
- Regional land use
- Environment and energy

Questions?

Email the College of Innovation and Design →

Our Unique approach



Building a Team

The College of Innovation and Design is a unique development and design environment. It starts with a carefully selected group of students from different areas of expertise who have great ideas and the tenacity to make them real.



The Collaborative Process

Our teams seek to harness the power of diverse perspectives, passion, and conflict — supported by access to incredible facilities and resources — to refine students' ideas and work toward beautiful and lasting solutions



Elevated Understanding

By the end of their two years in the program, those who complete the journey will have an elevated understanding of leadership, collaboration, and the intricacies of ideation, gaining a highly marketable creative confidence, and lifelong friends in the process.



We take the 'whole person approach'

The College of Innovation and Design (CID) involves partnerships between all of WSU's degree granting Colleges. We admit students with various backgrounds, but most are very strong in a specific area, such as tech, manufacturing, or design. We team them in diverse groups to strengthen their adaptability to the demands of the everchanging workforce.

The process of innovation and design are taught and students learn to recognize opportunities. Curriculum focuses on innovation strategies and enhancing their skillsets of creativity, emotional intelligence, critical thinking, decision-making, communication, leadership, and embracing change.

The Masters of Innovation Design (MID) degree is 30 credit hours, typically spread over two years. 12 of the 30 credit hours can come from 'applied learning' or 'innovation in practice', which creates an opportunity for unique collaborations. We give credit for accomplishments – our own metric for student success. Their first semester is micromester format; courses are held in 4-week blocks, instead of typical 8 or 16 week semesters.

Our experiment-driven active learning approach creates structure and process to the chaos that characterizes the early stages of creative pursuits and startups. The curriculum currently has three required courses and the remainder of the program is individualized to assist the student develop as an innovator in their specified area. Students can work with faculty they have identified that can further develop their strengths or weaknesses. They are encouraged to take advantage of the expertise and resources available at Wichita State University to develop ideas and work to bring them to market. MID students also have the ability to work with one of the many research clusters on campus that have intellectual property based on faculty research.

Additionally, university faculty, local start-ups, and/or corporations have the opportunity to tap the MID talent to help bring their research to a stage that can be commercialized.

WSU's current model of Prescriptive Advising addresses how students will meet well-defined progress goals. Academic advisors frequently spend much of their time sorting out sequencing problems in a student's schedule instead of mentoring students or assisting them in areas where they are struggling. Our developmental advising model used in the MID Program helps students understand and articulate their talents, find what engages their passions, and discover what gives purpose to their lives. It leads to selection of majors and other academic offerings, choosing cocurricular and extracurricular activities that promote leadership development, and preparation for careers. Advising is aimed at personal development, therefore blending connections that are often the responsibility of faculty mentors, academic advisors, and career advisors and counselors.

It is worth noting, that in the sectors of funding agencies, offices of academic research, industry, and government there has always been general discussions and concerns about what is commonly referred to as the 'valley of death'. This is the period between discovery with research resources and development with existing commercialization resources. Companies across all industries have experimented with models to bridge this gap or reduce it. However, few academic programs have deliberately designed themselves to reside within the 'Gap' to potentially impact the number of successful concepts that can make it from the classroom to the market. The MID Program acts in this area and complements the Center for Entrepreneurship and the local/regional ventures ecosystem. As of now, we cannot determine the impact of the program on the 'valley of death' issue. We've had two graduating cohorts and although they had launched more than 10 companies, it is too early to measure whether an academic program can change the basin (depth of the curve) or reduce the time of the gap. This topic has sparked regional conversations amongst institutions. Dean Patterson has been invited to speak on this issue six times over the past year. Schools such as University of Wisconsin-Madison have already implemented similar programs and several others will launch in 2020. This has provided excellent recognition of our program and opened the door to future collaborations with regional institutions with similar goals, including the University of Chicago, Polsky Center for Entrepreneurship and Innovation who is interested in developing a student and/or project exchange program.



Student focus

We value the insights and aspirations of students and will work to develop an academic program that fits their individualized needs.



Interdisciplinary

More than just students from different academic disciplines, our program provides experiences with a range of industry opportunities.



Creative expression

We are committed to creating opportunities to develop skills of innovation. Students are encouraged to do things their own way.



We teach you how to think - not what to think.

All College of Innovation and Design courses are open to students from every academic college and discipline.

Course Name	Term	Credit Hours	Learn More
ID 300 - Design Thinking & Innovation	Full Semester	3	VIEW PAGE
ID 500(H) - Design Thinking Process	4 Weeks	1	VIEW PAGE
ID 501 - Design Thinking Facilitation	4 Weeks	1	VIEW PAGE
ID 502 - Design Thinking Implementation: Challenges 1	8 Weeks	2	VIEW PAGE
ID 503 - Introduction to Branding	4 Weeks	1	
ID 504 - Building a Brand Strategy	4 Weeks	1	
ID 505 - Design Thinking Implementation: Challenges 2	8 Weeks	2	VIEW PAGE
ID 509 - Applied Sustainability in Innovation	Full Semester	3	VIEW PAGE
ID 550 - Hacking for Defense (H4D)	Full Semester	3	VIEW PAGE
ID 705E - Product Development Process	Full Semester	2	
ID 705F - Optimizing Design	4 Weeks	1	
ID 705I - Intro to Crypto	8 Weeks	1	
ID 710 - Service Design Thinking	8 Weeks	2	VIEW PAGE
ID 720 - Sustainable Teams and Organizations	Full Semester	3	VIEW PAGE
ID 721 - Pitch to Presentation	8 Weeks	2	
ID 752 - Product, Service, & Process Prototyping	Full Semester	3	
ID 753 - Design: Intent vs Impact	Full Semester	3	

Innovation and Design Degree & Certificates



Masters of Innovation Design

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[LEARN MORE](#)



Interdisciplinary Leadership Certificate

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[LEARN MORE](#)



What You Hoped Education Would Be



Customized Curriculum

Each student will choose the path they want to take. From courses in core design and engineering skills, as well as design-thinking infused curriculum across campus.



Experimental Learning

Be part of an experiment-driven active learning approach that creates structure and process to the chaos that characterizes the early stages of creative pursuits.



Collaborative Culture

Our students come from various disciplines with different strengths and weaknesses; but all have a passion for creativity, collaboration, and having fun.



Exclusive Opportunities

Students have access to creative spaces like WIDGET and GoCreate, as well as leading industry professionals from our community and across the globe.

MID Curriculum at a Glance

To complete the Masters of Innovation Design degree, you must complete a total of 30 credit hours. Up to 6 hrs can come from Innovation in Practice and an additional 6 hrs can come from Project. You can also choose other graduate courses from disciplines across campus, not listed below.

Design Thinking



Prototyping



Blockchain



Independent Study



Branding



[VIEW ALL COLLEGE OF INNOVATION AND DESIGN COURSES](#)

Undergraduate Leadership Certificate

Goals

Upon completion of the Leadership Certificate, students will have gained contemporary leadership skills in order to effectively contribute more to their profession and community.

Objectives

Upon completion of the leadership certificate, students are able to:

1. Identify leadership theories and concepts;
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Curriculum

Students are required to complete 12 hours, and must take courses that cover objectives 1–5. These courses may include courses required for certain undergraduate degrees. However, either ID 301, Leadership is Essential Seminar; or HNRS 351, Survey of Leadership; is required to satisfy objective one. Additionally, honors students must select courses designated as honors courses. Some courses meet multiple objectives.

Leadership Certificate Checklist

In order for students to receive the leadership certificate, students must:

1. Complete 12 hours of leadership courses:
 - Course #1: ID 301, Leadership is Essential Seminar. Honors students take HNRS 351, Survey of Leadership
 - Course #2*
 - Course #3*
 - Course #4*
 - *Courses must meet Objectives 2 - 5.
2. Submit a portfolio (of selected class projects) to coordinator to be used for assessment purposes.
3. Complete exit reflection questions:
 - What were the main benefits (strengths) of the leadership certificate?
 - What strengths did you gain from the program?
 - What would you tell others about your experience?
 - How do you plan to use the skills learned in the leadership certificate in your future?

- How would you improve the leadership certificate program?
4. Watch video to learn more about the portfolio and exit reflection. [Watch video here.](#)

To submit your portfolio and exit reflection, you must be added to the Blackboard Leadership Certificate Organization. Contact the Office of Academic Affairs (978-3010) or email janis.hudson@wichita.edu to be added to the Blackboard Leadership Certificate Organization.



Solving National Security Issues

Hacking for Defense™ (H4D), a course designed for all undergraduate and graduate students from all disciplines and programs, takes an entrepreneurial, interdisciplinary approach to America's hardest national security challenges. You will be part of an interdisciplinary team to research, design, and propose a solution for a real national security challenge presented by one of the course's sponsors.

Learning Objective 1



Learning Objective 2



Learning Objective 4



Learning Objective 5

