BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY
INDUSTRIAL DESIGN & PRODUCT DEVELOPMENT TRACK

$77,030 **MEDIAN ANNUAL WAGE FOR INDUSTRIAL DESIGNERS**
U.S. Bureau of Labor Statistics, 2021

2700 **OPENINGS FOR INDUSTRIAL DESGINERS** are projected each year, on average.
U.S. Bureau of Labor Statistics

INNOVATE. DESIGN. TRANSFORM.

The Industrial Design and Product Development program focuses on equipping students with the knowledge and skills to create innovative, functional, and aesthetically pleasing products. This program integrates design thinking, technology, and market research to develop products that meet user needs while considering manufacturing processes, sustainability, and market trends.

This well-rounded degree can prepare you for jobs such as:

- *Product Designer*
- *Design Engineer*
- *Design Consultant*
- *CAD Specialist*
- *Prototype Developer*
- *User Experience (UX) Designer*
- *Packaging Designer*
- *Design Researcher*
- *Design Manager*

WHY INDUSTRIAL DESIGN & PRODUCT DEVELOPMENT?

- Creative Expression: The program provides opportunities for creative expression and encourages students to bring their innovative ideas to life through tangible product designs.
- Market Relevance: Industrial design and product development play a crucial role in creating competitive products that resonate with consumers in various industries.
- Design Thinking Approach: Students learn to empathize with users, identify their needs, and apply a human-centered approach to create meaningful and user-friendly products.
- Practical Skills: The program emphasizes hands-on learning, allowing students to gain practical skills in sketching, CAD modeling, prototyping, and testing product designs.
- Collaboration Opportunities: Industrial design often involves collaboration with engineers, marketers, and manufacturers, providing opportunities for interdisciplinary teamwork and networking.
- Industry Collaboration: Collaborations with industry partners provide opportunities for internships, industry projects, and networking, enhancing students' career prospects.

+ **WELL-ROUNDED CURRICULUM**

+ **DEDICATED AND HIGH QUALITY FACULTY**

+ **EXTENSIVE ENGAGEMENT OPPORTUNITIES**

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TOTAL MAJOR COURSEWORK: 71 HRS

REQUIRED CORE COURSEWORK: 53 HRS

CMG 2953 Statics and Strength of Materials
EGT 1303 Engineering Technology Applications
EGT 1323 Computers for Engineering Technology
EGT 1413 Introduction to Engineering Technology
EGT 2004G Materials Science and Evaluation
EGT 2043 Computer-Aided Engineering Drawing
EGT 2324 Electricity and Electronic Controls
EGT 2424 Manufacturing and Fabrication Processes
EGT 2773 Safety for Engineering Technology Professionals
EGT 3414 Engineering Technology Project Management
EGT 4503 Engineering Technology Cost Analysis
EGT 4704 Engineering Technology Capstone
EGT 4753 Lean Manufacturing
EGT 4843 Statistical Quality & Reliability
EGT 4943 Manufacturing Management
ODL 4835 Supervision in Organizations

INDUSTRIAL DESIGN & PRODUCT DEVELOPMENT: 18 HRS

EGT 3063 3D Modeling
EGT 3663 CNC & Rapid Prototyping
EGT 3703 Machine Design
EGT 4903 OSHA Certification for General Industry

+ SELECT 6 HOURS OF THE FOLLOWING:

DGT 1363 Graphics Technology
DGT 2123 Digital Photography
DGT 3313 3D Modeling for Digital Media
CIT 4843 Human Computer Interaction
EGT 4803 Plant Layout & Material Handling
EGT 3103 Robots & Control Systems
EGT 3763 Automation & Data Capture
TEC 4275 Internship. *Credits: 1 to 10*

EMPLOYMENT OF INDUSTRIAL DESIGNERS 3% IS PROJECTED TO GROW FROM 2021 TO 2031, *U.S. Bureau of Labor Statistics*

SUGGESTED 4-YEAR SEQUENCE

FALL	YEAR 1		SPRING	
EGT 1303	3	Fine Arts	3
EGT 1323	3	EGT 2043	3
EGT 1413	3	EGT 2004G	4
ENG 1001G	3	ENG 1002G	3
Humanities	3	Social & Behavioral	3
Total	15	Total	16

FALL	YEAR 2		SPRING	
EGT 2324	4	Social & Behavioral	3
CMG 2953	3	EGT 2424	4
EGT 2773	3	Social & Behavioral	3
CMN 1310G	3	Biological Science	3
Humanities/Fine Arts	3	Math	3
Total	16	Total	16

FALL	YEAR 3		SPRING	
ODL 4835	3	EGT 4503 *Odd years	3
EGT 3414	4	EGT 4753 *Odd years	3
EGT 3063 *Even years	3	EGT 4843	3
DGT 1363	3	EGT 3663 *Odd years	3
Elective	3	Elective	3
Total	16	Total	15

FALL	YEAR 4		SPRING	
EGT 4943	3	EGT 4704 * Even years	4
EGT 3763 * Odd years	3	EGT 3703 *Even years	3
Fine Arts	3	EGT 4903 *Even years	3
Elective	3	Elective	3
Elective	3		
Total	15	Total	13