

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY SAFETY & RISK MANAGEMENT TRACK



\$74,870 MEDIAN ANNUAL WAGE
FOR SAFETY SPECIALISTS

U.S. Bureau of Labor Statistics, 2021

132,400 NUMBER OF JOBS
IN 2021

U.S. Bureau of Labor Statistics

MITIGATING RISKS FOR A RESILIENT FUTURE

The Safety and Risk Management program is designed to equip students with the knowledge and skills necessary to identify, assess, and mitigate risks in various industries and occupational settings. This program focuses on developing proactive safety strategies and implementing effective risk management practices to ensure the well-being of workers, protect assets, and promote a culture of safety.

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

- Emergency Response Coordinator
- Loss Prevention Specialist
- Environmental Health and Safety (EHS) Coordinator
- Workplace Safety Trainer
- Operations Manager
- Safety Manager
- Risk Manager
- Occupational Health and Safety Specialist
- Safety Consultant
- Compliance Officer
- Safety Auditor

WHY SAFETY & RISK MANAGEMENT?

- Growing Demand: With increasing emphasis on worker safety and regulatory compliance, there is a growing demand for professionals skilled in safety and risk management across industries.
- Workplace Safety Focus: The program focuses on creating safe and healthy work environments, protecting workers from hazards, and minimizing the risk of accidents and injuries.
- Risk Mitigation Skills: Students gain practical skills in identifying, assessing, and mitigating risks, allowing them to contribute to the prevention of accidents and incidents in various settings.
- Career Versatility: Graduates can work in a wide range of industries, including manufacturing, construction, healthcare, oil and gas, transportation, and government agencies.
- Industry Relevance: The program incorporates industry best practices, case studies, and guest lectures, ensuring that graduates are prepared to tackle real-world safety challenges.
- 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

PROGRAM COORDINATOR

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BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY SAFETY & RISK MANAGEMENT TRACK

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

SAFETY & RISK MANAGEMENT: 18 HRS

- CMG 4023** Construction Risk Management
- CMG 4913** 30 Hour OSHA Certification for Construction
- EGT 3803** Engineering Technology Ergonomics
- EGT 4903** OSHA Certification for General Industry

+ SELECT 6 HOURS OF THE FOLLOWING:

- CMG 4413** Advanced Construction Safety
- EGT 4803** Plant Layout & Material Handling
- ODL 4825** Ethical Behavior in Organization
- TEC 4275** Internship. Credits: 1 to 10

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		
Math	3	Elective	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		
CMG 4913 *Even years	3	EGT 4843	3		
Fine Arts	3	CMG 4023 *Odd years	3		
Elective	3	Elective	3		
Total		16	Total		15

FALL		YEAR 4		SPRING	
EGT 4943	3	EGT 4704 * Even years	4		
EGT 3803 * Odd years	3	Humanities/Fine Arts	3		
CMG 4413 *Odd years	3	EGT 4803 *Even years	3		
Elective	3	EGT 4903 *Even years	3		
Elective	3				
Total		12	Total		13

EMPLOYMENT OF SAFETY SPECIALISTS IS PROJECTED TO GROW **5%** FROM 2021 TO 2031. U.S. Bureau of Labor Statistics

