

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

- + WELL-ROUNDED CURRICULUM
- + DEDICATED AND HIGH QUALITY FACULTY
- + EXTENSIVE ENGAGEMENT OPPORTUNITIES

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.

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

YEAR 1			
FALL		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
YEAR 2			
FALL		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
YEAR 3			
FALL		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
YEAR 4			
FALL		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			
Total	12	Total	13

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

