

Program Mission

To offer competitive higher education in Safety Engineering and Fire Protection within a supportive academic environment to prepare qualified Safety Engineering and Fire Protection specialists with vital employability skills, make research contributions, promote community engagement, and participate in realizing the Kingdom's Vision 2030

Program Goals

1. Improve the quality of teaching and learning experiences, the quality of learning resources, and the quality of basic facilities, equipment, and supporting infrastructure.
2. Provide support to students through the improvement of academic, social, psychological, and professional advising, counseling, and supportive services.
3. Enhancement of the performance of faculty members both professionally and academically.
4. Preparation of competent and qualified graduates with vital employability skills demanded in the labor market.
 - Enable graduates to demonstrate core knowledge in Engineering Management using essential technologies, and basic research skills.
 - Enhance students' critical thinking, problem-solving, communication and teamwork skills.
 - Improve students' awareness of ethical values, principles of professional conduct, independence, and autonomy.
5. Contribute to the field of Engineering Management through the production of quality research in alignment with OC and the program's research priorities.
6. Contribute to the local community through services, programs, and consultations.

Expected Career Opportunities for Graduates

For example:

- Safety Engineer.
- Safety Inspector.
- Risk Management Specialist.
- Safety Consultant
- Fire Investigator.
- Safety Trainer.
- Compliance Officer:.

And more.

Program Study Plan

Study Plan (36 Credit Hours)

First Year - First Semester		
Course Code	Course Name	L
SEF 610	Industrial and Operations Safety Engineering	3
SEF 611	Probability and Statistics for Safety Engineers	3
SEF 612	Fire and Explosion Hazard Recognition	3
Total Hours		9

First Year - Second Semester		
Course Code	Course Name	L
SEF 613	Fire Safety Risk Assessment	3
SEF 614	Fire Protection systems and Technology	3
SEF 615	Structural Design for Fire and Life Safety	3
Total Hours		9

Second Year - First Semester		
Course Code	Course Name	L
SEF 616	Advance Qualitative and Quantitative Risk Analysis	3
SEF 617	Fire Investigation and Root Cause Analysis	3
SEF 6XX	Elective Course (1)	3
Total Hours		9

Second Year - Second Semester		
Course Code	Course Name	L
SEF 622	Graduation Project	6
SEF 6XX	Elective Course (2)	3
Total Hours		9

Elective Courses		
Course Code	Course Name	L
SEF 618	Fire and Evacuation Modeling	3
SEF 619	Structural Fire Engineering	3
SEF 620	Safety in Specific Industries	3
SEF 621	Process Safety Management	3



Postgraduate Studies and Research



The Executive Master's Program in
**Safety Engineering
and Fire Protection**
(4 Semesters)

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