

On-job/on-campus (OJOC) M.S. degree curriculum

Department of Occupational Safety and Health

Educational goals:

1. Strengthen students' ability to think critically and communicate effectively,
2. Develop and participate in occupational safety and health research,
3. Foster the ability to apply theories and principles to real-world problems.

Department requirements:

1. The following curriculum applies to students who admitted to the DOSH on-job/on-campus (OJOC) M.S. degree program in Sept. 2021;
2. A minimum of 33 credits is required for completion of degree program, including 11 obligatory credits, 6 master thesis credits and 16 elective credits.

Obligatory course (17 credits):

Course name	Credit	Semester
Epidemiology (B)	3	1st
Occupational hygiene	2	1st
Seminar in occupational safety and health (I)	1	1st
Safety engineering	2	2nd
Seminar in occupational safety and health (II)	1	2nd
Seminar in occupational safety and health (III)	1	3rd
Seminar in occupational safety and health (IV)	1	4th
M.S. Thesis	6	4th
Total credits	17	

Elective courses (32 credits):

Course name	Credit	Semester
Environmental monitoring at workplace	2	1st
Chemical process safety	2	1st
Statistics	2	2nd
Engineering control of workplace environment	2	2nd
Physical & mental workload assessment	2	2nd
Occupational epidemiology	2	2nd
Applied Ergonomics	2	2nd
Indoor environmental quality	2	2nd
Fire & explosion prevention	2	3rd
Environmental planning and management	2	3rd
International Standard Certification	2	3rd
Occupational medicine & health management	2	3rd
Exposure assessment	2	4th
Personal protective equipment	2	4th
Risk assessment	2	4th
Industrial toxicology	2	4th
Total credits	32	