

2015 On-job/on-campus M.S. degree curriculum

Department of Occupational Safety and Health

Educational goals:

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

Department requirements:

1. The following curriculum applies to students who were admitted to the DOSH on-job/on-campus (OJOC) M.S. degree program in Sept. 2015;
2. A minimum of 32 credits is required for completion of degree program, including 12 obligatory credits, 6 thesis credits and 14 elective credits.

Obligatory course (18 credits):

Course name	Credit	Semester
Epidemiology (B)	3	1st
Occupational health	2	1st
Engineering control of workplace environment	2	2nd
Safety engineering	2	2nd
Thesis research (I)	1	2nd
Seminar in occupational safety and health	2	3rd
M.S. Thesis	6	4th
Total credits	18	

Elective courses (28 credits):

Course name	Credit	Semester
Statistics	2	1st
Environmental monitoring at workplace	2	1st
Chemical process safety	2	1st
Physical & mental workload assessment	2	1st
Occupational epidemiology	2	2nd
Applied Ergonomics	2	2nd
Exposure assessment	2	2nd
Fire & explosion prevention	2	3rd
Personal protective equipments	2	3rd
Environmental planning and management	2	3rd
Environmental & occupational medicine	2	3rd
Indoor environmental quality	2	3rd
Risk assessment	2	4th
International Standard Certification	2	4th
Total credits	28	