

Core Program Requirements for students enrolled in postgraduate programs in the School of Risk and Safety Sciences.

(Courses listed in **bold text** are confirmed to run at UNSW in Semester 2 2010)

Graduate Certificate in Safety Science (24 UOC)

Core Courses

- SAFE/SESC6010 Descriptive Statistics (3 UOC)
- SAFE/SESC6110 Physical Principles of Safety (3 UOC)**
- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC9201/6201 Safety Risk Management (6 UOC)**
- Elective (6 UOC)

Graduate Certificate in OHS Management (24 UOC)

Core Courses

- SAFE/SESC6010 Descriptive Statistics (3 UOC)
- SAFE/SESC6110 Physical Principles of Safety (3 UOC)**
- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC9201/6201 Safety Risk Management (6 UOC)**
- SESC9060 Principles of Safety, Health and Environmental Auditing (3 UOC)
- SAFE/SESC9340 OHS Management Systems (3 UOC)

Graduate Certificate in Transport Safety (24 UOC)

Core Courses

- SESC9211 Risk Management (6 UOC)
- AVIA5017 Human Factors for Transport Safety (6 UOC)
- SESC9060 Principles of Safety, Health and Environmental Auditing (3 UOC)
- ITSRR Rail Safety Auditing Course (recorded as 3 UOC transfer credit) (3 UOC)

Recommended Elective

- SESC8031/6031 Safety, Security, Health and Environmental Law (6 UOC)**

Graduate Certificate in Occupational Rehabilitation (24 UOC)

Core Courses (12 UOC)

- SAFE/SESC9620 Occupational Diseases and Injuries (3 UOC)
- SAFE/SESC9630 Occupational Medicine (3 UOC)
- SESC9651 Occupational Rehabilitation (6 UOC)[#]

Preferred Electives (12 UOC)

- SESC8031/6031 Safety, Security, Health and Environmental Law (6 UOC)
- SESC8071 Safety, Health and Environmental Epidemiology (6 UOC)
- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC9201/6201 Safety Risk Management (6 UOC)**

[#] Cross institutional course available at Newcastle University. *HLSC6102 Occupational Rehabilitation 1*
www.newcastle.edu.au/course/HLSC6102.html

Graduate Diploma in Safety Science (48 UOC) – admitted or transferred to BEFORE 2010

Fundamental Knowledge Courses (12 UOC)

- ANAT6151 Intro to Functional Anatomy (3 UOC)
- SAFE/SESC6010 Descriptive Statistics (3 UOC)
- SAFE/SESC6110 Physical Principles of Safety (3 UOC)**
- SESC6800 Fundamentals of Toxicology (3 UOC)

Core Courses (24 UOC)

- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC9201/6201 Safety Risk Management (6 UOC)**
- SAFE/SESC9301 Safety, Health and Environmental Risks (6 UOC)**
- SAFE/SESC9541 Assessment of the Workplace Environment (6 UOC)

Electives (12 UOC)

- 12 UOC of electives of your choice

Graduate Diploma in Safety Science (48 UOC) – admitted or transferred to IN 2010

Core Courses (36 UOC)

- SAFE/SESC6010 Descriptive Statistics (3 UOC)
- SAFE/SESC6110 Physical Principles of Safety (3 UOC)**
- SESC6031/8031 Safety, Security, Health and Environmental Law (6 UOC)
- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC9201/6021 Safety Risk Management (6 UOC)**
- SESC9411 Principles of Ergonomics (6 UOC)*
- SAFE/SESC9301 Safety, Health and Environmental Risks (6 UOC)**

Electives (12 UOC)

- 12 UOC of electives of your choice

* Cross institutional course offered in S2 at Monash University (*MPH2044 Ergonomic and Physical Hazards* <http://www.monash.edu.au/pubs/handbooks/units/MPH2044.html>) or replace with 6 UOC elective.

Master of Science and Technology in OHS (72 UOC) – admitted or transferred to BEFORE 2010

Fundamental Knowledge Courses (12 UOC)

- ANAT6151 Intro to Functional Anatomy (3 UOC)
- SAFE/SESC6010 Descriptive Statistics (3 UOC)
- SAFE/SESC6110 Physical Principles of Safety (3 UOC)**
- SESC6800 Fundamentals of Toxicology (3 UOC)

Core Courses (36 UOC)

- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC9201/6201 Safety Risk Management (6 UOC)**
- SAFE/SESC9301 Safety, Health and Environmental Risks (6 UOC)**
- SAFE/SESC9541 Assessment of the Workplace Environment (6 UOC)
- Project made up of one 12 UOC project or two 6 UOC project courses (12 UOC)

Electives (24 UOC)

- 12 UOC of electives of your choice

Master of Science in OHS (72 UOC) – admitted or transferred to IN 2010

Core Courses (42 UOC)

- SAFE/SESC6010 Descriptive Statistics (3 UOC)
- SAFE/SESC6110 Physical Principles of Safety (3 UOC)**
- SESC8031/6031 Safety, Security, Health and Environmental Law (6 UOC)**
- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC9201/6201 Safety Risk Management (6 UOC)**
- SAFE/SESC9301 Safety, Health and Environmental Risks (6 UOC)**
- SESC9411 Principles of Ergonomics (6 UOC)*
- SAFE/SESC9541 Assessment of the Workplace Environment (6 UOC)

Electives (36 UOC)

- 36 UOC of electives of your choice

* Cross institutional course offered in S2 at Monash University (*MPH2044 Ergonomic and Physical Hazards* <http://www.monash.edu.au/pubs/handbooks/units/MPH2044.html>) or replace with 6 UOC elective.

Master of Safety Science (96 UOC) – admitted or transferred to BEFORE 2010

Fundamental Knowledge Courses (12 UOC)

- ANAT6151 Intro to Functional Anatomy (3 UOC)
- SAFE/SESC6010 Descriptive Statistics (3 UOC)
- SAFE/SESC6110 Physical Principles of Safety (3 UOC)**
- SESC6800 Fundamentals of Toxicology (3 UOC)

Core Courses (42 UOC)

- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC9201/6201 Safety Risk Management (6 UOC)**
- SAFE/SESC9301 Safety, Health and Environmental Risks (6 UOC)**
- SAFE/SESC9541 Assessment of the Workplace Environment (6 UOC)
- SESC9751 Introduction to Environmental Science (6 UOC)**
- SAFE/SESC9912 Project (12 UOC)

Electives (42 UOC)

- 42 UOC of electives of your choice

Master of Safety Science (96 UOC) – admitted or transferred to IN 2010

Core Courses (60 UOC)

- SAFE/SESC6010 Descriptive Statistics (3 UOC)
- SAFE/SESC6110 Physical Principles of Safety (3 UOC)**
- SESC8031/6031 Safety, Security, Health and Environmental Law (6 UOC)**
- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC9201/6201 Safety Risk Management (6 UOC)**
- SAFE/SESC9301 Safety, Health and Environmental Risks (6 UOC)**
- SESC9411 Principles of Ergonomics (6 UOC)*
- SAFE/SESC9541 Assessment of the Workplace Environment (6 UOC)
- SESC9751 Introduction to Environmental Science (6 UOC)**
- SAFE/SESC9912 Project (12 UOC)

Electives (36 UOC)

- 36 UOC of electives of your choice

* Cross institutional course offered in S2 at Monash University (*MPH2044 Ergonomic and Physical Hazards* <http://www.monash.edu.au/pubs/handbooks/units/MPH2044.html>) or replace with 6 UOC elective.

Graduate Certificate in Safety, Health and Environment (24 UOC)

Core Courses (12 UOC)

- SESC8001/6001 Safety, Health and Environment (6 UOC)
- SESC8021/6021 Safety, Health and Environmental Hazards (6 UOC)

12 UOC chosen from

- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC8021/6021 Safety, Security, Health and Environmental Law (6 UOC)**
- SAFE/SESC9301 Safety, Health and Environmental Risks (6 UOC)**
- SESC9751 Introduction to Environmental Science (6 UOC)**

Graduate Diploma in Safety, Health and Environment (48 UOC)

Core Courses (36 UOC)

- SESC8001/6001 Safety, Health and Environment (6 UOC)
- SESC8021/6021 Safety, Health and Environmental Hazards (6 UOC)
- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC8021/6021 Safety, Security, Health and Environmental Law (6 UOC)**
- SAFE/SESC9301 Safety, Health and Environmental Risks (6 UOC)**
- SESC9751 Introduction to Environmental Science (6 UOC)**

Elective Courses (12 UOC)

- 12 UOC of electives of your choice

Master of Science in Safety, Health and Environment (72 UOC)

Core Courses (36 UOC)

- SESC8001/6001 Safety, Health and Environment (6 UOC)
- SESC8021/6021 Safety, Health and Environmental Hazards (6 UOC)
- SAFE/SESC9101 Occupational Health and Safety (6 UOC)
- SESC8021/6021 Safety, Security, Health and Environmental Law (6 UOC)**
- SAFE/SESC9301 Safety, Health and Environmental Risks (6 UOC)**
- SESC9751 Introduction to Environmental Science (6 UOC)**

Elective Courses (36 UOC)

- 36 UOC of electives of your choice

Graduate Diploma in Occupational Medicine (36 UOC)

Core Courses (18 UOC)

- SESC8071 Safety, Health and Environmental Epidemiology (6 UOC)
- SAFE/SESC9620 Occupational Diseases and Injuries (3 UOC)
- SAFE/SESC9630 Occupational Medicine (3 UOC)
- SESC9651 Occupational Rehabilitation (6 UOC)[#]

Elective Courses (18 UOC)

- 18 UOC of electives of your choice

Master of Science and Technology in Occupational Medicine (48 UOC)

Core Courses (18 UOC)

- SESC8071 Safety, Health and Environmental Epidemiology (6 UOC)
- SAFE/SESC9620 Occupational Diseases and Injuries (3 UOC)
- SAFE/SESC9630 Occupational Medicine (3 UOC)
- SESC9651 Occupational Rehabilitation (6 UOC)[#]

Elective Courses (30 UOC)

- 30 UOC of electives of your choice

This program is also an academic program run in conjunction with the Australasian Faculty of Occupational and Environmental Medicine (AFOEM) of the Royal Australasian College of Physicians for trainee physicians wishing to become Fellows of the Faculty. Additional core courses required by AFOEM for its occupational physician trainees are given in the list below.

AFOEM Additional Core Courses (21 UOC)

- SESC8031/6031 Safety, Security, Health and Environmental Law (6 UOC)**
- SESC9201/9201 Safety Risk Management (6 UOC)**
- SESC9411 Principles of Ergonomics (6 UOC)[^]
- SESC9810 Toxicology OR SESC9820 Chemical Safety and Toxicology (3 UOC)

[#] Cross institutional course available at Newcastle University. *HLSC6102 Occupational Rehabilitation 1*
www.newcastle.edu.au/course/HLSC6102.html

[^] Cross institutional course offered in S2 at Monash University. *MPH2044 Ergonomic and Physical Hazards*
<http://www.monash.edu.au/pubs/handbooks/units/MPH2044.html>

Graduate Certificate in Environmental Science (24 UOC)

Graduate Diploma in Environmental Science (36 UOC)

Master of Science and Technology in Environmental Science (48 UOC)

Core Course (6 UOC)

SESC9751 Introduction to Environmental Science (6 UOC)

Electives

Elective courses of your choice to fulfil UOC for your enrolled degree.

Semester 2, 2010 Deleted Courses

SESC/SAFE3601 Safety, Health and Environment Management Systems

SESC9091/6091 Safety, Health and Environmental Practice

SESC9121 Fire and Explosion

SESC9850/6850 Management of Dangerous Materials

SAFE/SESC9651 Occupational Rehabilitation

SESC9721 Environment and Medicine

SESC9761 Environmental Auditing