



# MSc Human Factors and System Safety

## When? Where?

- 2 years, part-time, 60 ECTS credits
- Mainly distance-based studies
- Programme start – January 2012

## ► PURPOSE

This MSc is for everybody who wants to expand their knowledge and practical skills for the safety challenges of the twenty-first century.

Its program offers you the latest thinking in the new view of human factors, accountability, accident models, and resilience engineering. The understanding of accidents, risk and safety is changing. We no longer see human error as cause, but as a symptom. We recognize the exciting possibilities of systems thinking for accident analysis and organizational improvement.

We are shifting from reliability to resilience and the enhancement of adaptive capacity. We look for new relationships between stakeholders to create forms of accountability that do not harm safety.



Lund University Faculty of Engineering is pleased to offer a complete Masters of Science programme for professionals and practitioners in Human Factors and System Safety. The programme starts with a week of intensive lectures and orientation in Lund, the rest you can do on-line, in two years. The MSc is concluded with a thesis. With no prior Bachelor's degree, you can still take the entire MSc program, and you will be rewarded a Testimonium upon completion



*My own impression is that there is a lot of talk about safety (and a number of programs out there teaching this stuff) but I haven't encountered a program so comprehensive and effective. The Lund approach is unique and important, since most of us have such deep-seated opinions and values around human error and failure. This is not just about learning some new 'information'...it requires a shift in one's thinking."*

Karen Cardiff, Department of Health Care and Epidemiology, University of BC, Vancouver

## ► PROGRAMME MODULES/COURSES

The new view of human factors & system safety (10 ECTS),  
The sociology of safety and accidents (10 ECTS),  
Accountability and learning from failure (10 ECTS),  
Forensic safety investigation & system change (15 ECTS),  
Thesis or Project work (15 ECTS)

## ► ADMISSION REQUIREMENTS

To qualify for the MSc degree, a previous Bachelor's Degree, approved by Lund University, is required. Those without a prior Bachelor's Degree are welcome to take the entire MSc programme for credit, and will be awarded a Testimonium upon completion.

The general admission requirements are as follows:

- a) A Bachelor of Science or Bachelor of Arts Degree (or equivalent) in an area relevant to the Master's programme in human factors and system safety.
- b) A good command of English language both spoken and written. For applicants who have completed higher secondary education in a Nordic country, or are native English speakers this could be verified by higher secondary education diploma/certificate (including English). For all other applicants a certificate of proficiency, such as IELTS or an equivalent, is desired but not required.

For example,

- an IELTS score of 6.0 (no less than 5.0 in any component) taken after January, 2000.
- a Cambridge/Oxford Certificate in Advanced English, or Certificate of Proficiency.



- O level/GCSE in English (minimum grade C).
- a TOEFL test result of at least 550 points (213 computer based; 79 Internet based).

The regulations in the general requirements concerning knowledge of the Swedish language are not applicable.



*I could not have asked for anything better. There is this personal teaching quality that reaches out, encourages, mentors and develops every one of us in this thinking process—and then goes even beyond that point. Thank you for the opportunity to study under your wings. It really is an honor and an unforgettable experience of a life time.”*

Norbert Belliveau, Civil Aviation Safety Inspector

#### ▶ TERMS AND CONDITIONS

The tuition fee for the entire program is 140.000 SEK. The fee will be separated into two invoices of 70.000 SEK that will be charged at the beginning of each of the two academic years. If the student decides to leave the program during an academic year, Lund University Faculty of Engineering, LTH does not pay a refund of the tuition fee for that academic year. If, during enrollment, the student decides to take up employment elsewhere, the employer signing will remain liable for covering the entire tuition fee for that academic year. The tuition fee does not include books or travel, room and board for the residential session(s) of the program. For more information about how to apply or payments, please contact Aexandra Hertz, Lund University Commissioned Education, phn +4646 222 07 07, +46722325262, e-mail alexandra.hertz@education.lu.se

Visit the program webpage for more information on the program;

**[www.leonardo.lth.se/education/master\\_s\\_program/](http://www.leonardo.lth.se/education/master_s_program/)**  
Programme contact person Johan Bergström,  
phn +46 46 288 45 06, Johan.Bergstrom@lucram.lu.se

#### ▶ HOW TO APPLY

The programme is run as commissioned education, meaning it is intended for employers who wish to send their employees for further education. As the commissioned education the application process is managed by Lund University Commissioned Education ([www.education.lu.se](http://www.education.lu.se)). The application window for the course starting 2012 will open in the autumn 2011. Application form is found on: **[www.leonardo.lth.se/](http://www.leonardo.lth.se/)**



For more information about how to apply or payments, please contact Aexandra Hertz, Lund University Commissioned Education, phn +4646 222 07 07, +46722325262,

e-mail: alexandra.hertz@education.lu.se

**Application deadline** is October 15, 2011

Visit the program webpage for more information on the program;

**[www.leonardo.lth.se/education/master\\_s\\_program/](http://www.leonardo.lth.se/education/master_s_program/)**

Programme contact person Johan Bergström,  
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e-mail: Johan.Bergstrom@lucram.lu.se



Lund University, Sweden, since 1666