

Risk and Safety M.Sc.

An interdisciplinary master from TUM



Risk and Safety M.Sc.

do we stop cascading effects? to balance costs and benefits? many safety exists should a tunnel have? do we ensure the safety of new materials? safe should a component of an aircraft be? to implement earthquake warning systems? often should we inspect a pipeline for damage? do we achieve acceptance of safety measures? to implement effective measures in a pandemic? do we find a good tradeoff between risk and safety? safe is it to operate a submarine with a gaming controller? do we ensure the safety of human lives in self-driven cars? should we adapt to more natural hazard due to climate change? can we communicate that there is no such thing as perfect safety?



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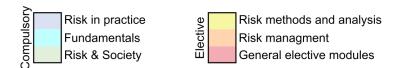
We educate experts and future leaders in risk and safety who	Subject areas of the Master:
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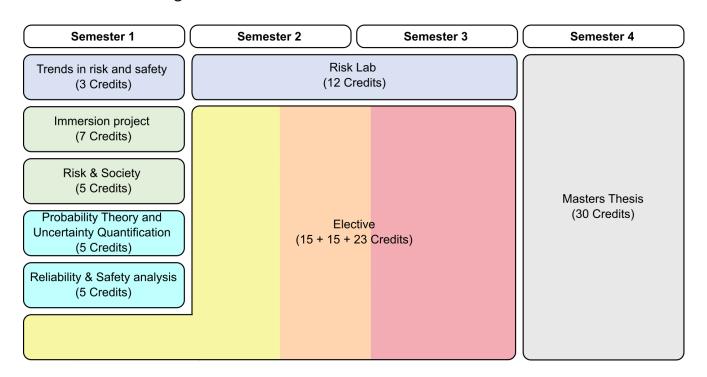
- master stochastic modeling and reliability assessment
 Risk methods & analytics
- know tools and strategies for an effective risk management Risk management
- understand and shape the societal dimensions of risk Risk & society
- translate these skills and knowledge into specific engineering domains
 Risk in practice

Highly interdisciplinary Master's degree with a wide range of specialization options and a diverse range of working opportunities in the industry.

Structure of the Master

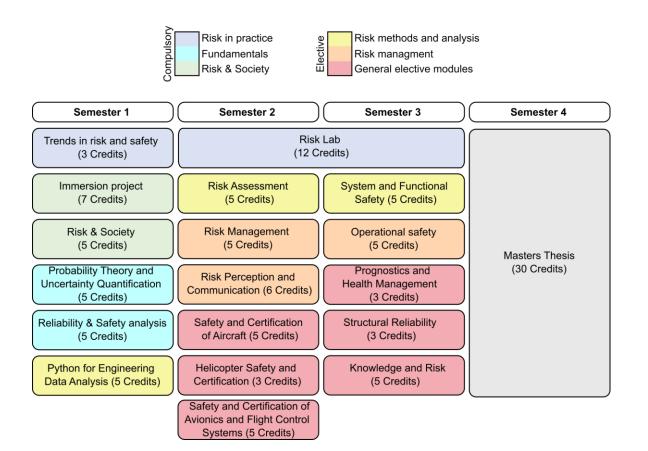






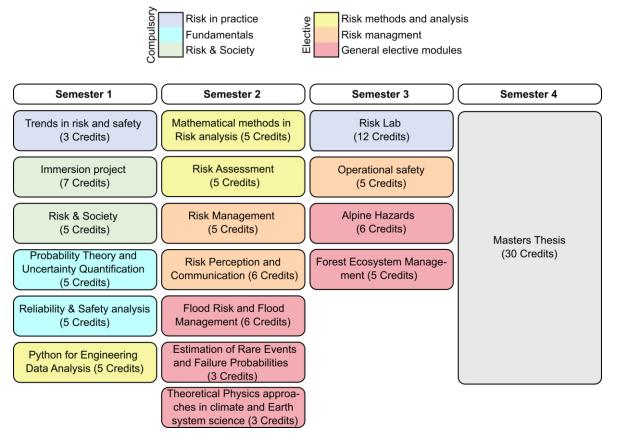
Example 1: Become an expert in aircraft safety





Example 2: Become an expert in managing natural hazards





When and how to apply?



The master's program starts every year in October (winter semester). Applications can be submitted until the end of May.

Apply now:



https://collab.dvb.bayern/pages/viewpage.action?pageId=73390067