

The University of Edinburgh
Chemical
Engineering
Industrial Project



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Chemical Engineering Industrial Project

The industrial project in Chemical Engineering can be undertaken by MEng students in their final year. It consists of a piece of original work in chemical engineering or a related discipline within an industrial context. The scope of industrial projects varies - some are based on production facilities and involve investigation of plant operation, modelling and analysis of performance, others are laboratory based involving experimentation, others are purely theoretical, and some are a blend of all these elements. Students will acquire experience in the methods and practice of industrial research and/or development and gain knowledge and understanding in the area of their project.

Each industrial project has three elements:

1. A comprehensive literature review.
2. A substantial project involving the student in independent analysis of a problem, and giving him or her a degree of responsibility for defining the scope and conduct of the project. The project is carried out at the site of the industrial sponsor over a period of approximately six months.
3. The presentation of the work in form of a poster and a written report.

The student will normally start in June and work with the industrial sponsor for six months. The report is handed in after the Easter vacation but it is not intended that the project work itself should continue after Christmas.

The project must be a self-contained piece of work carried out entirely by the student in the available six month period. The project needs to be academic in general conception, i.e. with some theoretical as well as practical content. In particular, there need to be enough relevant publications in the literature to allow a proper literature survey to be carried out. Even in very narrow fields of study a related literature survey can be used to inform the work, so it is unlikely that this requirement will pose a difficulty for the industrial sponsor.

The scope of the project is agreed in advance between the University and the industrial sponsor, and there is one industrial and one academic supervisor, both of whom take part in the assessment of the student's work. The University is prepared to consider a confidentiality agreement with the sponsor but this may not preclude the presentation, discussion, and marking of the report within the University.

For further information and discussion of possible projects, please contact

Dr Jennifer Skilling

Head of Discipline

0131 650 4863

J.Skilling@ed.ac.uk

Dr Tina Düren

Coordinator for Industrial Projects

0131 650 4856

Tina.Duren@ed.ac.uk

School of Engineering and Electronics, The University of Edinburgh,
The King's Buildings, Mayfield Road, Edinburgh, EH9 3JL

