

# SE4001 Professional Development Audit

**Module status in MSc Professional Engineering: Core    Module credits: 15**

## Aims

The participant will gain an in-depth understanding of the requirements of professional registration and develop the ability to evaluate their own experience and capabilities against these requirements in a realistic manner. The participant will consequently be able to engage in the evolution of an individual learning agreement and a competence development plan, providing the basis for their completion of the rest of the MSc programme and subsequent application for professional registration.

## Content

Professional requirements of the Engineering Council UK (ECUK) and the participant's own professional engineering institution (PEI).

Methods of evaluation of experience and capability.

Sources of input and advice.

Organisation and validation of a learning contract/agreement and competence development plan.

## Teaching

The module will be taught by individual exploratory learning, supplemented by directed reading and tutorial discussion. This module provides the foundation for the MSc Professional Engineering and will be undertaken in a concentrated manner at the beginning of the programme. It should be substantially completed (though not necessarily formally assessed) before significant work is undertaken on other modules.

## Assessment

Based on the participant's written reports and interactions with stakeholders, eg their current manager and the module tutor. Submissions will comprise (indicative length 1500-2500 words in each case):

- An initial report showing an appreciation of the expectations of ECUK and the relevant PEI and, in the form of a reflective CV, evaluating the participant's competence development to date
- A report describing a programme of work suitable and sufficient to form the basis of a learning agreement acceptable to the University and the relevant PEI. The intended learning agreement must be compatible with the programme specification for MSc Professional Engineering.

The participant is required to engage with University staff in a process of building on the submitted reports to obtain a complete competence development plan and a fully elaborated learning agreement\* meeting the requirements of the programme and the relevant PEI.

The participant's reports will be assessed by two members of University staff, at least one of whom will be a specialist in the participant's engineering domain. These staff will also be responsible for ensuring that the learning agreement is adequately specified and satisfies the requirements of the programme. The learning agreement will be made available to the External Examiner for the programme, who may advise on matters such as ensuring that learning agreements present comparable challenges to all programme participants.

(\* ) A learning agreement framework is available as an annex to this module specification.

## Module outcomes

*What the participant should gain from successful completion of the module*

*Teaching/Learning Methods*

*Assessment Methods*

---

### *Knowledge and Understanding*

Professional requirements of the Engineering Council UK  
Requirements of a selected professional engineering institution

Directed reading, individual tuition and practical activities

Written reports, quality of interaction with stakeholders

---

### *Intellectual Skills*

---

### *Professional/Subject-Specific Skills*

Ability to analyse own capabilities and relate to professional requirements

---

### *Transferable Skills*

Enhanced interpersonal and communication skills

---

## Learning resources

UK Standard for Professional Engineering Competence, Engineering Council UK, 2008

MSc Professional Engineering Programme and Module Specifications, Aston University, 2009

## Other modules required in order to take this module

None