TECHNOLOGY MANAGEMENT
MSc / 2017/18 ENTRY
www.ucl.ac.uk/graduate/spacliphys
The Technology Management Group of UCL’s Mullard Space Science Laboratory (MSSL) and UCL Centre for Systems Engineering (UCLse) have pooled expertise to develop this exciting programme, which equips students with the knowledge and skills necessary to develop a career in technology management or engineering management.

**Degree summary**

Students learn about the challenges and opportunities of working with new and legacy technology, and are introduced to key concepts such as technology maturity, lifecycles, risk, reliability and resilience. Systems and strategic thinking is promoted throughout, and the importance of the enterprise context. The research elements aim to instil a deep knowledge of at least one area of technology management with industrial relevance.

- The programme blends general principles of management with technology-focused teaching and integrates aspects of systems engineering and project management; the UCL Mullard Space Science Laboratory has nearly fifty years’ experience of developing cutting-edge spacecraft technology, and the programme content builds on research conducted by the Technology Management Group at MSSL in these areas.
- The programme contains two compulsory modules relevant to leadership and entrepreneurship (Technology Strategy, and Business Environment). These modules will give students the knowledge and skills necessary to lead new technology-driven enterprises.
- The curriculum has an international focus, with case studies from major technology companies around the world including Apple, Samsung and Lenovo. A number of industrial visits are anticipated and this ‘real world’ exposure to organisations will help contextualise the theory and techniques learnt.

Teaching methods incorporate a mix of lectures and case study-based teaching, and groupwork, in which students will be challenged to come up with novel ideas, lead groups to innovative solutions and manage complex tasks under tight time pressure. Assessment is through coursework, examinations, written reports and presentations, and the dissertation.

**Degree structure**

Mode: Full-time: 1 year  
Location: London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of four core taught modules (60 credits), two optional taught modules (30 credits) and three research modules (90 credits).

### CORE MODULES

- Technology Strategy
- Systems Thinking and Engineering Management
- The Business Environment
- Risk, Reliability, Resilience

### OPTIONAL MODULES

- Students choose two of the following:
  - Project Management*
  - Delivering Complex Projects
  - Systems Design
  - Lifecycle Management
  - Space Systems
  - Rail Systems
  - Defence and Security Systems
- *Delivered in association with UCL School of Management

### RESEARCH MODULES

- Students undertake a structured research programme comprising: Emerging Technology Review (group project, 15 credits) Technology Management Project Concept (15 credits) Technology Management Research Project (60 credits, including a 12,000-word dissertation)
Your career

UCLse has strong links with companies in the aerospace, communications, construction, energy, transport and defence sectors and our Industrial Advisory Board ensures relevance to industry. Typical career destinations might include:

- Graduate Systems Engineer (Airbus, BAE Systems, Boeing, GE, GDUK, SELEX, THALES, Ultra Electronics)
- Technology/Business Consultant (Accenture, Capgemini, Deloitte, Ernst & Young, KPMG, PwC).

Employability

Drawing on our experience of providing short training courses for industry (such as the Project Manager training courses we run for the European Space Agency) we will integrate a large amount of skills development into our teaching, including skills in communication, negotiation, leadership and motivation, decision-making, and managing complex, time-constrained tasks, all of which will be beneficial for future careers.
Entry requirements

A minimum of a second-class UK Bachelor's degree in science, engineering or management, or an overseas qualification of an equivalent standard. Candidates must also meet UCL's English language proficiency requirements.

**English language proficiency level**

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency.

The level of English language proficiency for this programme is: **Good**.

Information about the evidence required, acceptable qualifications and test providers is provided at: www.ucl.ac.uk/graduate/english-requirements

Your application

Students are advised to apply as early as possible due to competition for places. Those applying for scholarship funding (particularly overseas applicants) should take note of application deadlines.

When we assess your application we would like to learn:

// why you want to study Technology Management at graduate level
// why you want to study Technology Management at UCL
// what particularly attracts you to this programme
// how your personal, academic and professional background meets the demands of this challenging programme
// where you would like to go professionally with your degree

Together with essential academic requirements, the personal statement is your opportunity to illustrate whether your reasons for applying to this programme match what the programme will deliver.

FEES AND FUNDING 2017/18 ENTRY

// UK: £11,420 (FT)
// EU: £11,420 (FT)
// Overseas: £27,540 (FT)

The tuition fees shown are for the year indicated above. Fees for subsequent years may increase or otherwise vary. Further information on fee status, fee increases and the fee schedule can be viewed on the UCL Current Students website.

Full details of funding opportunities can be found on the UCL Scholarships website: www.ucl.ac.uk/scholarships

APPLICATION DEADLINE

All applicants: 28 July 2017

Details on how to apply are available on the website at: www.ucl.ac.uk/graduate/apply

CONTACT

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EU referendum

For up-to-date information relating to specific key questions following the UK’s decision to leave the EU, please refer to www.ucl.ac.uk/eu-referendum