



University
of Exeter

Camborne
School of Mines



Level 6 Mine Management Degree Apprenticeship

BEng (Hons) Mining Engineering

Delivery method: Blended online learning with in-person residentials

Duration: 4 years including EPA

Effective mine management is critical to the safe, sustainable and efficient operation of the mining and minerals sector, and demand for skilled, technically capable leaders continues to grow. The Mine Management Degree Apprenticeship at University of Exeter is designed to develop confident, capable professionals who are ready to lead mining operations, manage complex technical challenges and support the transition to a more sustainable resources industry.

The programme integrates academic study with practical, work-based learning, enabling apprentices to apply theory directly to operational, environmental and commercial challenges within the mining sector. Teaching is delivered by University of Exeter academics and industry specialists through a structured approach that supports high-quality learning alongside day-to-day professional practice.

This programme is open to students both in the UK and internationally.

Throughout the programme, apprentices develop the knowledge, skills and experience to:

- Manage mining operations safely, efficiently and sustainably
- Apply geological, environmental and engineering principles to real-world mining challenges
- Identify, assess and manage operational, environmental and commercial risks
- Lead teams and engage effectively with stakeholders across mining and resource projects
- Apply commercial, financial and regulatory principles within the minerals and extractives sector
- Support innovation, sustainability and strategic improvement across mining operations

Overview of Modules

- Mining Lifecycle
- Engineering Fundamentals
- Resource Characterisation & Development
- Energy and Sustainability
- Digitalisation and Automation
- Material Processing
- Excavation Design and Optimisation
- Economics and Risk Management
- Environmental and Social Governance

Qualifications available

- IfATE Level 6 Mine Management Degree Apprenticeship
- BEng (Hons) Mining Engineering
- Associateship of the Camborne School of Mines (ACSM)

Programme Structure

		Term 1	Term 2	Term 3
Year One 90 credits	Introduction	Module 1: Mining Life Cycle and Professional Practice 30 credits	Module 2: Engineering Fundamentals 30 credits	Module 3: Mine Challenge Project 30 credits
		E-Portfolio		
Year Two 90 credits		Module 4: Resource Characterisation 30 credits	Module 5: Resource Development 30 credits	Module 6: Energy and Sustainability 30 credits
		E-Portfolio		
Year Three 90 credits		Module 7: Digitalisation and Automation 30 credits	Module 8: Material Processing 30 credits	Module 9: Design and Optimisation 30 credits
		E-Portfolio		
Year Four 90 credits		Module 10: Environmental and Social Governance 30 credits	Module 11: Economics and Risk Management 30 credits	Module 12: Feasibility and Business Improvement (End Point Assessment) 30 credits
		E-Portfolio		

Programme cost

Students in England: £24,000 - funded through the apprenticeship levy or co-investment.

Students in Wales, Scotland & Northern Ireland: £27,750 - funded commercially through employer.

International Students: £40,000 - funded commercially through employer.



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Contact

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for more information