University of Debrecen

MSc Engineering Management Entrance Interview

Pre Mock Interview Questionnaire

Student name

Course and intake

WSA contact

Agreed return date

Save a copy before typing. Answer in your own words, save your progress and return the completed file to your WSA contact. If your phone cannot save the form, send your answers in question order.

Use these WSA practice questions alongside your university invitation. Check the assessment format, date and time zone.

Official MSc course page WSA personal statement guide

Academic background

1. Introduce your academic background and explain why you are ready for this MSc. State your exact qualification, institution, dates and results. Explain relevant experience and any overlap between study and work. Keep details consistent with your application.

2. Explain your final year project or another substantial academic project. Give the title, problem, methods, your contribution, findings and limitations. Be ready to explain a calculation, design choice or result. If you have not completed a final year project, choose a relevant assignment.

3. Which undergraduate subjects best prepare you for Engineering Management? Choose two or three subjects you actually studied. Explain a concept from each and how it could support engineering decisions or management.

4. What academic difficulties did you face and how did you improve? Discuss weaker results or gaps honestly. Give a practical plan for developing relevant mathematical, analytical, economic or academic writing skills.

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Technical reasoning and costing

5. Explain a technical principle you have applied in study or work. Define it clearly, explain your reasoning and show its practical effect. Use a genuine example from your own discipline rather than memorised terminology.

6. How would you investigate repeated defects or poor performance in a process? Explain what evidence you would collect, how you would identify causes, test an improvement and measure whether it worked. Consider safety and quality.

7. How would you identify and reduce a bottleneck in an engineering operation? Use a process you understand. Explain the workflow, capacity constraints, scheduling and measures you would monitor. Discuss one possible trade off.

8. Solve this practice costing problem and explain your working. A job brings in 200,000 currency units. Variable materials cost 80,000 and variable direct labour 40,000 per job. Monthly fixed costs are 800,000. What is the contribution per job and how many identical jobs cover fixed costs? State your assumptions.

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Project management and evidence

9. How does managing an engineering operation differ from carrying out technical work? Explain planning, resources, people, costs and quality. Use a study or work example and distinguish your responsibilities from decisions made by others.

10. Describe one real project or difficult task you helped deliver. Explain the objective, technical challenge, your authority, time and cost constraints, actions and outcome. Distinguish your contribution from team results. Explain any training or certification claims accurately.

11. How would you support the achievements or numerical claims in your application? Give the source, period, baseline and method behind any figures. Identify team results and acknowledge estimates. Tell your counsellor if a claim cannot be supported.

12. How would you manage a project that is behind schedule and over budget? Even well planned projects can face overruns. Explain how you would investigate causes, assess remaining work and costs, consider options, agree a recovery plan and communicate with stakeholders without compromising safety or quality.

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Course choice and research

13. Why Engineering Management rather than another technical MSc or an MBA? Identify the skills you need now and connect them to a real engineering or organisational problem. Explain what you understand engineering management to involve.

14. Why Hungary and the University of Debrecen? Compare alternatives you genuinely considered. Identify official research sources. Check the programme structure and any specialisation availability. Explain two or three relevant subjects, expected learning, teaching and assessment, and how you would apply them.

15. What manageable improvement might you research during the MSc? Propose a relevant engineering or operations question. Explain the data, method and measures of improvement, plus a limitation or ethical issue. Discuss how you would manage independent research and deadlines.

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Career plans and practical arrangements

16. What are your career plans and what would you like to ask the panel? Identify an intended role, responsibilities and realistic next steps. Link course skills to two practical improvements. Clarify whether a business is existing or planned. Add two questions about teaching, projects or industrial experience.

17. What are your confirmed tuition fees, funding arrangements and accommodation plans? Use verified figures and distinguish confirmed support from estimates. Explain who will fund fees and living costs. Keep this practical check brief and prioritise academic preparation.