

Program Requirements

In order to be eligible for the Master in Engineering Management Program, a student must have had a bachelor's degree (BS) in either civil, mechanical, electrical or chemical engineering, or architecture, and must satisfy the requirements of the University of Balamand for admission into engineering graduate studies. A typical engineering management curriculum is a mixture of mathematical modeling of engineering problems, and project management topics.

All students pursuing a Master's degree in Engineering Management must complete 47 credits. The program is divided as follows:

• Eight Core courses in Engineering Management	24 credits
• Four Elective courses in Engineering Management	12 credits
• One Required course in Research Methods	3 credits
• Master's Graduate Project	4 credits
• Field Training	3 credits
• One Required Seminar Course	1 credit
Total:	47 credits

Total of 9 core courses, 4 elective courses, and 1 seminar. The Master's graduate project can be substituted by a Master's Thesis of 7 credits, reducing the number of elective courses to three.

Remedial Courses

BS Engineering Students from UOB:

Engineering students with a minimum Bachelor degree from the University Of Balamand (UOB) entering the Master of Science in Engineering Management (MSEM) must have taken the following courses: i) MATH 246 Probability for Engineers, and ii) GENG 311 Engineering Management and Economics.

BS and/or BE civil engineering students at the University Of Balamand (UOB), planning to pursue the Master of Science in Engineering Management should replace the CIVE 309 "Engineering Economy" course with GENG 311 "Engineering Management and Economics".

BS Engineering Students from outside UOB:

Engineering students with a minimum Bachelor degree from a recognized institution of higher education other than the University Of Balamand (UOB) must have had courses on "Probability and Statistics", and "Engineering Management and Economics". Thus, students entering the Master of Science in Engineering Management (MSEM) must take the following remedial courses or their equivalent, if not already taken before:

MATH 246 Probability for Engineers
GENG 311 Engineering Management and Economics

MS Engineering Students from UOB:

Students, holding a Masters degree in an engineering discipline from the University Of Balamand (UOB), and planning to pursue the Master of Science in Engineering Management (MSEM) are allowed to transfer up to 15 credits elective courses.

Bachelor of Technology (BT) students from UOB:

Students holding a Bachelor of Technology (BT) from the “Issam Fares Faculty Of Technology” (or DUT-Saida) must complete at least 30 credits of remedial courses, as follows:

CSIS 206 Principles of Programming
MATH 230 Numerical Analysis I
MATH 270 Differential Equations
GENG 311 Engineering Management and Economics
MATH 246 Probability for Engineers.

And five (5) Engineering Courses from the BS/BE 300 level, decided with the chairman of the Engineering Management department.

Total = 30 credits

Transfer Credits:

A maximum of fifteen (15) graduate credits (5 courses) from a recognized institution of Higher Education can be transferred. These courses would count as electives in the Engineering Management program. Student’s record determines the likelihood and eligibility of transfer credits.