

ENGINEERING MANAGEMENT (M.S.) - OPERATIONS EXCELLENCE

Important: This degree plan is effective for those starting this degree program in fall 2025 through summer 2026. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations, or cognates.

Code	Title	Hours
Program Courses		
<i>Core Courses</i>		
BMAL 530	Accounting for Non-financial Managers	3
BMIS 650	Operations Management	3
ENGR 500	Systems Engineering	3
ENGR 520	Law for Engineers	3
ENGR 590	Strategic Planning	3
MGMT 610	Risk Management	3
MGMT 645	Quality Management	3
Total Hours		21

Code	Title	Hours
Operations Excellence Cognate		
ENGR 604	Managing Change and Innovation	3
ENGR 643	Statistical Analysis for Engineering Operations	3
ENGR 652	Six Sigma and Lean for Engineering Operations	3
Total Hours		9

All applicable prerequisites must be met

Graduation Requirements

- Complete 30 hours
- A maximum of 50% of the program hours may be transferred if approved and allowable, including credit from an earned degree from Liberty University on the same academic level
- 3.0 GPA
- No grades lower than B- may be applied to the degree
- Degree must be completed within 5 years
- Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date

Program Offered in Online Format

Course Sequence

Course	Title	Hours
First Year		
First Semester		
BMAL 530	Accounting for Non-financial Managers	3
BMIS 650	Operations Management	3
ENGR 500	Systems Engineering	3
Hours		9
Second Semester		
ENGR 520	Law for Engineers	3

Course	Title	Hours
ENGR 590	Strategic Planning	3
MGMT 610	Risk Management	3
Hours		9
Second Year		
Third Semester		
ENGR 604	Managing Change and Innovation	3
ENGR 643	Statistical Analysis for Engineering Operations	3
Hours		6
Fourth Semester		
ENGR 652	Six Sigma and Lean for Engineering Operations	3
MGMT 645	Quality Management	3
Hours		6
Total Hours		30