

Engineering Management Major (61-62 credit hours)

Courses in engineering management blend principles of engineering and management to prepare students for leadership roles in technical environments. Engineering management majors develop skills in project management, systems engineering, quality control, and financial analysis, making them well-suited for positions such as project manager, engineering manager, systems manager, or operations manager. This field emphasizes the ability to oversee complex projects, lead technical teams, and optimize processes in engineering-driven industries.

**Business Core Requirements (43-44 hours):**

- MATH 1300 Finite Mathematics, 3 credit hours or MATH 1400, Applied Calculus, 4 credit hours or MATH 2010, Calculus I, 4 credit hours
- ACCT 2010 Principles of Accounting I, 3 credit hours
- ACCT 2020 Principles of Accounting II, 3 credit hours
- BSNS 1050 Business as a Profession, 2 credit hours
- BSNS 2310 Business Analytics, 3 credit hours
- BSNS 2450 Data Analytics and Decision Making for Business, 3 credit hours
- BSNS 2510 Principles of Finance, 3 credit hours
- BSNS 2710 Principles of Management, 3 credit hours
- BSNS 2810 Principles of Marketing, 3 credit hours
- BSNS 3270 Project Management, 3 credit hours
- BSNS 3420 Business Law, 3 credit hours
- BSNS 4500 Strategic Management, 3 credit hours
- BSNS 4910 Senior Seminar in Business, 2 credit hours
- ECON 2010 Principles of Macroeconomics, 3 credit hours
- ECON 2020 Principles of Microeconomics, 3 credit hours

**Major Requirements (18-19 hours):**

- ENGR 2001 Introduction to Engineering (Lecture), 1 credit hour
- ENGR 2002 Introduction to Mechanical and Civil Laboratory, 1 credit hour
- ENGR 2003 Introduction to Electrical and Computer Laboratory, 1 credit hour
- ENGR 2090 Systems Engineering, 3 credit hours
- BSNS 3510 Supply Chain Management, 3 credit hours
- BSNS 4050 Quality Systems and Control, 3 credit hours

**Computer Science Directed Electives (choose one course):**

- ENGR 2310 Computational Problem Solving, 3 credit hours
- CPSC 2020 Fundamentals of Computational Thinking and Programming, 4 credit hours
- CPSC 2180 Scripting and Systems, 2 credit hours

**Business Directed Electives (choose one course):**

- BSNS 3230 Consumer Behavior, 3 credit hours
- BSNS 3850 Practicum in Business, 1-3 credit hours (arranged)
- BSNS 4010 Organizational Behavior and Theory, 3 credit hours
- BSNS 4480 Leadership, 3 credit hours
- BSNS 4800 Business Internship, 1-4 credit hours (arranged)

**NOTE:** All students must complete 120 total credit hours to graduate from Anderson University.

Engineering Management: 4 Year Suggested Course Sequence

SEMESTER 1	HOURS	SEMESTER 2	HOURS
BSNS 1050	2	BSNS 2310	3
MATH 1300/2010	3-4	BSNS 2710	3
ENGL 1100/ENGL 1110	3-4	ENGL 1120	3
LART 1050	1	COMM 1000	3
Foreign Language	4	Civic Ways of Knowing	3
Personal Wellness	2		

SEMESTER 3	HOURS	SEMESTER 4	HOURS
ACCT 2010	3	ACCT 2020	3
Social and Behavioral Ways of Knowing, ECON 2010	3	ECON 2020	3
BSNS 2450	3	BSNS 2810	3
ENGR 2001	1	BSNS 2510	3
ENGR 2002	1	ENGR 2090	3
ENGR 2003	1		
Elective	3		

SEMESTER 5	HOURS	SEMESTER 6	HOURS
BIBL 2000	3	Christian Ways of Knowing	3
BSNS 3270	3	BSNS 4050	3
BSNS 3510	3	Business Directed Elective <sup>1</sup>	3
Civic Discourse & Critical Reasoning, BSNS 3420	3	Elective	3
Global/Intercultural Ways of Knowing, BSNS 3120	3	Elective	3

SEMESTER 7	HOURS	SEMESTER 8	HOURS
BSNS 4910	2	Aesthetic Ways of Knowing	3
Scientific Ways of Knowing	4	Speaking Intensive	3
Computer Science Directed Elective <sup>2</sup>	3	BSNS 4500	3
Elective	3	Elective	3
Elective	3	Elective	3

NOTE: All students must complete 120 total credit hours to graduate from Anderson University.

<sup>1</sup> BSNS 3230, BSNS 4010, BSNS 4480, BSNS 3850, BSNS 4800

<sup>2</sup> ENGR 2310, CPSC 2020, CPSC 2180

### Engineering Management: 3 Year Suggested Course Sequence

SEMESTER 1		HOURS	SEMESTER 2		HOURS
BSNS 1050		2	BSNS 2310		3
<b>MATH 1300/2010</b>		3-4	BSNS 2710		3
<b>ENGL 1100/ENGL 1110</b>		3-4	<b>ENGL 1120</b>		3
<b>LART 1050</b>		1	<b>COMM 1000</b>		3
<b>Foreign Language</b>		4	<b>Civic Ways of Knowing</b>		3
<b>Personal Wellness</b>		2	Elective		3

SUMMER 1		HOURS
<b>BIBL 2000</b>		3
<b>Aesthetic Ways of Knowing</b>		3
Elective		3

SEMESTER 3		HOURS	SEMESTER 4		HOURS
ACCT 2010		3	ACCT 2020		3
<b>Social and Behavioral Ways of Knowing, ECON 2010</b>		3	ECON 2020		3
BSNS 2450		3	BSNS 2810		3
ENGR 2001		1	BSNS 2510		3
ENGR 2002		1	ENGR 2090		3
ENGR 2003		1	Elective		3
BSNS 3510		3			
Elective		3			

SUMMER 1		HOURS
<b>Christian Ways of Knowing</b>		3
Elective		3

SEMESTER 5		HOURS	SEMESTER 6		HOURS
BSNS 3270		3	BSNS 4050		3
<b>Civic Discourse &amp; Critical Reasoning, BSNS 3420</b>		3	Business Directed Elective <sup>3</sup>		3
<b>Global/Intercultural Ways of Knowing, BSNS 3120</b>		3	<b>Speaking Intensive</b>		3
BSNS 4910		2	BSNS 4500		3
<b>Scientific Ways of Knowing</b>		4	Elective		3
Computer Science Directed Elective <sup>4</sup>		3	Elective		3

**NOTE:** All students must complete 120 total credit hours to graduate from Anderson University.

<sup>3</sup> BSNS 3230, BSNS 4010, BSNS 4480, BSNS 3850, BSNS 4800

<sup>4</sup> ENGR 2310, CPSC 2020, CPSC 2180