

M.S. in Systems Engineering

Daytona Beach Program Requirements

Core Requirements	12
Areas of Concentration	18
Total Credits	30

Core Requirements

SYSE 500	Fundamentals of Systems Engineering	3
SYSE 530	System Requirements Analysis and Modeling	3
SYSE 560	Introduction to Systems Engineering Management	3
SYSE 625	System Quality Assurance	3
Total Credits		12

Areas of Concentration

Non-Thesis - Technical Track

SYSE 610	System Architecture Design and Modeling	3
SYSE 690	Systems Engineering Project	3
Choose Four of the Following:		12
	AERO/BUAN/CESC/CIVE/ELEC/ENGP/MATH/MECH/MGMT/ SCLM/SFTY/SFTW/SYSE 500-600 level courses	
Total Credits		18

Non-Thesis - Engineering Management Track

SYSE 660	Organizational Systems Management	3
SYSE 690	Systems Engineering Project	3
Choose Four of the Following:		12
	AERO/BUAN/CESC/CIVE/ELEC/ENGP/MATH/MECH/MGMT/ SCLM/SFTY/SFTW/SYSE 500-600 level courses	
Total Credits		18

Thesis oPTION

SYSE 700	Graduate Thesis	9
Choose Three of the Following:		9
	AERO/BUAN/CESC/CIVE/ELEC/ENGP/MATH/MECH/MGMT/ SCLM/SFTY/SFTW/SYSE 500-600 level courses	
Total Credits		18

Suggested Plans of Study

Non-Thesis Option - Technical Track

Year One

Requirements	Credits
SYSE 500 - Fundamentals of Systems Engineering	3
SYSE 530 - System Requirements Analysis and Modeling	3
Semester Hours	6

Requirements	Credits
SYSE 560 - Introduction to Systems Engineering Management	3
Elective	3

Elective	3
Semester Hours	9

Total Credits

Total Hours for All Requirements: 15

Year Two

Requirements	Credits
SYSE 625 - System Quality Assurance	3
SYSE 610 - System Architecture Design and Modeling	3
Elective	3
Semester Hours	9

Requirements	Credits
SYSE 690 - Systems Engineering Project	3
Elective	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 15

Non-Thesis Option - Engineering Management Track

Year One

Requirements	Credits
SYSE 500 - Fundamentals of Systems Engineering	3
SYSE 530 - System Requirements Analysis and Modeling	3
Semester Hours	6

Requirements	Credits
SYSE 560 - Introduction to Systems Engineering Management	3
Elective	3
Elective	3
Semester Hours	9

Total Credits

Total Hours for All Requirements: 15

Year Two

Requirements	Credits
SYSE 625 - System Quality Assurance	3
Elective	3
Elective	3
Semester Hours	9

Requirements	Credits
SYSE 660 - Organizational Systems Management	3
SYSE 690 - Systems Engineering Project	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 15

Thesis Option

Year One

Requirements	Credits
SYSE 500 - Fundamentals of Systems Engineering	3
SYSE 530 - System Requirements Analysis and Modeling	3
Semester Hours	6

Requirements	Credits
SYSE 560 - Introduction to Systems Engineering Management	3
Elective	3
Elective	3
Semester Hours	9

Total Credits

Total Hours for All Requirements: 15

Year Two

Requirements	Credits
SYSE 625 - System Quality Assurance	3
SYSE 700 - Graduate Thesis	3
Elective	3
Semester Hours	9

Requirements	Credits
SYSE 700 - Graduate Thesis	6
Semester Hours	6

Total Credits

Total Hours for All Requirements: 15