

721-2410 Joint Executive Systems Engineering Management (SEM-PD21)

Curriculum Lineup for new September 2023-2025 Class

All students who successfully complete the program receive:

- 1) MS in Systems Engineering Management or MS in Product Development
- 2) Certificate of Recognition from MIT
- 3) DAU (PM Practitioner with Advanced Acquisition Studies elective track)
- 4) Each student picks an elective track that provides an additional certificate

Kickoff in Monterey: 11 - 22 September 2023

Separate Agenda provided for 2 week kickoff at NPS

Course introductions, meet faculty & graduating students,
Silicon Valley trip, attend thesis briefings and graduation

Faculty

Wally Owen, SE
Team of Faculty

QTR 1- Fall AY24: 25 Sep - 15 Dec 2023

Course

MN3108 (3-2)- Leadership in Product Development
MN3117 (4-0)- Organizational Processes
SE3810 (0-2)- Systems Engineering Seminar

Faculty

Owen/Giammarco, SE
Deborah Gibbons, DDM
Wally Owen, SE

QTR 2- Winter AY24: 8 Jan - 29 Mar 2024

Course

SI4021 (3-2)- Systems Engineering for Product Development
MN3145 (4-0)- Marketing Management
SE3810 (0-2)- Systems Engineering Seminar

Faculty

TBD, SE
Dennis Lester, GEAC
Wally Owen, SE

QTR 3- Spring AY24: 1 Apr - 21 Jun 2024

Course

SI4022 (4-0)- Systems Architecture
SE4353 (3-2)- Engineering Risk Benefit Analysis
SE3810 (0-2)- Systems Engineering Seminar
One-week Industry visit at end of quarter

Faculty

Kristin Giammarco, SE
Mark Rhoades, SE
Wally Owen, SE

QTR 4- Summer AY24: 8 Jul - 27 Sep 2024

Course

MN3156 (4-0)- Finance & Managerial Accounting
MN3392 (4-0)- Systems and Project Management
SE3810 (0-2)- Systems Engineering Seminar

Faculty

TBD, DDM
TBD, DDM
Wally Owen, SE

QTR 5- Fall AY25: 30 Sep - 20 Dec 2024

Course

OS3211 (4-0)- Systems Optimization
Elective Course- see tracks below
SE3810 (0-2)- Systems Engineering Seminar

Faculty

TBD, OR
TBD
Wally Owen, SE

QTR 6- Winter AY25: 6 Jan - 28 Mar 2025

Course

MN4379 (4-0)- Operations Management
Elective Course- see tracks below
SE3810 (0-2)- Systems Engineering Seminar

Faculty

TBD, OR
TBD
Wally Owen, SE

QTR 7- Spring AY25: 31 Mar - 20 Jun 2025

Course

SE0811 (0-8)- Thesis Research

Elective Course- see tracks below

SE3810 (0-2)- Systems Engineering Seminar

One-week Industry visit at end of quarter

Faculty

Giammarco/Owen, SE

TBD

Wally Owen, SE

QTR 8- Summer AY25: 7 July - 26 Sep 2025

Course

SE0811 (0-8)- Thesis Research

Elective Course- see tracks below

SE3810 (0-2)- Systems Engineering Seminar

Graduation Week at NPS: Graduation is on Friday, 27 September 2024

Faculty

Giammarco/Owen, SE

TBD

Wally Owen, SE

COURSE ELECTIVE TRACK OPTIONS

- ✓ Advanced Acquisition Studies (DAU BtB- PM Practitioner)
- ✓ Advanced Systems Engineering
- ✓ Human Systems Integration
- ✓ MBSE Design & Development
- ✓ Space Systems
- ✓ Systems Analysis
- ✓ Systems Capability & Mission Engineering
- ✓ Others- as available