

721-2210 Joint Executive Systems Engineering Management (SEM-PD21)

Curriculum Lineup for new September 2021-2023 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 (ACQ101, 160, 202, 203 PMT252, 257, 355, 360 ENG101, 201, 202, 302)
- 4) Each student picks an elective track that provides an additional certificate

Kickoff in Monterey: 13 - 24 September 2021

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 AY22: 27 Sep - 17 Dec 2021

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, BPP
Wally Owen, SE

QTR 2- Winter AY22: 3 Jan - 25 Mar 2022

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 AY22: 28 Mar - 17 Jun 2022

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 AY22: 5 Jul - 23 Sep 2022

Course

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

Faculty

Juanita Rendon, BPP
Charles Pickar, BPP
Wally Owen, SE

QTR 5- Fall AY23: 26 Sep - 16 Dec 2022

Course

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

Faculty

TBD, OR
TBD
Barbara Berlitz, SE

QTR 6- Winter AY23: 3 Jan - 24 Mar 2023

Course

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

Faculty

Varies, OR
TBD
Barbara Berlitz, SE

QTR 7- Spring AY23: 27 Mar - 16 Jun 2023

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

Barbara Berlitz, SE

QTR 8- Summer AY23: 5 July - 22 Sep 2023

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, 23 September 2022

Faculty

Giammarco/Owen, SE

TBD

Barbara Berlitz, SE

COURSE ELECTIVE TRACK OPTIONS

- ✓ **Advanced Systems Architecting**
- ✓ **Aviation Systems**
- ✓ **Digital Engineering**
- ✓ **Human Systems Integration**
- ✓ **Model-Based Systems Engineering**
- ✓ **Space Systems**
- ✓ **Systems Analysis**
- ✓ **Systems Capability & Design**
- ✓ **Systems Integrated Development**
- ✓ **System of Systems Engineering**
- ✓ **Systems Program Management**
- ✓ **Systems Safety Engineering**
- ✓ **Systems Technology & Advancement**
- ✓ **Systems Test & Evaluation**
- ✓ **Others- as available**