



NAVAL POSTGRADUATE SCHOOL

SYSTEMS ENGINEERING

EST. 2002

Apply [ONLINE](#) and ensure that all official transcripts are received by: **1 October 2019** For more details, please visit our [website](#).

Call for Applicants!

Systems Engineering Non-Resident Master's Degree, Data Analytics Focus **Commencing Monday 6 January 2020**

Program Delivered via Distance Learning

Sponsor Code: Open Enrollment (311-2020)

The Naval Postgraduate School's (NPS) Department of Systems Engineering is pleased to announce the offering of a two year Systems Engineering Non-Resident Master's degree program with a Data Analytics focus commencing Monday **6 January 2020**. The program is open to qualified uniformed officers, federal employees and defense contractors.

Delivery

The SE Non-Resident Master's degree is a part-time distance learning program. Courses are delivered synchronously using Blackboard Collaborate, a web-conferencing tool. Classes will be on Mondays and Wednesdays from 1300-1600 Pacific time. To use Blackboard Collaborate, students need Internet access and a PC microphone. A PC camera is optional. No special software is required for Blackboard Collaborate, which is compatible with the Navy/Marine Corps Intranet.

Degree

Students who successfully complete the program will earn either a Master of Science in Systems Engineering (provided they hold an ABET undergraduate engineering degree, or can establish equivalency) or a Master of Science in Engineering Systems (all others). Students also earn a NPS Data Science Certificate, Systems Engineering Certificate and DAU equivalency for DAWIA training for the Engineering (ENG) career field (ENG101, ENG201, 202 and 302).

Tuition

The tuition price is \$2,500 per course. Tuition prices may change from fiscal year to fiscal year, but will not change within a fiscal year. NPS is mission funded for qualified active duty Navy and Marine Corps officers (tuition free). Students or command representatives are expected to purchase their own books. If NPS is required to provide textbooks, add \$200 fixed price per course per student.

To apply

Applicants should visit the [SE Non-Res website](#) and under the Quick Links, select [Apply Now](#). The SE Non-Resident program is Curriculum 311. Candidates are applying for Academic Year 2020, Quarter 2 and should type the sponsor code of 311-2020 in the Comments section of the application. A Participation Agreement signed by a Command/Company Authorizing official is also required. The application deadline, which includes receipt of all official transcripts by the NPS Admissions Office, is **1 October 2019**.

Course Lineup*

Qtr	Year/Qtr	Course Title	
1	AY20/winter	Fundamentals of Systems Engineering	Probability and Statistics for SE
2	AY20/spring	Capability Engineering	Engineering Economics and Cost Estimation
3	AY20/summer	System Suitability	Systems Architecting and Design
4	AY21/fall	Fundamentals of Eng Project Management	System Integration and Development
5	AY21/winter	Cyber Data Management and Analytics	Software Engineering
6	AY21/spring	Introduction to Machine Learning and Data Mining	Engineering Systems Conceptualization
7	AY21/summer	Advanced Data Analysis	Engineering Systems Design
8	AY22/fall	Statistical and Machine Learning	Eng Systems Implementation and Operation

*Class days and the track are subject to change

Fundamentals

SE certificate core course

SE core course

Domain elective

Capstone project

For more information, visit the [program website](#) or contact the 311 Program Manager, Dr. Wally Owen wowen@nps.edu, the 311 Academic Associate, Dr. Raymond Madachy rjmadach@nps.edu, or the Center for Educational Design, Development & Distribution Student Coordinator CED3StudCoord@nps.edu.