



NPS Fleet Concentration Areas
QUARTERLY NEWSLETTER
NAVAL POSTGRADUATE SCHOOL– July 2020

Distance Learning

OFFERING OVER 40 DISTANCE LEARNING CERTIFICATE & MASTERS DEGREE PROGRAMS

Online applications are currently being accepted for the following programs. Deadlines for Applications vary, but are rapidly approaching! **Tuition is free for Naval Officers.**

PROGRAMS STARTING IN 2020:

MASTERS DEGREE PROGRAMS:

Master of Systems Analysis Degree Program (MSA, Curriculum 363, starts Fall/Spring):
The MSA program is designed to meet the needs of the Navy and other services in the Department of Defense (DoD) for technical graduate education in systems analysis as a basis for aiding key decisions on force requirements, weapons systems, and other defense matters. Students acquire foundation skills and hands-on experience in all aspects of analytical studies. MSA grads earn the Navy 3210P subspecialty code, Operations Research Analysis. NAVADMIN 123/17
Point of Contact: MSADEGPROG@NPS.EDU or GEACSTUDCOORD@NPS.EDU

Executive Masters of Business Administration (EMBA, Curriculum 805 mil, 807 civ, starts Fall/Spring): This program is a defense-focused general management program for senior Department of Navy officers and senior Department of Navy civilians. The program design and course work capitalizes on the current managerial and leadership experience of program participants. The EMBA is a 24-month, part-time, distance learning degree program. Classes meet once a week, approximately 6-7 hours per day, depending on course units. NAVADMIN 057/17
Point of Contact: HTARABIS@NPS.EDU

Mechanical Engineering for Nuclear Trained Officers (Curriculum 572, starts quarterly):
This program provides the opportunity for nuclear trained naval officers (who have successfully completed Naval Nuclear Power School, officers course) to obtain a Master of Science in Engineering Science with a major in Mechanical Engineering MSES (ME), while on sea or shore duty. This is a non-thesis program, but a capstone research or design project is required. This Distance Learning program is offered primarily via asynchronous course packages, in which pre-recorded lectures are provided to students on DVD's and the student communicates directly with the professor. Synchronous course options are offered via VTC when available.
Point of Contact MSESMEDL@NPS.EDU

Systems Engineering Non-Resident Master's Degree Program (SENonResDeg, Curriculum 311, starts quarterly): The SE Non-Resident Degree Program is designed for DoD organizations faced with a wide range of systems engineering and integration challenges. These commands can now partner with NPS to educate and train engineers with tools and technologies relevant to their work, resulting in employees with greater knowledge and expertise to enable them to better meet the needs of their customers. This is a 24-month, part-time, distance learning degree program
Point of Contact: SSCERTPROG@NPS.EDU or GEACSTUDCOORD@NPS.EDU

CERTIFICATE PROGRAMS:

Cyber Warfare Graduate Certificate Program(Curriculum 288, starts quarterly):
This program provides students with a technical foundation that prepares them for assignments related to research and management of wired and wireless cyber warfare systems, and for leadership roles in the area of cyber warfare. This coherent program provides a mixture of instruction and computed-based laboratories which offer students the opportunity to explore concepts and investigate applications in cyber warfare areas.
Point of Contact: RCRISTI@NPS.EDU

Anti- Submarine Warfare (ASW) (Curriculum 274, starts Spring): This certificate provides a science and engineering foundation which covers fundamental concepts in our areas: Physical Oceanography, Signal Processing, operations Research, and Engineering Acoustics. These subjects are the educational cornerstone for this highly interdisciplinary certificate program. Point of Contact: RCRISTI@NPS.EDU

Human Systems Integration (Curriculum 262, starts Fall) Human Systems Integration (HSI): This program acknowledges that the human is a critical component in any complex system. It is an interdisciplinary approach that makes explicit the underlying tradeoffs across the HIS domains (and, in particular, manpower, personnel, training, and human factors engineering(to optimize total system performance with the constraints of cost, schedule, and risk. Point of Contact HSICERTPROG@NPS.EDU or GEACSTUDCOORD@NPS.EDU

Space Systems Certificate Program (Curriculum 273, starts in Fall/Spring):
Space assets are essential to modern warfare. The Space Systems Certificate provides the foundation to understanding the integration of space capabilities across combined armed forces, involving networks, sensors, and weapons. The certificate course sequences covers MILSATCOM, remote sensing, physics of the space environment, and orbitology, providing knowledge, and insight to exploit the combat advantage provided by current and future space-based resources.
Point of Contact: SSAGCERTIFICATEPROGRAMS@NPS.EDU or GEACSTUDCOORD@NPS.EDU

For more information contact Ashley Burrow

amdecarl@nps.edu 619-556-3289

3975 Norman Scott Road, Suite 102,

NBSD Bldg 3280, C Wing

San Diego, CA 92136

To apply please visit:

<http://www.nps.edu>

Refer to:

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NEWSLETTER

NAVAL POSTGRADUATE SCHOOL – FLEET CONCENTRATION AREAS
July 2020

DISCOVER NPS PODCASTS

Listen, Learn, Lead...

BY MC2 Tom Tonthat

The Naval Postgraduate School's (NPS) true value – its faculty, staff and students – make invaluable technological and leadership contributions to the Navy and nation. Who are these thoughtful, principled leaders who define NPS as an educational and research strategic and operational asset and institution? Why do they choose NPS? And how are they advancing research and officer education to enhance Seapower? NPS President retired Vice Adm. Ann E. Rondeau discovers the answers to these questions and more in the now available [‘Listen, Learn, Lead’](#) (LLL) web series where she interviews these extraordinary campus leaders and innovators.

In conversations with guests, Rondeau explores the wide array of experiences campus leaders have had supporting NPS' mission:

some with careers spanning decades, some who are new arrivals and some who are student leaders making a difference on campus and will have impact in the Service.

“The goal of the series is simple,” said Rondeau. “The true value of NPS is its people and the interviews help viewers get to know the Faculty, staff and students behind the research, experiments, inventions and innovation happening here every day.”

The series debuts with seven episodes, featuring frank conversation and stories that guests tell about supporting the Fleet and Force and defense-focused scholarship that contributes directly to our national security.

Rondeau explained, “The series title, ‘Listen, Learn and Lead,’ really describes what happens here at NPS where operationally-experienced students bring real-world challenges that contribute to the dynamic learning environment with their peers and Faculty. It is truly a collaborative and symbiotic approach to applied research and education where Faculty learn as much from our students. Together they accelerate and enhance military capabilities that deliver technological and intellectual advantage.”

Listen, Learn, Lead is available to listen by [clicking here](#)

TRIDENT ROOM PODCAST

EPISODE 1

Dr. Frank Narducci, Quantum Physics and the Navy

Dr. Frank Narducci discusses family, having a physicist for a father, and his personal passion of incorporating quantum physics into Navy practices.

EPISODE 2

Lt. Col. Matthew Taranto, The Uniqueness of an NPS Ph.D

Lt. Col. Matthew Taranto discusses what makes the NPS PhD program unique, Aerospace in the Air Force and the gift of education

EPISODE 3

Prof Mara Orescanin, Oceanography and the Navy

Professor Mara Orescanin discusses her drone research and her passion of engaging students in critical thinking.

EPISODE 4

Dr. Jennifer Heissel, Family Elements and the DoD

Dr. Jennifer Heissel discusses her recent research how parental support policies like childcare and parental leave affect new parents' work performance and health

EPISODE 5

Maj. Ryan Tice, The Rise of the Arctic
Maj. Ryan Tice discusses the rise of the arctic, the importance of naval integration and empathy.

EPISODE 6

Cmdr. Paul Rasmussen, A Paperboy, Sizzler and Navy
NPS Program Officer Paul Rasmussen discusses his techniques of adjusting to the current pandemic, his time at NPS, and how previous jobs helped him lead in the Navy

To listen to the Trident Room podcast, click [here](#)