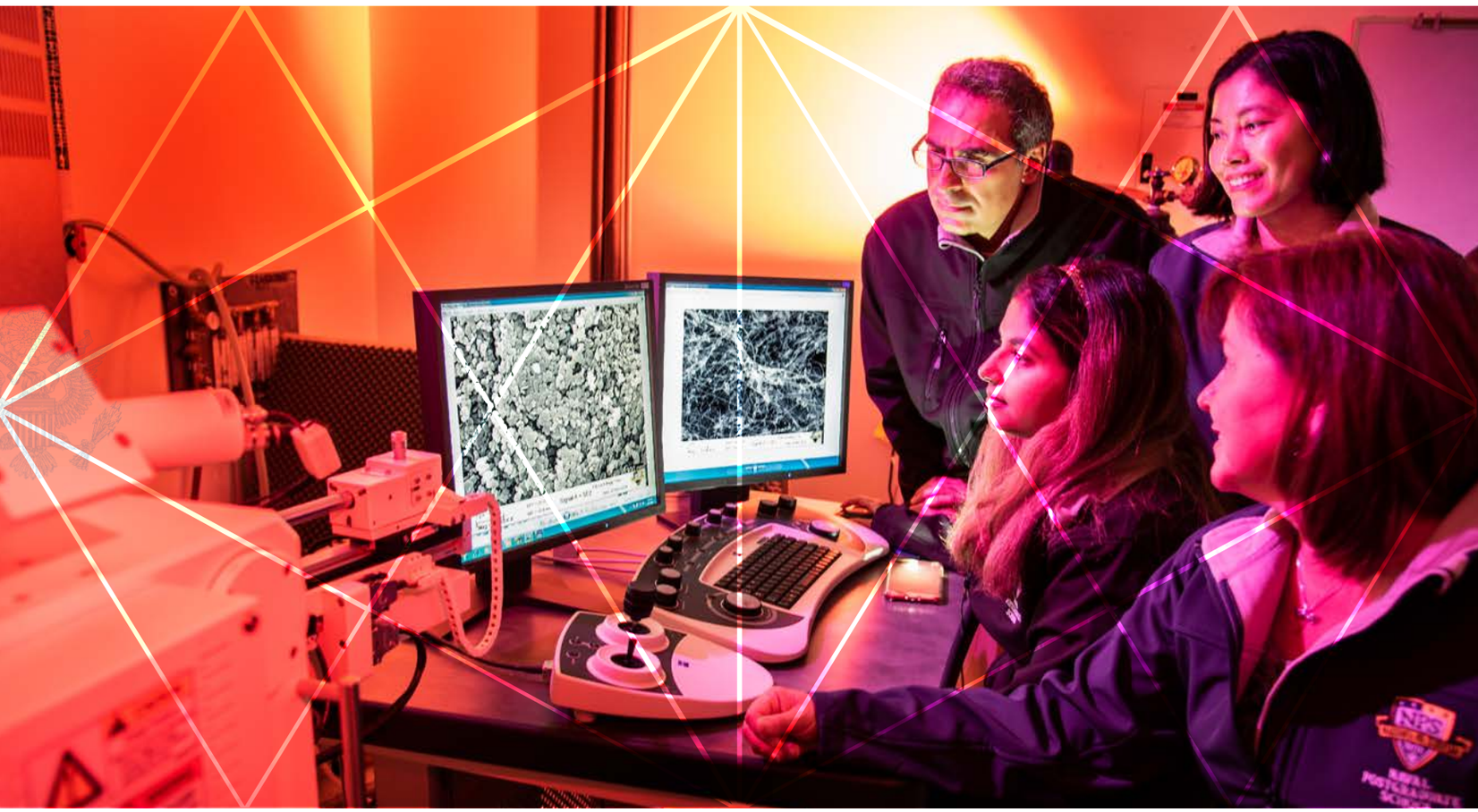
RESOURCES



Above:
Students apply nanomaterials research to enhance military readiness.

Resources

Information Technology and Communication Services

NPS Systems

Networks	Site	Provider
"PACBell" Commercial ISP	Research network	AT&T
Classified Networks	Various	Various
DODNet	Monterey DoD Interconnect: DMDC, PERSEREC, DLIFLC, NRL, FNMOC, NPS	NPS
EDU	nps.edu	CENIC
HPR	hpr.nps.edu	CENIC
MIL	nps.navy.mil	DREN
Public (for guests)	Public.nps.edu	CENIC

High Performance Computing (HPC)

Description	2014	2015	2016	2017	2018	2019	2020	2021
HPC supercomputer processors	3,154	4,290	4,698	5,166	4,516	6,140	5,156	5,000
HPC supercomputer users	210	356	327	180§§	474	688	741	372§§
HPC disk space	475 TB	2 PB	3.2PB	3.2 PB	3.2 PB	3.2 PB	6.5 PB	6.5 PB
Linux computers on campus	375	300§	286§	242§	224	173§	124§	97§
Linux users on campus	500	600	722	748	704	756	740	672

§Decrease due to virtualization
§§Decrease due to expired account cleanup

Wireless

Description	2012	2013	2014	2015	2016	2017*	2018	2019	2020	2021
Wireless (WiFi) Access Coverage	94%	95%	95%	95%	94%	98%	98%	98%	98%	99%
Number of bldgs covered by wireless	30	34	34	34	34	38	38	38	39	42
Average number of systems connected wirelessly	700	1300	465	1840	1840	2000	2500	2700	400*	1100*

*Reduced numbers due to directed telework during COVID-19

Web Services

Total Page views	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extranet	19,937,866	19,937,866	18,490,648	3,157,7161[1]	4,472,814 [2]	5,791,205 [2]	6,862,199	7,232,980	7,405,217	6,736,461
Intranet	8,200,432	8,652,608	6,917,086	2,329.718 [1]	2,541,047	2,058,209	1,105,995 [2]	456,003 [3]	494,772 [3]	674,844 [3]

1 The metrics collection tool has changed from Urchin to Google Analytics; see the JIRA ticket for more details
2 Includes Liferay websites and legacy Rhythmyx websites
3 Includes Liferay private websites only

CENIC
Connecting California

Established in 1997, CENIC operates the California Research and Education Network (CalREN), a high-capacity computer network with more than 8,000 miles of optical fiber serving California Community Colleges, the California State University, the University of California, public schools/ libraries and private universities (Caltech, Naval Postgraduate School, Stanford University, and University of Southern California).

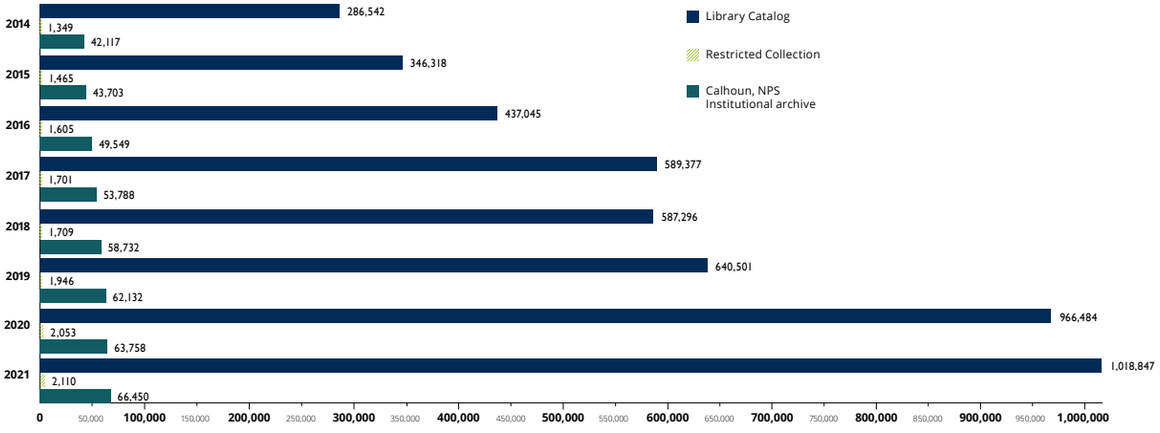
Resources
Dudley Knox Library

Quick Facts

DESCRIPTION	2015	2016	2017	2018	2019	2020	2021
Library staff FTE	28	27	26	25	21.5	22.5	21
Average weekly hours (Sunday-Saturday); extended hours during finals weeks	78	78	78	78	78	78	78
eResources available in library catalog (books, journals, reports & more)	391,486	377,192	589,377	587,296	640,051	966,484	1,018, 847
eResources available in Restricted Collection (Restricted NPS Thesis, NPS Reports, etc.)	1,465	1,605	1,701	1,709	1,946	2,053	2,110
eResources in NPS Archive: Calhoun	43,703	49,549	53,788	58,732	63,132	63,758	66,450
On-site Library visits	313,199	280,376	281,393	272,037	260,761	108,457	13,989
Average daily library visits (on-site)	909	808	842	829	1,014	1,063	234
Average daily library visits (virtual)*	--	4,737	4,813	1,746	2,011	1,587	2,379
Hours students used collaborative study spaces	>8,200	8,164	24,051.75	28,267.25	28,851	12,376.50	5,950.50
Students receiving library instruction	2,746	2,435	2,501	2,432	2,191	1,968	2,031
Library instruction sessions offered (face-to-face and virtual)	146	126	138	149	134	118	108

*2018 changed to Google Analytics Sessions for counting virtual vists

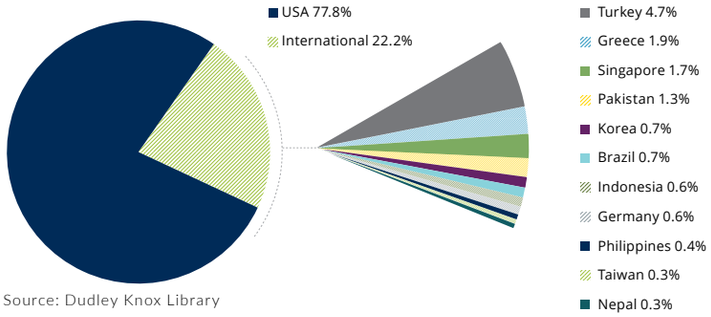
Number of Electronic Resources



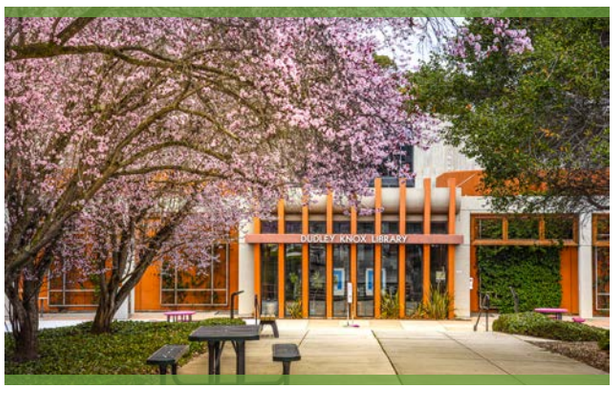
Alumni

YEAR	TOTAL
2012	2098
2013	2430
2014	2754
2015	3040
2016	3279
2017	3530
2018	3975
2019	4250
2020	4500
2021	4717

NPS Alumni Registered for AY2021 Library Access



Source: Dudley Knox Library



NPS
Academic Facilities

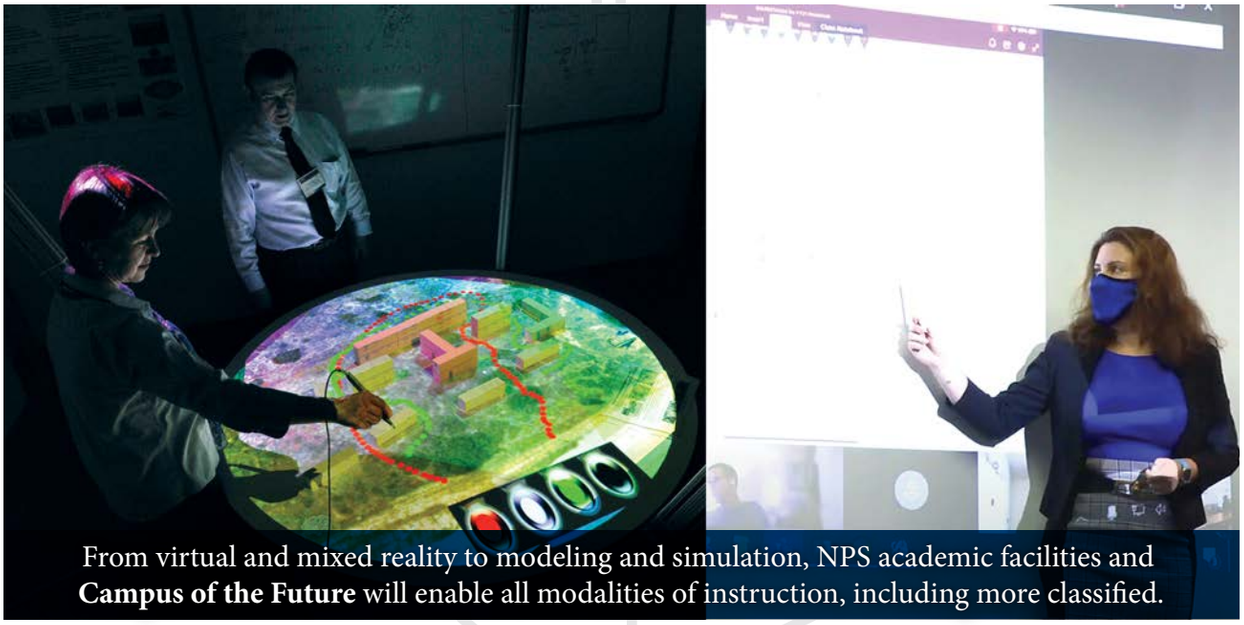
4 CLASSROOMS OF THE FUTURE

FLEx Classrooms with movable furniture and technology to support student-centered learning.

CAMPUS OF THE FUTURE
Integrating emerging technologies into the curricula and Virtual Classrooms will extend the NPS Smart Campus to the Fleet/Force. This includes a mobile virtual environment for information and data sharing, a modern mobile intranet using an artificial intelligence and 5G/6G to enhance educational delivery and collaboration.

16+ UNIQUE FACILITIES

- Common Operational Research Environment
- Cryptologic Research Laboratory
- Directed Energy Simulation Laboratory
- Interactive Digital Environment Analysis Laboratory
- Ocean Acoustic Observatory
- Radar/Electronic Warfare Laboratory
- Rocket and Combustion Laboratory
- Secure Computer Network Research Laboratory
- Secure Space Systems Research
- Spacecraft Research and Design Center
- Systems Technology Battle Laboratory
- Turbo Propulsion Laboratory
- Sea Land Air Military Research Initiative (5G lab)
- Energy and Energetics Lab (railgun and electric weapons)
- Anechoic Chamber (acoustics lab)
- Quantum Sensing Lab



From virtual and mixed reality to modeling and simulation, NPS academic facilities and **Campus of the Future** will enable all modalities of instruction, including more classified.

12 SYSTEMS ENGINEERING LABS

ROBODOJO (LAB)
Lab equipped with 3D printers, laser cutters, embedded computing, basic electronics, and robotic software programming for students, staff, faculty and friends to 'tinker' and learn about robot components and systems.

ARSENL (LAB)
Advanced robotic systems engineering laboratory for physically building, testing, and programming robots, such as unmanned aerial vehicles (UAVs) situated next to computation, modeling and simulation resources.

3 SECURE FACILITIES

SCIF, STBL, LIBRARY
NPS supports classified learning and communication in secure facilities.

68 MECHANICAL & AEROSPACE ENGINEERING LABS

SPACECRAFT ROBOTICS LABORATORY (LAB)
Lab set up to test instructional robotic manipulators with location sensors for multiple floating robots on the artificial weightlessness test bed of granite to verify and improve autonomous control theory of spacecraft.

CAVR (LAB)
Center for Autonomous Vehicle Research supports teaching and research in the area of autonomous systems, in particular underwater, surface and air vehicles.

9 SPACE SYSTEMS ACADEMIC GROUP LABS (LAB)

SMALL SATELLITE LABORATORY (LAB)
Labs equipped to design, build, aod flight qualify space payloads. Partners of this lab include DOD space, the Jet Propulsion Laboratory and the Air Force Institute of Technology.

IMMEDIATE IMPACT
FUTURE ADVANTAGE
ENDURING LEADERSHIP

OFFICE OF UNIVERSITY COMMUNICATIONS
NAVAL POSTGRADUATE SCHOOL

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