



Academic Advising &
Orientation Session
Class of 2027





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Naval Academy Mission

To develop midshipmen **morally, mentally, and physically** and to imbue them with the highest ideals of duty, honor and loyalty in order to graduate leaders who are dedicated to a career of naval service and have potential for future development in mind and character to assume the highest responsibilities of command, citizenship and government.



USNA Majors

College of Engineering and Weapons	College of Mathematics and Science	College of Humanities and Social Sciences
EAS: Aerospace Engineering*	SCH: Chemistry*	FLA: Arabic
EEE: Electrical Engineering*	SCS: Computer Science*	FAS: Area Studies (Middle East or Asia)
ECE: Computer Engineering*	SCY: Cyber Operations*	FLC: Chinese
EGE: General Engineering*	SDS: Data Science*	FPS: Political Science
EME: Mechanical Engineering*	SGS: General Science*	FQE: Quantitative Economics*
ENM: Naval Arch & Marine Eng*	SMA: Mathematics*	HEG: English
ENR: Nuclear Engineering*	SME: Math with Economics*	HHS: History
EOE: Ocean Engineering*	SMO: Operations Research*	
ERC: Robotics and Control Engineering*	SOC: Oceanography*	
	SPH: Physics*	* = STEM MAJOR



USNA Core Curriculum

4/C Year		3/C Year		2/C Year		1/C Year	
Seamanship/Leadership 1	Cyber 1	Navigation and Piloting	Ethics	Maritime Warfare	Leadership	Law of the Junior Officers	J.O. Practicum
Chemistry 1	Chemistry 2	Physics 1	Physics 2	Electrical Engineering	Cyber 2	Tech Elective	Weapons Systems
Calculus 1	Calculus 2	Calculus 3	4 th Math Class		Ship Propulsion	Warfare Systems	Control Systems
English 1	English 2	History in the Pre-Modern	History in the Post Modern				
Naval History	US Government			Humanities Elective		Humanities Elective	
Boxing/Wrestling	Swimming 1	Swimming 2	Personal Conditioning	Swimming 3			

- Overall requirement – complete the majors matrix; each of which is comprised of approx. 40 courses or 140 credit hours over the 4-year program. Normally 18 credit hours per semester.



Typical Plebe Year

FALL		
Calculus I	SM121	4-0-4 (4 cr)
Chemistry I	SC111	3-2-4 (4 cr)
English I	HE111	3-0-3 (3 cr)
U.S. Government	FP130	3-0-3 (3 cr)
Seamanship	NS101	1-2-2 (2 cr)
Leadership	NL110	2-0-2 (2 cr)
P.E.	PE101	1-0-0 (0 cr)
6 Courses + PE	18 Credits 20 Contact Hrs	

SPRING		
Calculus II	SM122	4-0-4 (4 cr)
Chemistry II	SC112	3-2-4 (4 cr)
English II	HE112	3-0-3 (3 cr)
U.S. Naval History	HH104	3-0-3 (3 cr)
Cyber I	SY110	2-2-3 (3 cr)
P.E.	PE102	1-0-0 (0 cr)
5 Courses + PE	17 Credits 19 Contact Hrs	





Mathematics (SM)

FALL

Pre-Calculus	SM005	4-1-4 (4 cr)
Calculus I	SM121	4-0-4 (4 cr)
Calculus II	SM122	4-0-4 (4 cr)
Calc III w/ Vector Fields	SM221P	4-0-4 (4 cr)

SPRING

Calculus I	SM121A	4-1-4 (4 cr)
Calculus II	SM122	4-0-4 (4 cr)
Calc III w/ Vector Fields	SM221	4-0-4 (4 cr)
Differential Equations	SM212P	4-0-4 (4 cr)



Chemistry (SC)

FALL

Foundations of Chemistry I

SC111

3-2-4
(4 cr)

Modern Chemistry
(Course for midshipmen who validated one semester of Chemistry)

SC151

3-2-4
(4 cr)

SPRING

Foundations of Chemistry II

SC112

3-2-4
(4 cr)

No Specific Follow-On Course
(Some Possibilities Include: HH215, FP210, FP230, or SP211P)



English (HE)

FALL

Practical Writing

HE101

3-0-3
(3 cr)

Rhetoric and Intro to Literature I

HE111

3-0-3
(3 cr)

Rhetoric and Intro to Literature I

HE111S
(Honors)

3-0-3
(3 cr)

Rhetoric and Intro to Literature II

HE112V

3-0-3
(3 cr)

SPRING

Rhetoric and Intro to Literature I

HE111

3-0-3
(3 cr)

Rhetoric and Intro to Literature II

HE112

3-0-3
(3 cr)

Rhetoric and Intro to Literature II

HE112S
(Honors)

3-0-3
(3 cr)

No Specific Follow-On Course
Some Possibilities Are:
HH215 , HH216, FP210, FP230, or
HE242, SE201



FP, HH, NL, NS & SY Courses

FALL			SPRING			
U.S. Government and Constitutional Development	FP130	3-0-3 (3 cr)	↔	American Naval History	HH104	3-0-3 (3 cr)
Prepare to Lead Seamanship	NL110 NS101	2-0-2 (2 cr) 1-2-2 (2 cr)	↔	Cyber Security	SY110	2-2-3 (3 cr)



Preregistration Guide 2027

<u>Fall Semester Course</u>	<u>Spring Semester Course</u>	<u>Summer School</u>
SM005	SM121A	Yes
SM121	SM122	
SM122	SM221	
SM221P	SM212P (Preferred)	
SM212 or SM222	No Follow-On Course	
SC111	SC112	
SC151	FP210, FP230, HE242, HH215, HH216, SI204, FL or FREL	
HE101	HE111W	No
HE111	HE112	
HE111S	HE112S	
HE112V	HH215 (Preferred), HE242, FP210, FP230, SI204, FL or FREL	
FP130/FP130X	HH104 or HH104X	
HH104	FP130	
NL110	SY110 (Approx. half the Class)	
NS101	SY110 (Approx. half the Class)	
SY110	NL110 & NS101 (Approx. half the Class)	
PE101	PE102	



Speaking of Math.....

DO NOT THROW AWAY the WebAssign Access Code that comes wrapped in a bundle with your calculus text!!! **Yes, you need it!!!**

Also we do not recommend buying a used Calculus textbook, the access code does not come with a used text and it is required by most of our instructors.

Set up your WebAssign account with username m27xxxx. Then write your username in the front of your text. Register the first week of class even if your course this fall is not utilizing the system.

You will use the same text for Calculus I, II, & III. **Do not sell your textbook until you have passed Calculus III!**





Course Identifiers

College:

- E – Engineering
- S – Math & Science / Quantitative Econ
- H – History / English
- F – Poli Sci / Econ / Languages
- N – Pro Dev / Officer Dev
- P – Phys Ed

Nominal Year:

- 1 – 4/c
- 2 – 3/c
- 3 – 2/c
- 4 – 1/c

Typical Variants:

- P – Plebe
- A – Additional help
- S – Honors
- V – Validators
- X – International Mids

S**M****2****2****1****P**

Unique Course Identifier

Engineering:

- A – Aero/Astro
- C – Computer
- E – Electrical
- M – Mechanical
- N – Naval/Ocean
- R – Nuclear
- W – Robotics and Control Engineering

Math & Science:

- C – Chemistry
- D - Data Science
- I/S – Computer Sci
- M/A – Math
- O – Oceanography
- P – Physics
- Y - Cyber

Hum & Soc Sci:

- E – Econ or English
- H – History
- P – Political Science
- X – Arabic, Chinese, French, German, Japanese, Russian or Spanish



Languages

We offer courses in seven (7) languages:

- Arabic
- Chinese
- Japanese
- Russian
- French
- German
- Spanish

Midshipmen can **major** in Arabic and Chinese.

Midshipmen can **minor** in any of our 7 languages.

One additional language validation exam opportunity will occur during the Fall semester.

- Notices will be emailed at the beginning of the AY.
- **Remember, all validations open matrix opportunities!!!** *Language minors, study abroad, independent research and graduate education opportunities become more possible with validations.*
- Midn who fail to register are often placed in languages classes that don't increase their skill-set.

Bottom Line - Ensure you test and determine your validation eligibility.



Grades

Grade	Quality Points
A	4.00
A-	3.70
B+	3.30
B	3.00
B-	2.70
C+	2.30
C	2.00
C-	1.70
D+	1.30
D	1.00
F	0.00

Progress Reports:
6 weeks and 12 weeks
Midshipmen Academic Performance Reports (MAPR):(required C- and below)
End of Semester:
QPR and CQPR assigned;
PRT & PE Grades,
Aptitude & Conduct Grades are also assigned.

EXAMPLE

GRADE	COURSE	QPTs	HOURS		
A	SC111	4.00	4	16.0	
B-	SM121	2.70	4	10.8	
A	FP130	4.00	3	12.0	
A-	HE111	3.70	3	11.1	
C+	SY110	2.30	3	6.9	
		TOTAL	17	56.8	QPR= 56.8/17=
					3.34



Credits

CREDIT HOURS PER SEMESTER

MINIMUM = 15 HOURS

MAXIMUM = APPROXIMATELY 18 HOURS

AVERAGE = 17 HOURS

	Lectures per Week	Lab Hours	Credits
Chemistry Course -SC111	3	2	4
Calculus I - SM121	4	0	4
Seamanship - NS101	1	2	2

- *In AY 2024 Students in their 4/C year may not overload (take an additional course) beyond the 18 credit limit, in the Fall Semester.*
- *In Spring Semester AY24 4/C may overload one course if CQPR \geq 3.4*



Physical Education

Fall:

- **PE101 – Boxing & Wrestling**
 - **Boxing:** Plebes can validate boxing during their Plebe summer boxing program. If they do not participate in the Plebe summer program, they need to inform the instructor if they have prior boxing experience, and the instructor can test and validate them during the PE class during the Academic Year. (POC: Coach James McNally)
 - **Wrestling:** Plebes can validate during their Plebe Summer wrestling class. If they were varsity wrestlers in high school, they have to have earned at least 2 varsity letters.

Spring:

- **PE102 – Swimming:** Plebes can validate on the first day of their swim class during the academic year. They must achieve a time of 3:30 or faster for a 200 meter swim and jump from the 5 meter platform.



Student Responsibilities

- Contact your adviser and every instructor regularly. *We absolutely reject the idea that asking for supplementary assistance or extra instruction somehow means that you're not smart or talented.*
- **Read email and Blackboard postings carefully** and follow instructions.
- Utilize instructor and advisor office hours.
- Make appointments in advance and keep them.
- Follow-up on advice and referrals.
- **Never forget that USNA is about respect and dignity!**



Validation Policies

Department	Validation Opportunity in the Summer	Upper Level Validation
School of Engineering and Weapons		
Engineering	No validation tests are administered during plebe summer.	Interview, test
School of Mathematics and Science		
Chemistry	Tests administered for Chemistry 1 and Chemistry 2.	Interview, test
Computer Science	No validation tests are administered during plebe summer.	
Mathematics	Tests administered for Calculus 1 ("AB" AP \geq 4 validates) and Calculus 2 ("BC" AP \geq 4 validates). Additional validations are handled on a case-by-case basis after the start of the Academic Year. Students should contact LCDR Chris Smith w/questions.	
Oceanography	No validation tests are administered during plebe summer.	
Physics	Tests administered for Physics 1 and Physics 2. (see next slide)	
Division of Leadership Education and Development		
Leadership, Ethics, and Law	No validation tests are administered during plebe summer. Introductory Psychology AP \geq 4 validates NL200.	



Validation Policies

USNA Physics Department validation policies for SP211 General Physics I and SP212 General Physics II

- The physics validation exams were already administered to **invited plebes who did not waive** their opportunity (via ABS responses through Blackboard submitted prior to I-day).
- **The USNA Physics Department does not use AP scores.**
- To be invited, you must have already taken a calculus-based physics course of some kind (AP, IB, college courses). **Calculus separately with a non-calc physics courses does not qualify.**
- To attempt validation of SP212, you must have already successfully validated SP211.
- For NAPS students, only the advanced level can lead to a validation attempt, and those validation exams were already administered at NAPS.

Occasionally a qualifying student slips through the cracks and does not receive an invite and thus the student did not have the opportunity to accept or waive.

*If you feel this might be you. You can reach out to the USNA Physics Department Chair, **Professor Paul Mikulski**, mikulski@usna.edu.*



Validation Policies

Department	Validation Opportunity in the Summer	Upper Level Validation
	School of Humanities and Social Sciences	
Economics	No validation tests are administered during plebe summer. AP Micro ≥ 4 validates SE201 and AP Macro ≥ 4 validates SE202.	Interview, test
English	Tests administered for English 1 (AP=5 or IB=7, Literature or Language, validates)	Syllabus, transcript
History	<p>-HH104 may be validated only on the basis of having completed a US Naval History course at a 4-year college. NROTC courses sometimes count for this credit, but it depends on the program. To apply for validation: submit copy of transcript, copy of course syllabus, and copy of longest writing assignment to the HH104 Coordinator for assessment.</p> <p>-HH215 may be validated by successfully completing an equivalent course at a 4-year college. To apply for validation: submit copy of transcript, copy of course syllabus, and copy of longest writing assignment to the HH215 Coordinator for assessment.</p> <p>-HH216 is the only history course that may be validated by an AP test. A score of 5 is required on the AP World History: Modern exam plus a 5 on either the AP US History or the AP European History exams.</p>	Syllabus, transcript, and interview.
Political Science	No validation tests are administered during plebe summer. American Government AP ≥ 4 validates FP130. Comparative Politics AP ≥ 4 validates FP230.	Syllabus, transcript



Validation Policies

School of Humanities and Social Sciences

Arabic AP=5 validates FA101/FA102

Chinese AP=5 validates FC101/FC102

French AP \geq 4 validates FF101/FF102 and
French AP=5 results in placement in FF3XX

German AP \geq 4 validates FG101/FG102 and
German AP=5 results in placement in FG3XX

Japanese AP=5 validates FJ102/FJ102

Russian AP=5 validates FR101/FR102

Spanish AP \geq 4 validates FS103/FS104

Spanish AP=5 results in placement in FS3XX

Language
Studies

An additional
language
validation and
placement
exam will be in
the fall.
Interview, test



Validation Policies

Another Reminder -- Validations open matrix opportunities!!!

Language minors, study abroad, independent research and graduate education opportunities become more possible with validations.

If you think you may validate a course you are currently scheduled to take in the fall (typically FP130 or HH104 from prior college courses), please notify your academic adviser!

Be thoughtful about validations! Speak with your academic adviser. Students occasionally forego a validation because they believe they can take the course and boost their QPR.

Think broadly. If you're concerned with the course material, taking the course is smart. If you're confident in the subject area, using that time to move ahead in your matrix may be the best strategy. Engage your adviser on the subject!



AP Scores

- Scores have been received for most midshipmen
- Validation credits will be awarded to those with qualifying scores and can be viewed in MIDS
- Options to check your scores are as follows:
 - Go to <https://apscore.collegeboard.org>
You may need your AP number (or student ID number) you entered on your AP answer sheet
- Requesting Official AP Scores
 - Official Score reports are required to receive validation credit.
 - Go to the ap score website and use the “send scores” option.
USNA’s college code is 5809
 - The College Board charges \$15 to send scores, \$25 for rush orders



Supplemental Instruction (SI)

1963 Center for Academic Excellence:

- **Supplementary Instruction (SI) Classes.** Cyber (XS110), Chem (XS111), Calc 1 (XS121), Calc III (XS221), and Physics (XS211)
- You may sign up for SI classes at the end of this presentation.

KEY POINT - At USNA supplementary instruction (SI) does not relate to how smart you are, or how well we predict you'll perform here, it only relates to how practiced you are in a certain area.
USNA is about becoming, not being.....

Computer Usage Rules

- You will now have laptop access, but only for the purposes of learning
 - validations (in MIDS)
 - fall course placements (in MIDS)
 - AP scores if needed to resolve questions
- **Do not use your laptops for any social media, news, e-mail, YouTube, etc. <i.e. nothing unnecessary>**
- If you need to access your email in order to resolve an AP placement question, you must ask permission from the adviser/TAD.



Accessing Validations and Fall course pre-registration

1) intranet.usna.edu,
click on MIDS icon

The screenshot shows the USNA Intranet homepage. At the top, there is a blue header with the USNA crest and the word "INTRANET". Below the header, there are two main navigation tabs: "DEPARTMENTS" and "ACADEMICS". Under the "ACADEMICS" tab, there are four circular icons: "Gmail" (envelope icon), "Blackboard" (Bb icon), "MIDS" (people icon), and "POD" (clipboard icon). A blue arrow points to the "MIDS" icon. Below the navigation tabs, there are two columns of content. The left column is titled "Schedules & Events" and lists: Academic, Athletics, Building Schedulers, Commandant/MIDN, Concerts, and Request a Venue. The right column is titled "Today @ USNA" and lists: King Hall Menus, Plan of the Day (PoD), PoD (Tomorrow), This Week at USNA, and Weather Forecast.



Accessing Validations

2) Type m27XXX (your alpha) and password. Then click on the “Midshipman” Tab

Midshipmen Information System (MIDS)

- ABOUT MIDS
- GENERAL ACADEMICS
- USER REPOSITORY
- AD HOC QUERIES
- REPORTS
- LOG OFF
- ITSD ADMINISTRATION

- Academic Center
- Academic Dean
- Commandant's Staff
- Department Chair
- Faculty



- Logistics
- Mid Personnel Office
- Midshipmen
- Physical Education
- ProDev



Registrar

Warning: For security purposes, please exit the browser when PC is unattended.

For assistance contact the [Information Technology Service Center \(ITSC\)](#) at syshelp@usna.edu or call 410-293-3500.

Revision Date : August 12, 2015
URL : <https://mids.usna.edu>
[Privacy & Security Notice](#)



Accessing Preliminary Placements

3) click on Matrices - Query Current Midshipman

https://midstest.usna.edu/ITSD/ri x +

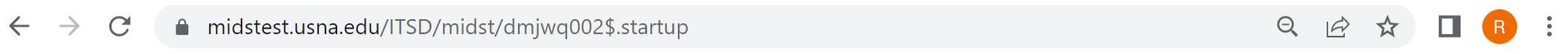
midstest.usna.edu/ITSD/midst/sc_pkg.display_user_urls?p_level1_area_in=MD

- [Courses - Register](#)
- [ECAs - Maintain Rosters](#)
- [Excuses - Enter](#)
- [Honor - Query Offenses](#)
- [Intramurals - Record Game Results](#)
- [Intramurals - Sign-up](#)
- [Leave Addresses - Maintain](#)
- [MAPR \(Midshipman Academic Performance Report\) - Query](#)
- [Major - Declare](#)
- [Major - Enter Preliminary Preferences](#)
- [Matrices - Query Current Midshipman](#)
- [Matrices - Query Major Requirements](#)
- [Midshipmen \(1/C Only\) - Query Restrictions, LOL, LOP](#)
- [Midshipmen - Performance Record](#)
- [Midshipmen - Query Photos](#)
- [Midshipmen Leave - Enter](#)
- [Midshipmen Leave - Sign Out/Sign In](#)
- [NASS Candidate Fitness Assessment \(CFA\) Application - Enter](#)
- [NASS Evaluations - Enter](#)
- [OPINFO - Register and Approvals](#)
- [Outreach Program Evaluations - Enter](#)
- [PE Course and PRT Scores - Query](#)
- [PE Mark - Query](#)
- [Personal Computer Information - Maintain](#)
- [Personal Information - Maintain](#)
- [Religious Preferences - Maintain](#)
- [Schedules - Query Midshipmen](#)
- [Schedules - Query Potential Mid Schedules](#)
- [Schedules - Query Schedule for Next Semester](#)
- [Service Assignment - Career Interest Survey](#)
- [Service Assignment - Career Preferences \(Final\)](#)
- [Service Assignment - Career Preferences \(Initial\)](#)
- [Service Assignment - Career Preferences \(Tentative\)](#)



Accessing Preliminary Placements

4) then click Submit



Matrices - Query Current Midshipman

Alpha: 269999
Name: Bill The Goat
Class Year: 2026
Assigned Major:

Format for Current Major: ←

Major for Temporary Change:



- Help
- MIDS Home
- Academic Center
- Academic Dean
- Commandant's Staff
- Department Chair
- Faculty
- General Academics
- Logistics
- Mid Personnel Office
- Midshipmen
- Physical Education
- ProDev
- Registrar
- LOG OFF



Accessing Preliminary Placements

midstest.usna.edu/ITSD/midst/DMJWQ002\$.query_matrices

Midshipmen Matrices

Group = MR Format = MATRIX

Alpha: 269999 Mid: GOAT BILL T Co: 5 Maj: Adv: ISOM R G

Semester: 23 SUMMER Block 1

FP130 V SM121 V

Courses you validated via USNA testing or received AP / IB scores

Credits Earned at USNA: Tot Hrs: 0 Tot Pts: 0 CQPR: 0.00

Preregistration Courses:

HE111 HH104 NL110 NS101 SC111 SM122

Viewing matrix 1 of 1

- Help
- Return
- MIDS Home
- Academic Center
- Academic Dean
- Commandant's Staff
- Department Chair
- Faculty
- General Academics
- Logistics
- Mid Personnel Office
- Midshipmen
- Physical Education
- ProDev
- Registrar
- LOG OFF



Accessing Preliminary Placements

midstest.usna.edu/ITSD/midst/DMJWQ002\$.query_matrices

Midshipmen Matrices

Group = MR Format = MATRIX

Alpha: 269999 Mid: GOAT BILL T Co: 5 Maj: Adv: ISOM R G

Semester: 23 SUMMER Block 1

FP130 V SM121 V

Credits Earned at USNA: Tot Hrs: 0 Tot Pts: 0 CQPR: 0.00

Preregistration Courses:

HE111 HH104 NL110 NS101 SC111 SM122



Courses you are scheduled to take this fall. Verify that these are courses you cannot validate via AP scores

Viewing matrix 1 of 1

- Help
- Return
- MIDS Home
- Academic Center
- Academic Dean
- Commandant's Staff
- Department Chair
- Faculty
- General Academics
- Logistics
- Mid Personnel Office
- Midshipmen
- Physical Education
- ProDev
- Registrar
- LOG OFF



AP Scores

- **Link for reporting a course validation for a class you are scheduled to take in the FALL, that you think we missed (<https://forms.gle/5e97xzCMtFuCQFQP8>)**

College Board: <https://apscore.collegeboard.org>



Sign Up for Supplemental Instruction (XS Courses)

Please only fill out this google form if you wish to add one or more Supplemental Instruction courses.

- Supplemental Instruction (SI) provides regular, structured learning support in Chemistry, Math, Physics, and Cyber. These non-credit classes meet one period per week and are part of your academic schedule. Class sizes generally range from 8 to 12 students.
- The goal of the Supplemental Instruction classes is to improve learning within the technical discipline. The classes have no exams, quizzes, homework or grades!

(see email from isom@usna.edu to access this link)

<https://forms.gle/dP11jFCgXy3yH8oI7>



Medical Corps

It is possible to join the Medical Corps route right out of the academy.

Students can send questions about the medical / dental program to Professor Chris Kinter (kinter@usna.edu) or Professor Ina O'Carroll (ocarroll@usna.edu)

It's also useful to note that they support Naval Academy graduates who decide to go to medical or dental school after some time in other service communities.

Questions?

This is your time to:

- Ask/learn more about our specific validation policies, courses, and academic program. (*Here in your room*)
- To resolve specific **Fall Course** placement questions (Math, Chem, English, Poli Sci, History, Physics) with the Advising office and Department faculty. (*Return to Mahan Hall in your designated time slot*)

<https://apscore.collegeboard.org>

- [Link for reporting a validation that you think we missed](https://forms.gle/7S6cJcQEBTxhB2R56)
(<https://forms.gle/7S6cJcQEBTxhB2R56>)

All join Plebe Google Classroom: see email from isom@usna.edu



First Semester Course Summaries – Class of 2027

Most of the courses that a plebe is likely to encounter in his/her first semester at the Naval Academy are described in the following list.

Department or College	Course Number Credit	Course Description
Mathematics	SM005 4-1-4	Pre-calculus Mathematics. A pre-calculus course for those who need more preparation in algebra and trigonometry. Summer school is required. SM005 counts as a free elective (in matrices where there is a free elective).
	SM121 4-0-4	Calculus and Analytic Geometry I. A first calculus course for those who have not had a significant amount of calculus and have a good background in pre-calculus mathematics.
	SM122 4-0-4	Calculus and Analytic Geometry II. A second calculus course for one semester validators.



First Semester Courses – Class of 2027

Department or College	Course Number Credit	Course Description
Mathematics (Cont.)	SM212	Differential equations. Required of majors in most technical disciplines.
	Or SM222 4-0-4	Differential equations with matrices. Intended for mathematics and math with economics majors.
Chemistry	SC111 3-2-4	Foundations of Chemistry I. A first college level course in chemistry.
	SC151 3-2-4	Modern Chemistry. A one semester course which satisfies the plebe chemistry requirements for those who are well prepared in chemistry but are unable to validate for a full year.
Physics	SP211 3-2-4	General Physics. A first college-level course in physics.
	SP221 3-2-4	Physical Mechanics. A first college-level calculus-based physics course. Primarily for physics majors and others seeking a deeper understanding.
English	HE101 3-0-3	Practical Writing. For those whose writing skills need reinforcement prior to taking HE111W & HE112W. HE101 counts as a HUM/SS elective in all matrices. Summer school is not necessary.
	HE111 3-0-3	Rhetoric and Introduction to Literature I. Stresses writing of rhetorically effective and grammatically correct expository prose. Reading includes essays, short stories, and plays.



First Semester Courses – Class of 2027

Department or College	Course Number	Credit	Course Description
English (Cont.)	HE111S	3-0-3	Rhetoric and Introduction to Literature I. An honors level course for those who have well-developed writing skills.
	HE112V	3-0-3	Rhetoric and Introduction to Literature II. A continuation of HE111 for one semester validators. Readings include novels and poetry.
History	HH104	3-0-3	American Naval History. The history of American sea power.
Political Science	FP130	3-0-3	U.S. Government and Constitutional Development. A study of American democracy and the structure and function of its government and the Constitution that midshipmen take an oath to defend.
	FP130X	3-0-3	The basic concepts of American democracy and the Constitution placed in comparative context for midshipmen from foreign countries.
Leadership	NL110	2-0-2	Preparing to Lead. An introduction to the fundamentals of self-leadership, in the context of theories and principles of individual and group leadership.
Seamanship	NS101	1-2-2	Fundamentals of Seamanship. Provides basic maritime background in general ship characteristics, ship handling and Rules of the Road. Includes at-sea labs on YPs.
Computer Science	SY110	2-2-3	This introduction to Cyber Security is the first of two required courses that all midshipmen will take.
Languages & Cultures	FLXXX	3-0-3	Here is to be found a large collection of courses in Arabic (FA), Chinese (FC), French (FF), German (FG), Japanese (FJ), Russian (FR), and Spanish (FS), from the beginning level to advanced readings in literature for foreign cultures.



English Course Info

USNA Plebe English FAQs

I'm placed in HE101X. What does this mean?

As with math placement, there are several tracks of plebe English to fit your abilities. HE111/112 is the baseline track in which the majority (roughly 78%) of midshipmen place. The variations in the fall include:

HE101 Practical Writing (3-0-3) designed for students who have challenges with written English. They will take a three-semester track of English courses: HE101, HE111W, and HE112W. HE101 counts as a HUM/SS elective for all majors, so the extra semester of in the core English sequence does not add any burden to their overall course load.

HE101X: This variant of HE101 is designed for international candidates. They should take HE101X, HE111X, and HE112W. Students enrolled in HE101X should also take the one-credit HE044X, a weekly course designed to help with their acculturation to life in the United States.



English Course Info

USNA Plebe English FAQs

HE111 Rhetoric and Introduction to Literature I (3-0-3) The first of a two course sequence stressing the writing of rhetorically effective and grammatically correct expository prose. Readings include essays, short stories, and plays. [fall] Students enrolled in HE111 should take HE112 in the spring semester of plebe year.

HE111S Rhetoric and Introduction to Literature I (3-0-3) An honors level of HE111 for students with well-developed writing skills. [fall] The follow-on course is HE112S.

HE112V Rhetoric and Introduction to Literature II (3-0-3) A one-semester course in writing and literature, focused on novels and poetry. Prereq: validation of HE111, either through an AP/IB score or through an exceptional performance on the writing placement exam. There is no follow on. Most students should take this class in the fall, but two sections will be available in the spring semester as well.



English Course Info (Cont)

I was really good in high school English. I'm surprised I didn't validate. Why is that?

The English Department validates HE111 every year for roughly two hundred students. Because of the academic strength of the plebe class every year, many excellent students do not validate.

Can I validate both semesters of plebe English?

It's possible but extremely rare: perhaps one person every ten years does it.

Can I find out how I scored on the test?

The English Department does not give an exam a grade; normally two readers, in some cases three, will read it “holistically” and give one of four ratings, which correspond roughly with the placement levels in the plebe English sequence—your placement is your grade.

I did really well on my AP test—does that earn validation?

The English Department automatically awards validation credit for the first semester of Freshman English (HE111) for a score of 5 on either the AP Language and/or AP Literature exam. Keep in mind, however, AP score submissions can lag. Students may contact Professor Mark McWilliams, in the English Department (placement coordinator) if they believe that they are not categorized correctly.



English Course Info (Cont)

I placed in honors (HE111S/HE112S) will I have to work harder than in HE111/112?

Every class at the Naval Academy is based on the compact that you will strive to do your best, i.e. work your hardest, in all of your classes regardless of the course level. HE111S/112S carries the same credit weight and has similar course requirements and grading criteria to the standard HE111/112 track. That being said, you will be grouped with other midshipmen who have also demonstrated well-developed writing skills, so you can expect your peers to be discussing and writing about the literature at an equally high caliber.

Does participation in the IB program get any validation credit?

A score of 7 on the International Baccalaureate Higher Level (HL) English Exam (A1 Exam) earns the same validation as an AP5.

I've taken English classes at another college. Can I get credit?

Academy transfer credit rules are restrictive, but you may be able to receive credit for upper-level English courses taken at another university by petitioning the department chair.



International Program Info

Talking points for Class of 2027 – related to academic majors and International travel opportunities

USNA established International Programs Office in 2005 with the express purpose of facilitating programs outside of the classroom to develop foreign language proficiency, regional understanding and cultural awareness and appreciation

Semester study abroad program began in 2005.

This fall, approximately 80 midshipmen are expected to participate in semester programs abroad. The

Foreign language proficiency is a must for foreign naval academies, but we also send STEM majors to ABET accredited programs where foreign language proficiency not a requirement.

Program eligibility is 2/C MIDN or first semester 1/C year

Every Fall Semester there is an IPO Open House in which MIDN can learn which programs are being offered for the upcoming year. It is best to plan early so you save electives for your semester abroad and complete many core requirements at USNA.



International Program Info (Cont)

- Faculty-led programs. 10 day – 3 week opportunities for midshipmen.
 - No foreign language requirement
 - Programs vary year to year depending on what is proposed by faculty
 - Eligibility depends on focus of faculty member objectives but in some cases, plebes can apply
- Professional Training. Four week opportunities with foreign navies
 - Sometimes foreign language proficiency required
 - Preference for upper class participation, rare for plebes to be selected
- Participation not based on academic major (some exceptions exist for faculty led programs)
- Since 2007, 42% of participants for all programs abroad have been STEM majors
- **Points of contact:**
 - Tim Disher – Director, IPO – disher@usna.edu or 3-2981
 - Angela Yu – Deputy Director, IPO – akyu@usna.edu or 3-2993



Difference between SME and FQE

Mathematics with Economics major (SME)

The Mathematics with Economics major is an interdisciplinary major administered by the mathematics department. **The goal of this major is to produce graduates who are adept at using mathematics to understand and evaluate problems in economics.** The curriculum consists of an equal number of advanced courses in mathematics and economics. The mathematics with economics major prepares midshipmen with the analytic and computational tools to pursue further study in economics, finance, business administration or operations analysis. Leaders in these fields are using increasingly sophisticated statistical techniques to sift massive amounts of data for deep insights. In the Navy or Marine Corps, graduates from this major would be well equipped to solve problems in areas such as weapons analysis, manpower studies, decision analysis, and strategic problems. The Mathematics with Economics major is a good choice for midshipmen who are fascinated by economic applications and comfortable with mathematical theory and computation.

Quantitative Economics major (FQE)

The Quantitative Economics major has a strong emphasis on evaluating economics issues and policies through graphical, mathematical, and empirical approaches. The goal of the major is to produce graduates who can think critically and who can understand, explain and apply the core principles and quantitative methods of economics to resource allocation problems, the functioning of economic institutions, and the decisions of policy makers and other economic agents within a society. The Quantitative Economics major prepares midshipmen to be sound resource and financial managers and decision makers in the Navy and Marine Corps and beyond. The major consists of a rigorous sequence of principles, theory, and economic statistics and econometrics courses, and a set of major electives that allow the interested student to pursue upper-level economic policy courses as well as complementary interests in accounting and finance, mathematics, or foreign languages, making the Quantitative Economics major a good choice for midshipmen interested in languages and study abroad or graduate work in business, finance, or economics. Qualified students may also pursue advanced research opportunities through the Quantitative Economics Honors (FQEH) major.



Difference between SME and FQE

Midshipmen may well be interested in both the Mathematics with Economics major (SME) and the Quantitative Economics major (FQE).

The Quantitative Economics major allows a broader and more in-depth study of economics policies and issues and also offers opportunities to pursue a background in accounting and financial analysis, study foreign languages or participate in an honors program in economics.

The Mathematics with Economics major allows midshipmen to support their study of economics with an in-depth study of related mathematical material. Midshipmen who are comfortable with and interested in mathematics would enjoy the Mathematics with Economics major. In particular, students interested in advanced graduate level study in economics or related fields are encouraged to either choose Mathematics with Economics or to pursue appropriate math-intensive electives available in the Quantitative Economics major.

Though it is possible to complete a large portion of each major within the other major, we encourage midshipmen to select the major that most appeals to them during their plebe year so that they receive the most appropriate support and advising.



Accessing Validations

3) Click on “Academic Information - Query” Tab



Midshipmen

Warning: For security purposes, please exit the browser when PC is unattended.

- [360 Feedback - Query Results \(Midshipmen\)](#)
- [360 Feedback - Record](#)
- [Absences and Excuses - Query](#)
- [Academic Information - Query](#)
- [Access Dates \(for Midshipmen\) - Query](#)
- [Aptitude for Commission - Midshipmen Ranking](#)
- [Aviation Physiology - Apply](#)
- [COMAPs - Query](#)
- [Character Development Seminar - Register](#)
- [Conduct \(1/C Mids Only\) - Record Offenses](#)
- [Conduct - Acknowledge Conduct Record \(Form 1\)](#)
- [Conduct - Enter Plea](#)
- [Conduct - Query Demerits and Standings](#)



Accessing Validations

4) View Academic Information Tab and hit SUMBIT

Academic Information - Query

- [View Academic Information](#)
- [View Semester Grade Card](#)
- [View Midshipmen Matrix](#)



Accessing Validations

Bill The Goat/269999/05



Birth Date: 03-APR-2002
Feeder Source:
Former Military Service:
High SATM: 650
High SATV: 710
Major:
Major Code:
Midshipmen Status: ACTIVE
Adviser: Roger Jerome Isom Sr.

Standings

Ac Yr	Sem	Bik Nbr	Sem Hrs	Cum Hrs	Cum Maj Hrs	Sem Qual Pts	Cum Qual Pts	Cum Maj Qual Pts	Sem QPR	Proj Cum QPR	Cum QPR	Cum Maj QPR	Sem MII QPR	Cum MII QPR	PRT	ATHPER
2023	FALL	1														
2023	SUMMER	1	0	0	0	0	0	0	0	0	0	0	0	0		

Records 1 to 2 of 2

Orders of Merit, Honors and Probation

Ac Yr	Sem	Bik Nbr	Class Size	OOM	AOM	MOM	Supts List	Dants List	Deans List	Probation
2023	FALL	1								
2023	SUMMER	1								

Records 1 to 2 of 2

Grades

Ac Yr	Sem	Bik Nbr	Course	Title	Section	6 Week	12 Week	End of Term	Exam	Course	Repeated
2023	SUMMER	1	FP130	U. S. GOVT AND CONSTITUTIONAL DEV						V	
2023	SUMMER	1	SM121	CALCULUS I						V	

Records 1 to 2 of 2

Summer Interim Grades

No Records returned

Academic Board Cases

No Records returned