



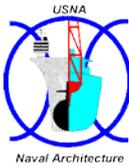
NAOE Honors Majors Description and Requirements



- **Eligibility:** Students who meet the following criteria are eligible for consideration for the ENMH or EOEH program:
 - ✓ A core CQPR of 3.0 or above
 - ✓ An ENM or EOE major CQPR of 3.5 or above
 - ✓ No 'D' or 'F' final grades in any course

- **Application:**
 - Eligible students will be invited to apply to the Honors Program through the Senior Academic Advisor in his/her program within one week of the start of the Spring semester of 2/C year.
 - Students deciding to apply shall submit an honors research proposal prior to Preregistration. Decisions will be promulgated before Registration in the spring semester.
 - Students who were not eligible at that decision point and whose spring semester 2/C year work make them eligible may be invited to join the honors major after grade submission in the spring.
 - Any applications received after the spring preregistration deadline will be handled on a case-by-case basis. In all instances, all thesis proposals must be submitted prior to leaving for summer training.

- **Entrance Appeal:**
 - A student who wishes to enter a NAOE honors major but who does not meet the eligibility requirements may request a formal review for provisional entrance into the major, at the Department Chair's discretion.



- **Graduation with Honors:**
 - **In order to graduate with Honors in ENMH or EOEH, a midshipman must meet the same standards in honor, conduct, military performance, physical education and summer training as required for all degrees at the Naval Academy.**
 - **In addition, the midshipman must complete the honors matrix and achieve the following standards of academic performance:**
 - ✓ A core CQPR of 3.0 or above
 - ✓ An ENM or EOE major CQPR of 3.5 or above
 - ✓ No 'D' or 'F' final grades in any course
 - **In the case that all of these requirements are met at graduation, the diploma and transcript of the midshipman will bear the notation "Bachelor of Science, Naval Architecture, with Honors" or "Bachelor of Science, Ocean Engineering, with Honors."**
- **Exit from honors program: A midshipman may be disenrolled from ENMH to ENM, or EOEH to EOE in the following ways:**
 - **Voluntarily, at the end of a semester.**
 - **Failing to meet requirements for graduation in the Honors Major in a non-recoverable fashion. In this case, the Department Chair will disenroll the midshipman**



○ Personnel:

- The ENM and EOE Program Directors will act as points of contact and overall program administrators for the ENMH and EOEH honors programs.
- The NAOE Faculty Honors Committee shall determine the acceptance of the honors majors.
 - ✓ The committee will be chaired by the NAOE Department Chair and shall include:
 - ✓ the ENM and EOE Program Directors,
 - ✓ the Associate Chair
 - ✓ and the NAOE Research Course Coordinator.
- NAOE honors majors will be advised by the faculty of the NAOE Department just as are ENM and EOE majors.
- Each honors thesis will be advised by a Thesis Advisor and assessed by a designated Thesis Committee consisting of the Advisor and at least two other faculty members, one of which must be a qualified person from outside the student's major program. The Thesis Advisor shall chair the Thesis Committee.
- The ENM and EOE Program Directors are the nominal representatives of the ENMH and EOEH programs in the yard-wide Honors Committee (per Ref (a)), but he/she may designate a suitable replacement to sit on that Committee.



- **Honors Elective: The Honors Elective will be restricted to those courses identified by the NAOE faculty as ones which will provide the student the kind of additional preparation that will help them to be successful in graduate school. The currently identified courses are:**

EA428	Computational Aerodynamics
EM424	(new number) Applied Mathematics for Graduate Engineers
EM486A	(a new number is in the works) Computational Fluid Dynamics
EN456	Advanced Methods in Ship Design
SA367	Introduction to Mathematical Modeling
SM311	Engineering Mathematics I
SM312	Engineering Mathematics II
SM315	Introduction to Partial Differential Equations
SM365	Introduction to Scientific Computing
SM425	Advanced Numerical Analysis
SM426	Numerical Methods for Differential Equations
SP411	Underwater Acoustics and Sonar



○ EN503H and EN504H:

- EN503H and EN504H are honors level research courses with a thesis requirement. Early in the spring of 2/C year, students prepare an honors research proposal which they submit to the NAOE Faculty Honors Committee (NFHC) prior to Preregistration. The NFHC will review the proposals, provide feedback, determine acceptance and provide notification to the student prior to Registration for the fall semester.
- The proposal shall follow the format for the Bowman Scholar Project with the exceptions that the proposals shall be addressed to the NAOE Department Chairman. The proposal shall also include the nomination of a Thesis Advisor and a Thesis Committee comprising the Advisor and at least two other faculty members, one of which must be a qualified person from outside the student's major program. The proposal shall address an area of major independent research or creative engineering development.
- The Thesis Advisor shall chair the Thesis Committee. The student shall meet with his/her Thesis Advisor at least weekly while enrolled in EN503H/EN504H and with the Thesis Committee at least three times each semester, preferably during weeks 6, 12 and 16.
- The Thesis Advisor shall be responsible for determining the 6 and 12-week grades, and the Thesis Committee shall jointly determine the final semester grade. A semester grade of "D" or "F" in either EN503H or EN504H shall cause removal from the NAOE Honors Program.
- Honors students are required to submit an interim report at the end of EN503H. For EN504H, each student is required to submit a final written thesis to his/her Thesis Committee and orally present project results to the NAOE faculty during the final exam period. The thesis must represent significant, original, high-quality work and will follow the format of a Trident Scholar report.