

Minor/Concentration Requirements

Business Minor Required Courses: MA101, MA111, MA222 and Any 2 of the following: EC102, EC103, LO201, LO213, LO311, LO334, LO422, LO432, MA242, MA243, MA304, MA312, MA332, MA342, MA422, MA470, MA498 and Any 1 of the following: ET377, GE221, HC232, MS253, NS122, NS131, NS210, NS301, NS325, NS335, NS420, NV401, NV402, OS203.

Humanities & Social Science Required Courses: HC112 or 211, any HC course except HC111 & HC232, and any HY, PY, GE, or PO course. In addition: NV202, NV310, NV402, NV410 may be used to fulfill minor requirements. Nine credits hours of the 18 credits required must be at the 300 level or higher. *IBL majors: no courses required of your major may be used for this minor.

Industrial Powerplant Technology Required Courses: ET211 or ES251, ET212 or ES352, ET498, ET499 and Any 1 of the following: ET201, ET377, ET202, ET301, EG491, ET378, MS251, NS421. Optional for a Concentration: ET401, ET432, EG422; Others with the approval of the advisor.

Marine Biology

Required Courses: BI101, BI102, BI210, BI220 and Any 2 of the following: BI201, BI218, BI301, BI306, BI308, BI312, BI320.

Marine Engineering Operations Required Courses: EG101, CR103, EG261, EG292, ET371 and 5 credits from the following: ET101, ET201, EG252, EG321, EG372, EG392, ET211, EG243.

Marine Transportation Operations Required Courses: NS101 & NS241 and 15 credits of NS-designated courses.

Mathematics Required Courses: MS252 and MS260, plus At least one of the following: MS251, MS253, MS420, MS451 and Up to two courses from: computer programming, physics, engineering, math (except calculus courses) approved by minor advisor.

Naval Architecture Required Courses: NA152 or, NS102 and NS301, ET202 or ES205, ET230 or ES235, ET201 or ES245, NA372, NA430.

Naval Science Required Courses: PE100, NV101, EG101, NV202, NV211, (NV301 and NV302) or (NV310 and NV410), NV402.

Oceanography Required Courses: OC101 or OS101, plus courses from the following list: BI210, BI220, BI306, OC210 or OS309, OS204 or OS308, OS212, OS321, or OS499 for a total of 18 credits in Ocean Studies coursework.

Physical Science Required Courses: 18 credit hours from the following fields: chemistry, meteorology, ocean studies, or physics. At least 2 courses must be of a sequential nature and the minor advisor must approve inclusion of any course towards this minor.

Sail Training Required Courses: At least 18 credit hours in the following courses: PE200, NS344, CR214 (This course is required unless waived by the Minor Coordinator due to prior significant sailing experience), NS341, NS321, PE401, NS343, NS443, and NS445. (Note: For a Concentration, only 12 credit hours from the above courses is required.) Students not enrolled in the VOT major must take at least 6 credit hours in the following courses: PE100, PE114, NS241, NS132, NS135, NS232 and NS301.

Small Vessel Operations Required Courses: NS101, NS262, NS271 & NS272 plus any three NS-designated courses to total not less than 18 credit hours.

Technical Science Required Courses: ET211 or ES251 plus Any 3 to 5 of the following: ET202 or ES205, ET212 or ES352, ET220 or ES420, ET230 or ES235, ES245. Up to 2 of the following: MS120, MS160, MS251, MS252, CS150, CS220. The minor advisor may approve other courses.