

Webb Institute  
Undergraduate Curriculum Matrix  
(beginning with the Class of 2010)

| FRESHMEN                              |                               | SOPHOMORE                                  |                             | JUNIOR                                    |                              | SENIOR                                    |                                    |
|---------------------------------------|-------------------------------|--|-----------------------------|---|------------------------------|---|------------------------------------|
| FALL                                  | SPRING                        | FALL                                       | SPRING                      | FALL                                      | SPRING                       | FALL                                      | SPRING                             |
| Math I<br>4-0-4                       | Math II<br>4-0-4              | Math III<br>3-0-3                          | Math IV<br>4-0-4            | Prob/Stat<br>4-0-4                        | Thesis<br>0-1-½              | Thesis<br>0-5-2½                          | Thesis<br>0-6-3                    |
| Technical Comm.<br>2-0-2              | Political Philosophy<br>3-0-3 | Western Culture I<br>3-0-3                 | Western Culture II<br>2-0-2 | Hum/SS Elective<br>3-0-3                  | Dev. of Amer. Govt.<br>2-0-2 | Professional Ethics<br>3-0-3              | Professional Presentation<br>2-0-2 |
| Chemistry<br>3-1-3½                   | Material Science<br>3-0-3     | Strength of Materials<br>3-0-3             | Thermo dynamics<br>3-0-3    | Vibrations<br>3-0-3                       | Hydro dynamics<br>3-0-3      |   | Special Topic<br>3-0-3             |
| Physics I<br>3-0-3                    | Physics II<br>2-0-2           | CAD<br>0-2-1                               | Physics III<br>2-2-3        | EE I<br>2-2-3                             | EE II<br>2-2-3               | Engineering Economics<br>1-0-1            | Senior Sem<br>2-0-0                |
| Prog. & Applic.<br>2-1-2½             | Statics<br>3-0-3              | Dynamics<br>3-0-3                          | Fluids<br>3-0-3             |   | Ship Design I<br>1-4-3       | Ship Design II<br>2-4-4                   | Ship Design III<br>1-4-3           |
| Introduction to NA<br>2-2-3           | Science Lab<br>0-2-1          | Ship Statics<br>2-2-3                      |                             | Ship Resist. & Propulsion<br>2-2-3        | Ship Structures<br>2-2-3     | Ship Dynamics<br>2-2-3                    | Propulsor Design<br>3-0-3          |
|                                       | Intro to ME Systems<br>2-0-2  | ME System Components<br>2-2-3              | ME Machine Design<br>3-0-3  | ME Applied Thermo<br>3-0-3                | Ship Aux. Systems<br>3-2-4   | Ship Prop'n Systems<br>4-2-5              | Marine Transport'n<br>3-0-3        |
| 20/18                                 | 19/18                         | 23/19                                      | 19/18                       | 21/19                                     | 24/18½                       | 25/18½                                    | 24/17                              |
| ^<br>Ship/Boat Yard Trades Internship |                               | ^<br>Cadet/Observer Aboard Ship Internship |                             | ^<br>Marine Industry Internship (Juniors) |                              | ^<br>Marine Industry Internship (Seniors) |                                    |