

B. S. Oceanography (OCN)*College: Arts & Sciences***DEGREE REQUIREMENTS**

Course requirements for all UNCW degrees include: (1) University Studies, (2) specific major requirements, and (3) sufficient elective hours for a combined total of a minimum of 124 hours.

(1) UNIVERSITY STUDIES

See University Studies requirements online: <http://uncw.edu/uc/advising/unistudies.html>.

(2) MAJOR REQUIREMENTS – OCN (67-71 hours)**Core Courses:** (42-46 hours)

- _____ +GLY/OCN 150 Introduction to Oceanography (3)
 _____ **GLY/OCN 350** Advanced Oceanography (3) Prerequisite: GLY 150 or OCN 150
 _____ **OCN 390** Field Methods in Oceanography (2) Prerequisite: GLY 132 or consent of instructor
 (Meets **Applied Learning Requirement** with OCN 490)
 _____ **OCN 490** Oceanography Capstone (3) Prerequisites: Senior standing, completion of other core requirements
 and at least 15 hours of electives towards the major
 (Meets **Applied Learning Requirement** with OCN 390)
 (Meets **Oral Communication and Computer Requirements**)
 _____ +***CHM 101** General Chemistry I (4)
 _____ *CHM 102 General Chemistry II (4) Prerequisite: CHM 101
 _____ +**MAT 151-152** Basic Calculus with Applications I, II (3, 3) Prereq: MAT 111 or 115 or the equivalent
 or +**MAT 161-162** Calculus with Analytic Geometry I, II (4, 4) Prerequisite: MAT 112 or 115 or equivalent
 _____ +***PHY 101-102** Elementary College Physics I, II (4, 4) For 101: Corequisite: MAT 111
 or +***PHY 201-202** General Physics I, II (4, 4) For 101: Corequisite: MAT 161, For 102: Corequisite: MAT 162
 Choose three of the following: BIO +170 or *362, CHM 475, GLY *450, PHY 475.

Electives: (25 hours from 3 disciplines with 15 hours above the 299-level)

Choose 25 hours from the following: BIO ***366**, 434, 462, CHM *211, *212, *235, *312, *321, 365, *377, *435, *445, *478, ECN 330, EVS ***195**, 472, 479, 480, **GGY 222, 230**, *328, ***333**, *422, *424, *426, 433, GLY +**250, 420**, *458, *465, 472, 473, 510, 551, 552, 555, OCN 480, 491, **499**, OCNL 150, PHY 350, 477, 479, 480, 481, STT +**215**, or appropriate 280, 480, and 491 courses in CHM, EVS, GGY, GLY or PHY can be applied as electives with the approval of the program director and the Geography and Geology department chair.

A "C" (2.00) or better average is required on all courses taken within the department and a "C" (2.00) on all required courses above the 199 level in the department.

**These courses require a lab*

+*May also be used to satisfy University Studies Foundations & Approaches and Perspectives requirements*

Highlighted courses may meet University Studies Cluster, Competency, Exploration and/or Capstone course requirements

(3) ELECTIVES

_____ Elective hours to equal a minimum of 124 hours

Requirements to declare OCN: Completion of 24 hours

For further information, see the OCN website: <http://www.uncw.edu/earsoci/> and <http://catalogue.uncw.edu>.

MAJOR REQUIREMENTS WITHIN UNIVERSITY STUDIES

Note: **Highlighted courses** are within the major requirements/electives and also meet University Studies Cluster, Competency, Exploration and/or Capstone Course requirements.

THEMATIC TRANSDISCIPLINARY CLUSTERS

(At least 9 hours and 3 courses with at least 2 different prefixes – all eligible for multiple-counting.)

Students who complete a minor, a second major, or an approved concentration in their major are exempt from the requirement.)

Modeling: ANT 105, 207, **BIO** 201, **366**, **CHM 101**, CSC 112, 121, **EVS 195**, MAT 101, **151**, **152**, **161**, **162**, PSY 105, 256.

Immigration: ANT 316, 327, ENG 344, **FRH** 421, **HON** 210, **HST** 106, 340, INT 105, SPN 323, 490.

Climate Change and Society: ANT 312, GGY 140, **230**, **333**, 340, 436, **GLY 250**, **350**, **420**.

Global Diversity: ENG 341, 359, **HEA** 320, **HST** 104, 367, INT 105, **PAR** 230, 232, **PED** 206, 235, 350, **REC** 265, 351, 494.

Foundations for Systems Thinking: **BIO** 105, 201, 345, **366**, ECN 221, 250, **EXS** 216, 217, **RTH** 468.

Evolution: ANT 210, 320, 322, 324, 328, **BIO** 105, 202, 430, 475, **GLY** 132, 135, 337, **PSY** 257.

BUILDING COMPETENCIES

A. Writing Intensive: *(9 hours with at least one at the 300 – 400-level and at least one in the major)*

ACG 445, ANT 305, 308, 312, **ARH** 476, **ART** 476, **ATR** 445, **BIOL** 345, **366**, **CHM** 250, **CHML** 321, 420, **CLA** 209, 210, 330, **COM** 305, **CRM** 495, **CRW** 203, 496, **CSC** 385, 450, **EBD** 490, **ECN** 422, **EDN** 300, 352, **ENG** 110, 111, 202, 204, 205, 211, 223, 224, 225, 226, 227, 230, 232, 233, 290, 313, 495, 496, **EVS** 495, **FIN** 330, **FRH** 402, 411, 421, 470, 485, 491, 498, 499, **FST** 317, 367, 440, 445, 496, **GER** 495, 499, **GGY** **333**, 382, 435, 436, 499, **GLY** 337, 390, **420**, 499, **HEA** 305, **HST** 290, 408, 412, 414, 418, 440, 442, 444, 446, 448, 450, 454, 456, 477, 478, 480, 481, 483, 485, 487, 495, 496, 497, **INT** 490, **MAT** 346, 495, **MGT** 352, 458, **MKT** 343, **MUS** 351, 352, **NSG** 415, **OCN** **390**, **490**, **499**, **PAR** 301, 371, 373, 374, **PED** 415, **PLS** 401, **PSY** 355, 410, 412, 417, 423, 425, 464, **REC** 375, **SED** 372, **SOC** 490, 496, **SPN** 497, **SWK** 320.

B. Information Literacy: *(9 hours; First-Year Seminar and two additional courses with at least one in the major)*

ANT 308, 312, **ARH** 476, **ART** 476, **ATR** 445, **BIO** 495, **BIOL** 495, **CHM** 250, **COM** 200, **CRM** 300, 495, **CRW** 204, **CSC** 385, **ECN** 422, **ENG** 103, 200, 201, 202, 204, 205, **EVS** 495, **EXS** 359, **FRH** 304, 311, 318, 404, **FST** 371, 372, 376, 377, 378, 379, **GER** 495, **GGY** 215, **222**, **GLY** **350**, 390, **HEA** 452, **HON** 110, **HST** 290, **INT** 490, **MAT** 495, **NSG** 415, **OCN** **350**, **390**, **490**, **PAR** 300, 301, 400, **PLS** 201, **PSY** 355, 410, 412, 417, 423, 425, 464, **SEC** 430, 431, **SOC** 300, 390, 490, 496, **SPN** 497, **SWK** 321, **UNI** 101.

C. Quantitative and Logical Reasoning: *(3 hours – may be taken as a major requirement)*

ANT 324, **BIOL** **366**, **CHM** **101**, CSC 112, 121, 133, **FST** 445, **GGY** 215, **222**, 235, **GLY** 226, **350**, 390, 426, **MAT** 101, 102, 111, 112, 115, 141, 142, **151**, **152**, **161**, **162**, **OCN** **350**, **390**, **OPS** 370, **PAR** 110, 218, **PHY** **101**, **102**, **201**, **202**, **PLS** 201, **PSY** 225, **STT** 210, **215**.

EXPLORATIONS BEYOND THE CLASSROOM

(1 approved experience from the options below – may be integrated into the major or any other component)

Discovery (Directed Individual Study or Honors project), **Application** (Internships, Fieldwork Practicum, Student Teaching), **Regional Engagement** (Service Learning Projects), **Exploration Away** (Study Abroad)

ACG 491, 498, **ANT** 491, 498, **ANTL** 207, **ART** 491, **BIO** 291, 480, 491, 493, 495, 498, **BIOL** 495, **BLA** 491, 498, **CHM** 495, **COM** 491, 498, **CRM** 490, **CSC** 450, 491, 498, **EBD** 491, 498, **ECN** 491, 498, **EDN** 318, 323, 335, 352, 338, 355, 409, 411, 465, 466, 467, **EDNL** 200, 300, 302, 332, 333, 388, 407, 450, 451, **ENG** 202, 204, 302, 498, **EVS** 431, 491, 497, 498, **EVSL** **195**, **EXS** 347, **FIN** 491, 498, **FRH** 491, **FST** 498, **GER** 491, 498, **GGY** 424, 491, 498, **GLY** 390, 470, 491, 498, **INT** 294, 494, 491, 498, **MAT** 498, **MIS** 411, 413, 491, 498, **MGT** 491, 498, **MKT** 491, 498, **OCN** 390, 491, **OPS** 491, 498, **PAR** 400, **PHY** 315, 477, 481, **PLS** 294, 491, 494, 498, **PSY** 291, 451, 491, **REC** 498, **RTH** 498, **SEC** 220, 320, 421, 422, 431, **SED** 250, 350, 354, 355, 362, 367, 374, 375, 411, **SEDL** 368, 369, **SOC** 390, 496, **SPN** 490, 491, 498, **STA** 294, **SWK** 496, 497, **WMS** 498, 491, **xxx** **499**.

CAPSTONE COURSES

(1-4 hours – may be taken as a major requirement)

ANT 450, **ARH** 476, **ART** 476, **BIO** 495, **BIOL** 495, **CHM** 491, **CRM** 495, **CRW** 496, **CSC** 450, 455, **ECN** 422, **EDN** 409, 411, 465, **ENG** 495, 496, **EVS** 495, **EXS** 347, **FRH** 404, 411, 421, 437, 448, 470, 485, **FST** 495, 496, **GER** 495, 499, **GGY** 495, **GLY** 470, 495, **HEA** 498, **HST** 408, 412, 414, 418, 440, 442, 444, 446, 448, 450, 454, 456, 477, 478, 480, 481, 483, 485, 487, 495, 496, 497, **INT** 490, **MAT** 495, **MGT** 455, **MUS** 493, 496, **NSG** 403, 405, **PAR** 400, **PHY** 497, **PLS** 401, **PSY** 410, 412, 417, 423, 425, 464, **REC** 498, **SED** 411, **SOC** 490, 496, **SPN** 497, **STT** 490, 498, **SWK** 496, 497.