

**B. S. Computer Science (CSC)***College: Arts & Sciences*

Option 2: Business Concentration

**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 – CSC Option 2 – Business** (69-75 hours: Core plus Concentration)**Core Courses:** (49 hours)

_____	CSC 100	Orientation to Computer Science (1)
_____	+CSC 121	Computer Science I (3) Prerequisite: MAT 111 or 115 (Meets <b>Computer Requirement</b> )
_____	+CSC 133	Discrete Mathematical Structures (4) Prerequisite: MAT 111 or 115, or equivalent
_____	CSC 221	Computer Science II (4) Prerequisite: CSC 121
_____	CSC 242	Digital Logic, Computer Organization and Assembly Language (4) Prereqs: CSC 121 and 133
_____	CSC 332	Data Structures (3) Prerequisite: CSC 221, Pre/Corequisite: MAT 161
_____	CSC 344	Computer Networks (3) Prerequisite: CSC 242
_____	CSC 360	Formal Languages and Computability (3) Prerequisites: CSC 242 and 332
_____	CSC 385	Professional and Ethical Issues in Computer Science (3) Prerequisites: ENG 101 or equivalent and junior/senior standing in computer science (Meets <b>Oral Communication Requirement</b> )
_____	CSC 434	Programming Languages (3) Prerequisites: CSC 332 and 360
_____	CSC 450	Software Engineering (3) Prerequisites: CSC 332 and senior standing (Meets <b>Applied Learning Requirement</b> )
_____	CSC 455	Database Design and Implementation (3) Corequisite: CSC 332
_____	+*MAT 161	Calculus with Analytic Geometry (4) Prerequisite: MAT 112 or 115 or equivalent preparation
_____	*MAT 162	Calculus with Analytic Geometry (4) Prerequisite: MAT 161
_____	+QMM 280	Statistical Analysis for Business and Economics (3) Prerequisite: MAT 111
_____	or +STT 215	Introduction to Statistics (3) Prereq: Satisfactory performance on the UNCW math test or MAT 105
_____	CSC _____	Choose 6 additional hours in computer science at the 300-400 level; must be approved by advisor.
_____	CSC _____	

**Business Concentration:** (21 hours)

_____	*ACG 201	Financial Accounting (3), Lab (1) Pre/Corequisite: MAT 111
_____	ACG 203	Managerial Accounting (3) Prerequisite: ACG *201
_____	+ECN 221	Principles of Economics – Micro (3) Prerequisite: MAT 111
_____	+ECN 222	Principles of Economics – Macro (3) Prerequisite: ECN 221
_____	FIN 335	Principles of Financial Management (3) Prerequisites: ACG 201, ECN 222, and QMM 280
_____	+MGT 350	Principles of Management (3) Prereq: Junior standing or admission to Cameron School of Business
_____	MKT 340	Principles of Marketing (3) Prerequisite: Junior standing or admission to Cameron School of Business

A grade point average of “C” (2.00) or better computed over the CSC courses and all the courses used to fulfill the requirements of the major are required.

*\*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 PRE-CSC:** Completion of 24 hours

**Requirements to declare CSC:** CSC 100, CSC 121, 133, and 221 with a GPA of at least 2.5 on these four courses.

For further information, see the CSC website: <http://www.uncw.edu/csc> 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**

Students who major in Computer Science with the Business Concentration are exempt from this requirement.

**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.