

Bachelor of Science, Interdisciplinary Sciences Track #2, Biology- Computer Science

I = introduce = the level of learning expected of a novice R = reinforce = the level of instruction and learning expected with students who have been introduced to concepts of skills previously; not the M = mastery = the intended state of learning the program aspires to achieve	Biology Core (must select a minimum of 6 hrs)														Computer Science Core (must select a minimum of 6 hrs)						
	PCB 3063 Genetics	PCB 3103 Cell Biology	MCB 3020 General Microbiology	MCB3020 General Microbiology Lab	BCH 3033 Biochemistry I	BCH 3033L Biochemistry Lab	PCB 3097L Introduction to Human Anatomy Lab	PCB 4098+L Concepts in Human Phys. + Lab (if not taken as a core requirement)	PCB 4233L Immunology Lab	PCB 4233 Immunology	PCB 4524 Molecular Biology (if not taken as a core requirement)	PCB 4723 Comp. Anim. Phys. (if not taken as a core requirement)	PCB 4723L Comp. Anim. Phys. Lab (if not taken as a core requirement)	PCB 4922 Biology seminar	PCB 4673 Principles of Evolution	CEN 3031 Software Engineering I (prereq. COP 3022)	COP 3014 Alg. & Program Design	COP 3022 Intermediate Programming	COP 3530 Data Structures (prereq is COP 3014)	COP 4710 Database Systems	COT 3100 Discrete Structures
Program SLOs																					
Content																					
Identify and apply key scientific concepts to address real-world questions and challenges.	R	R	R	R	M	R	R	M	M	M	M	M	M	M	I	I	I	R	R	I	
Critical Thinking																					
Solve problems using scientific methods and inquiry.	R	R	R	R	M	R	R	M	M	M	M	M	M	M	R	I	I	I	R	I	
Communication																					
Communicate effectively in either verbal or written media appropriate for academic and professional environments.	R	R	R	R	M	R	R	M	M	M	M	M	M	M	I			I			
Integrity/Values																					
Describe ethical challenges involved in conducting scientific research.	R	R	R	R	M	R	R	M	M	M	M	M	M	M	I						

Department Name: HMCSE Dean's Office
Department URL: <https://uwf.edu/hmcse>

Program Name: B.S. in Interdisciplinary Sciences/Biological & Track #2 Biology and Computer Science
Creation Date: 1-Sep-2019

**Bachelor of Science, Interdisciplinary Sciences
Track #10, Computer Science and Earth and Environmental Sciences**

I = introduce = the level of learning expected of a novice							Environmental Science /Natural Science									
R = reinforce = the level of instruction and learning expected with students who have been introduced to concepts of skills previously; not the final goal state	Computer Science Core (must select a minimum of 6 hrs)						(must select a minimum of 6 hrs)									
M = mastery = the intended state of learning the program aspires to achieve																
Program SLOs	CEN 3031 Software Engineering I (prereq. COP 3022)	COP 3014 Alg. & Program Design	COP 3022 Intermediate Programming	COP 3530 Data Structures (prereq is COP 3014)	COP 4710 Database Systems	COT 3100 Discrete Structures	GEO 4221, Coastal Morphology	GEO 4221L, Coastal Morphology Lab	GEO 4250/L Weather & Climate+ Lab	GEO 4260 Geography of Soils	GEO 4260L, Geog. Of Soils Lab	GEO 4280, Hydrology	GEO 4280L, Hydrology Lab	GEO 4357, Environment and Economy	GIS 4043/L, Geographic Information Systems +Lab	
Content																
Identify and apply key scientific concepts to address real-world questions and challenges.	I	I	I	R	R	I	R	M	R	M	M	R	R		I	
Critical Thinking																
Solve problems using scientific methods and inquiry.	R	I	I	I	R	I		R	R	R	M	R	R	M	I	
Communication																
Communicate effectively in either verbal or written media appropriate for academic and professional environments.	I			I			M	M	R	R	R	R		M		
Integrity/Values																
Describe ethical challenges involved in conducting scientific research.	I							R	R	R	R	R	R	M		

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Program Name: B.S. in Interdisciplinary Sciences/Biological & Physical Sciences Interdisciplinary Studies
Track #10 Computer Science and Environmental/Natural Science
Creation Date: 1-Sep-2019