

Computer Science – Interdisciplinary

Bachelor of Science

DEGREE PLAN

Common Core 35 Hours

CORE CAPSTONE 0

GNED 3000	Core Capstone	0
-----------	---------------	---

BIBLICAL LITERACY 6

BIBL 1013	Introduction to Christian Scripture	3
BIBL 1023	Christian Theology and Ethics	3

COMPOSITION AND LITERATURE 6

ENGL 1153	English Composition: Exposition and Argument	3
ENGL 1163	English: Composition and Classical Literature	3

SCIENTIFIC LITERACY AND MATHEMATICS 7

PHYS 2414	College Physics I	4
MATH 2013	Calculus I	3

WELLNESS AND LIFELONG FITNESS 1

PHED 1001	The Wellness Lifestyle	1
-----------	------------------------	---

HISTORY AND LITERATURE 12

ENGL 2013 and HIST 2013	European Civilization: Literature and History	3
	European Civilization: History	3

ENGL 2023 and HIST 2023	Modern West: Literature and History	3
	Modern West: History	3

PHILOSOPHY AND FINE ARTS — SELECT ONE COURSE 3

FNAR 2063	Arts and Western Culture	3
FNAR 2163	Arts and Ideas	3
PHIL 1043	Introduction to Philosophy	3

Supportive Core 9 Hours

ECON 2013 or ECON 2023	Principles of Economics: Macro	3
	Principles of Economics: Micro	3
BSAD 2003	Business Communications	3
MATH 3013	Introduction to Probability and Statistics	3

Computer Science – Interdisciplinary 57 Hours

FOUNDATION COURSES 21

CIS 2703	Computer Science I	3
CIS 2723	Computer Science II	3
CIS 3204	Logic Design (PHYS 3204)	4
MATH 2023	Analytic Geometry and Calculus II	3
MATH 2033	Analytic Geometry and Calculus III	3
MATH 2103	Discrete Math	3
MATH 3203	Linear Algebra	3

CS SPECIALIZED COURSES 36

CIS 2713	Introduction to Programming (Python)	3
CIS 3103	Database Program Development	3
CIS 3303	Programming Languages	3
CIS 3623	Introduction to Web Development	3
CIS 3803	Introduction to Data Science	3
CIS 3813	Advanced Data Science	3
CIS 3823	Systems Analysis	3
CIS 4013	Computer Systems and Organization	3
CIS 4023	Operating Systems	3
CIS 4043	Data Structures	3
CIS 4103	Software Development Project I	3
CIS 4203	Software Development Project II	3

AREA OF EMPHASIS 18

A minimum of 18 hours numbered 2000 or above, including at least nine hours numbered 3000 or above, must be completed in a selected discipline. The student's area of emphasis plan must be approved by an advisor in the area of emphasis and his or her computer science advisor no later than the second semester of the sophomore year. (Transfer student who have completed 56 hours or more must file a plan during their first semester at OBU.)

Electives 19 Hours

Total Hours

Common and Supportive Core	44
CS Foundation Courses	21
CS Specialized Courses	36
Electives	19

Total hours required for graduation 120

§ All specialized courses must be completed at OBU.

No D's will be accepted in the Area of Concentration and the supportive courses or in courses comprising majors and minors.