

Computer Science

Bachelor of Science

DEGREE PLAN

Common Core 35 Hours

CORE CAPSTONE 0

GNED 3000	Core Capstone	0
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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 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
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HISTORY AND LITERATURE 12

ENGL 2013 and HIST 2013	European Civilization: Literature and European Civilization: History	3 3
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ENGL 2023 and HIST 2023	Modern West: Literature and Modern West: History	3 3
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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 Principles of Economics: Micro	3 3
BSAD 2003	Business Communications	3
MATH 3013	Introduction to Probability and Statistics	3

Computer Science 66 Hours

FOUNDATION COURSES 30

BSAD 1113	Introduction to Business	3
CIS 2703	Computer Science I	3
CIS 2723	Computer Science II	3
CIS 3203	Logic Design	3
MATH 2023	Calculus II	3
MATH 2033	Calculus III	3
MATH 2103	Discrete Math	3
MATH 3203	Linear Algebra	3
MGMT 3203	Introduction to Management	3
MGMT 3603	Introduction to Management Science	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 & Organizations	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

Electives 10 Hours

Total Hours

Common Core/Supportive	44
Foundation Courses	30
CS Specialized	36
Electives	10

Total hours required for graduation 120

§ All specialized courses must be completed at OBU.

All degrees must include at least 30 upper-level hours. No D's will be accepted in the Area of Concentration and the supportive courses or in courses comprising majors and minors.