

**Bachelor's Degree Four-Year Plan
Texas Woman's University**

**Bachelor's in Biology Teaching 4-8 Science
Total Credit Hours required: 124**

**Department of Biology
Updated 05/08/09**

First Year at Texas Woman's University

Semester 1	Hours	Semester 2	Hours
BIOL 1111,1113 Principles of Biology + lab	4	BIOL 1121, 1123 Principles of Biology II + Lab	4
CHEM 1111,1113 Chemical Principles I + lab	4	CHEM 1121,1123 Chemical Principles II + Lab	4
ENG 1013 Composition and Literature I	3	ENG 1023 Composition and Literature II	3
MATH 1303 Elementary Analysis I	3	MATH 1313 Elementary Analysis II	3
HIST 1013 History of the U.S. 1492-1865	3	HIST 1023 History of the U.S. 1865- Present	3
		Computer Competency Exam or CSCI 1403	
Total hours	17	Total hours	17

Second Year at Texas Woman's University

Semester 3	Hours	Semester 4	Hours
BOT 2111, 2113 Plant Science + Lab	4	BIOL 4221, 4223 Ecology + Lab	4
CHEM 2211, 2213 Organic Chem I + Lab	4	BACT 1001 and 1003 Microbiology and Lab	4
Humanities (3 hours required-choose Global Perspectives course)	3	Social Sciences (3 hours required)	3
Visual/Performing Arts (3 hours required-choose Global Perspectives course)	3	Multicultural/Women's studies (3 hours required)	3
SCI 2113 Earth Science I	3	EDUC 2003 Schools and Society	3
Total hours	17	Total hours	17

Third Year at Texas Woman's University

Semester 5	Hours	Semester 6	Hours
BIOL 4811, 4813 Molecular and Cell Biology: Gene Expression + Lab	4	BIOL 4821, 4823 Molecular & Cell Biology: Genetics and Inheritance + Lab	4
PHYS 1131, 1133 Principles of Physics I + Lab	4	PHYS 1141, 1143 Principles of Physics II + Lab	4
GOV 2013 U.S. National Government	3	GOV 2023 Texas Government	3
MATH 1013 Consumer Math (Core)	3	EDUC 3001 Integrating Tech into D&I of A&I	3
BIOL 4681 Biology Seminar (Oral Comp)	1	EDUC 3003 Learning Theory & Development	3
Total Hours	15	Total Hours	17

Fourth Year at Texas Woman's University

Semester 7	Hours	Semester 8	Hours
ZOOL 4241, 4243 Mammalian Phys + Lab	4	EDUC 4016 Student Teaching in Biology	6
EDUC 4001 Integrating Tech into D&I of A&I	1	OR	
EDUC 4113 Design & Imp. of Assess & Instr.	3	EDUC 4013 Student Teaching in Biology	6
EDUC 4243 Classroom Envir. & Mgt.	3	AND	
READ 3423 Literacy Foundations 4-8	3	EDUC 4063 Student Teaching in Gen Sci.	
READ 3463 Strategic Learning Through Text	1		
Science Teaching elective (3 hours required)	3		
Total Hours	18	Total Hours	6
Total hours for major	36	Computer Literacy competency completed	X
Total hours for minor	26	Oral communication competency completed	X
Total hours for degree	124	Core curriculum completed	X
		Global perspectives completed	X