

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

Bachelor's in Biology Teaching: 8-12 Life Science
Total Credit Hours required: 122

Department of Biology
updated 05/11/09

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 |
| Soci/Behav. Sci (3 hours required) | 3 | Computer Competency Exam or CSCI 1403 | |
| Total hours | 17 | Total hours | 14 |

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 | CHEM 3221, 3223 Organic Chem II + Lab | 4 |
| HIST 1013 History of the U.S. 1492-1865 | 3 | HIST 1023 History of the U.S. 1865- Present | 3 |
| Humanities (3 hours required-select Global Perspectives course) | 3 | Multicultural/women's studies (3 hours required) | 3 |
| Visual/Performing Arts (3 hours required-select Global Perspectives course) | 3 | EDUC 2003 Schools and Society | 3 |
| | 17 | | 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 | BACT 3111,3113 General Microbiology + Lab | 4 |
| PHYS 1131, 1133 Principles of Physics I + Lab | 4 | BIOL 4821, 4823 Molecular & Cell Biology: Genetics and Inheritance + Lab | 4 |
| GOV 2013 U.S. National Government | 3 | PHYS 1141, 1143 Principles of Physics II + Lab | 4 |
| EDUC3001 Integrating Tech into D&I of A&I | 1 | GOV 2023 Texas Government | 3 |
| EDUC 3003 Learning Theory & Development | 3 | MATH 1013 Consumer Math (Core) | 3 |
| | | | |
| Total Hours | 15 | Total Hours | 18 |

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 3013 Lit. Across Curric. | 3 | EDUC 4063 Student Teaching in Gen Sci. | |
| BIOL 4681 Biology Seminar (Oral Comp) | 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 | 23 | Oral communication competency completed | X |
| Total hours needed for degree | 122 | Core Curriculum completed | X |
| | | Global Perspectives completed | X |