

Associates Degrees for Biology Students at TCC – Comparison of Requirements

| Degree requirements | Associate of Science - Biology Specialization | Associate in Biology |
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| Basic requirements | | |
| Written communication skills | <ul style="list-style-type: none"> ENGL& 101 English Composition I | <ul style="list-style-type: none"> ENGL& 101 English Composition I ENGL& 102 Argument and Persuasion |
| Quantitative skills | <ul style="list-style-type: none"> MATH& 151 Calculus I MATH& 152 Calculus II | <ul style="list-style-type: none"> MATH& 151 Calculus I |
| Humanities and Social Sciences | | |
| Note: For both degrees Humanities and Social Sciences courses must be selected from those on the Approved Distribution Course List ; At least one course must be selected from the Multicultural course list | <ul style="list-style-type: none"> 5 credits from the Humanities 5 credits from the Social Sciences 5 additional credits from either the Humanities or the Social Sciences | <ul style="list-style-type: none"> 15 credits from the Humanities 15 credits from the Social Sciences |
| Natural Sciences | | |
| | See Specialization Courses | <ul style="list-style-type: none"> BIOL& 221 Intro to Evolution, Ecology & Biodiversity BIOL& 222 Intro to Cellular and Molecular Biology BIOL& 223 Intro to the Biology of Organisms CHEM& 161 General Chemistry w/Lab I CHEM& 162 General Chemistry w/Lab II CHEM& 163 General Chemistry w/Lab III |
| Specialization Courses | <ul style="list-style-type: none"> BIOL& 221, 222, 223 CHEM& 161, 162, 163 CHEM& 261, 262, 263 MATH& 153 or MATH& 146 10 credits of electives | Not applicable |
| College-Level Electives | <ul style="list-style-type: none"> Remaining college level courses to reach a total of 90 credits selected in close consultation with a biology advisor PE activity courses cannot be used as elective credits in this category No more than 5 credits can be from courses that do not appear on the Basic Requirement Distribution List for the Associate in Arts and Sciences degree or the Approved Distribution Course List | <ul style="list-style-type: none"> Remaining college level courses to reach a total of 90 credits selected in close consultation with a biology advisor CHEM& 261, 262, and 263 and/or MATH& 146 are strongly recommended as electives Must include 2 elective physical education credits No more than 5 credits can be from courses that do not appear on the Basic Requirement Distribution List for the Associate in Arts and Sciences degree or the Approved Distribution Course List |
| Why does TCC have these two associate's degrees for biology majors? | <p>Biology is a very diverse field of study reflected by the courses required for BS or BA degrees. We offer these associate degrees to accommodate this diversity. The Associate in Biology degree includes all the general education distribution requirements typically required by 4 year universities and prepares students for many biology major areas. The Associate of Science - Biology Specialization requires more math and chemistry and so does not fulfill all of the general education distribution courses usually required for a bachelor's degree. Students will complete those after transferring to a four year institution. But, for many students the Associate of Science better prepares them for the junior level coursework required for their major.</p> | |