Checklist for Biology graduation for:

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| Page 1—Requirements for an Associate’s degree in Biology. These are also the lower-level courses required for a  Bachelor’s degree in Biology. | | | |
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| Area A- 9 hrs | ENGL 1101 | | |
| ENGL 1102 | | |
| MATH 1113 or MATH 1501 or higher | | |
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| Area B-4 hrs | COLQ 2991, 2992, 2993, 2995 or 2995 | | |
| FIRE 1000 or other | | |
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| Area C-6 hrs | One of: ARTS 1100, 1101, 1102; COMM 1100, 1110, 1500; FREN 1001, 1002; HUMN 1501, 1502;  MUSC 1100; SPAN 1001, 1002, 1003, 1060; THEA 1000, 1100 | | |
| One of: ENGL 2111, 2112, 2121, 2122, 2131, 2132, PHIL 2010, 2020 | | |
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| Area D-11 hrs | CHEM 1211K | | |
| CHEM 1212K | | |
| MATH 1401 or MATH 1501 or higher | | |
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| Area E-12 hrs | HIST 1121 or 1122 | | |
| HIST 2111 or 2112 | | |
| Two of: ANTH 1102; ECON 2105, 2106; HIST 1121, 1122, 2111, 2112; POLS 1101, 2201, 2301, 2401;PSYC 1101; SOCI 1101 | | |
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| Area F-18 hr | Area F must total 18 hrs. | | |
| BIOL 1107 | | |
| BIOL 1108 | | |
| One hour from MATH (Area A excess) | | |
| One hour elective (may use Area D excess, if any exists. Also see the list in the box below.) | | |
| Additional courses to reach a total of 18 hours: any 2000-level BIOL course(s); CHEM 2401K, CHEM 2402K; any MATH course(s) except MATH 1001 and 1111; any PHYS course(s); any CSCI course(s); any foreign language course(s). CHEM 2401 is strongly recommended as it is a prerequisite or corequisite for some upper-level BIOL courses. | | |
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| Area G  0 to 4 hrs | PHED 1001 or PHED 1010 required of students with at least one semester of full-time enrollment | | |
| One additional PHED class except 1001, 1010, or 1040 required of students with four or more semesters of full-time enrollment | | |
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| Courses for next term: | | | |

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| Page 2—Upper-level courses required for a Bachelor’s degree in Biology (Track 1) or a Bachelor’s degree in  Biology with Teaching Certification (Track 2). If a student already has an Associate’s degree in any discipline and has not completed the sequences BIOL 1107/1108 and CHEM 1211K/1212K and the MATH requirements listed for Areas A and D on Page 1, then he or she must take those courses in addition to the ones listed below. | | | |
|  | Track 1: Biology |  | Track 2: Biology with Teaching Certification |
| Biology common  requirements | BIOL 3200K Genetics (4 hr) | BIOL 3200K Genetics (4 hr) |
| BIOL 3300K Molecular and Cellular Biology  (4 hr) | BIOL 3300K Molecular and Cellular Biology  (4 hr) |
| BIOL 3500K Ecology (4 hr) | BIOL 3500K Ecology (4 hr) |
| BIOL 4200 Evolution (3 hr) | BIOL 4200 Evolution (3 hr) |
| BIOL 4000 Senior Seminar (2 hr) | BIOL 4000 Senior Seminar (2 hr) |
| Seven additional semester hours in biology courses numbered 3000 and above but not  including BIOL 4800 (list courses and hours  below) | Seven additional semester hours in biology courses numbered 3000 and above but not  including BIOL 4800 (list courses and hours  below) |
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| Total 24 semester hours | Total 24 semester hours |
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| Additional requirements | CHEM 2401K | CHEM 2401K |
| PHYS 1111K (or PHYS 2211K) | PHYS 1111K (or PHYS 2211K) |
| 15 additional hours from courses numbered  3000 and above from biology and other disciplines. List courses and hours below. | EDUC 4800 |
|  | EDUC 2110 (3 hr) |
|  | EDUC 2120 (3 hr) |
|  | EDUC 2130 (3 hr) |
|  | EDUC 3005 Secondary Curriculum, Instruction, and Assessment (3 hr) |
|  | LART 3006 Reading in the Content Area(3 hr) |
|  | SPED 3105 The exceptional learner in  secondary (3 hr) |
|  | EDUC 3504 Sem in Sec. Practicum(1 hr) |
|  | EDUC 3505 Secondary Practicum I(2 hr) |
|  | EDUC 4504 Seminar in Student Teach (1 hr) |
| Total 23 semester hours | EDUC 4505 Sec. Student Teach (11 hr) |
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| Electives | Any college-level courses may be used as  Electives. |  |
| Note: Biology majors are strongly urged to complete as many courses as possible from this list: CHEM 2402K, MATH 1501, MATH  1502, PHYS 1112K (or PHYS 2212K) List courses and hours below | Students seeking teaching certification take  the education courses listed above rather than the electives listed to the left, but see the note  under “Extra hours needed to complete  degree” in the section below. |
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| Total 13 semester hours |  |
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| Graduation check for all  Biology and Biology with Teaching Certification majors | Extra hours needed to complete degree?  If CHEM 2401K and/or PHYS 1111K (or PHYS 2211K) were used in fulfilling Area F, the student must complete additional electives (See “Electives” section above) to reach an overall total,  excluding Area G, of 120 hrs (BIO majors) or 128 hrs (BIO with teaching certification majors). | | |
| Residency requirement met? 30 hrs at Gordon required. | | |
| At least 20 hours of 3000- and 4000-level courses taken at Gordon? | | |
| Courses for next term: | | |