

Academic Requirement Checklist for R.P.Bio. and B.I.T. Applicants

Note: Applicants require a minimum of 25 science courses, 15 of which must be biology courses. Applicant must have taken all required courses listed or they will not be accepted for membership in the College of Applied Biology.

Required Courses - 1 semester with minimum of 3 hr/wk

First Year Courses

Communications ¹	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Mathematics (counted as a science course) ⁸	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Chemistry (counted as a science course) ⁹	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>

Second Year or Higher Level Biology Courses

Systematic or Classification ²	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Cellular ³	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Organismal ⁴	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Ecology ⁵	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Applied Biology ⁶	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Statistics			

Not Required - courses from these categories may be accepted as Biology Courses

Introductory Biology (first year)	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Biochemistry	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Microbiology	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Evolutionary Biology	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Developmental Biology	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Biology field and/or laboratory courses	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Biomechanics	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Animal Behaviour	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>
Directed Studies ⁷	1. <input style="width: 80%;" type="text"/>	2. <input style="width: 80%;" type="text"/>	3. <input style="width: 80%;" type="text"/>

Total number of biology courses (must equal 15)

Additional Science Courses - List course names and numbers

Total Number of Biology and Science Courses (must equal 25)

1. Courses that focus on communication skills such as English Composition, technical writing, journalism, public speaking or use of mass media
2. e.g. Vertebrates, Invertebrates, Vascular plants, Non-vascular plants, Microbiology, Taxonomy, Comparative Anatomy
3. Genetics, Molecular Biology, Cell Biology or Biochemistry
4. Physiology (cell, animal, plant or microbial)
5. e.g. Ecology, Population or Community Ecology
6. e.g. Conservation Biology, Environmental Biology, Landscape Ecology, Wildlife Management, Fisheries Management
7. For directed studies courses in a biological field to be accepted, the applicant must provide a copy of the report required for the course
8. e.g. calculus, algebra
9. e.g. introductory chemistry, organic chemistry, physical chemistry