

Genetics major graduate attributes

Graduate attribute	Courses that address the attribute
1. Understanding of the scientific method, including being able to formulate research questions and hypotheses.	*BIOL1020, *BIOL1030, BIOC2000, BIOL2201, *BIOL2202, BIOL3004, BIOL3010, *BIOL3222
2. Ability to search for and identify papers in the scientific literature.	*BIOL1020, *BIOL1030, BIOC2000, BIOL2201, *BIOL2202, BIOL3004, BIOL3010, *BIOL3222
3. Ability to interpret and critique scientific literature.	BIOL2201, BIOL3004, BIOL3010, *BIOL3222
4. Ability to interact well with others in a group in order to work towards a common goal	*BIOL1030, BIOL3010
5. Ability to communicate effectively in written form	*BIOL1020, *BIOL1030, BIOC2000, BIOL2201, *BIOL2202
6. Ability to communicate effectively in oral form	*BIOL1020, *BIOL1030, BIOL3010, *BIOL3222
7. Ability to communicate effectively via the web & video	*BIOL1020, *BIOL1030,
8. Understanding of the various techniques and approaches used in molecular and genetic experimentation.	*BIOL1020, *CHEM1020, *BIOC2000, *BIOL2202, BIOL3004, BIOL3010, *BIOL3222
9. Understanding of bioinformatic analysis of genetic data	*BIOL1020, BIOL3004, BIOL3010
10. Ability to analyse and synthesise data relevant to genetic studies	*BIOL1020, *BIOL2202, BIOL3004, BIOL3010, *BIOL3222
11. Understanding of basic chemical, biochemical and cellular processes relevant to genetics	*BIOL1020, *CHEM1020, *BIOC2000, *BIOL2202
12. An understanding of the evolution and diversity of organisms on the earth	*BIOL1030, BIOL2201, BIOL3004, BIOL3010
13. Advanced understanding of experimental design	*BIOL2202, BIOL3004, BIOL3010, *BIOL3222
14. Experience writing a research proposal	*BIOL3222
15. An understanding of the ethical and social issues associated with genetic research	*BIOL1020, BIOL2201

***compulsory course**