

Computational Genetics

Bachelor of Science (BSc) Genetics



Description

This offers an ideal pathway for students passionate about Genetics, Statistics and computing.

Adding subjects such as computational biology, statistics, and computer science will give you a comprehensive understanding of genetic principles alongside robust analytical and computational skills.

This pathway empowers you to decipher complex genetic data, harnessing the power of technology and data-driven methodologies to drive breakthroughs in healthcare, biotechnology, and research. ecosystem context crucial for effective conservation strategies.

Recommended structure

100-level

Core papers:

CHEM 191

CELS 191

Suggested papers:

BIOC 192

BIOL 113

COMP 120

STAT 110 OR 115

200-level

Core papers:

GENE 221

GENE 222

GENE 223

Suggested papers:

BIOC 221

INFO 204

STAT 210

STAT 260

ZOOL 221

300-level

Core papers:

GENE 313

GENE 314

GENE 315

Suggested papers:

BIOC 352

GENE 313

INFO 304

STAT 312

ZOOL 319

GENE 360*

Suggested minors: Biochemistry, Computer Science, Information Science, Statistics.

*Recommended for GENE majors planning to go on to post-graduate studies such as BSc (Hons), PgDipSci, MSc and PhD.



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