

The Faculty of Science at Dickson College aims to enrich the lives of young people so they can become:

- Creative and critical thinkers
- Enterprising problem-solvers
- Skilled and empathetic communicators
- Informed and ethical decision-makers
- Environmentally and culturally aware citizens
- Confident and capable users of technologies
- Independent and self-managing learners
- Collaborative team members
- Productive members of society

Science partners with the ANU Secondary College in Physics, Chemistry and Biology.

Science units for study at Dickson include:

## BIOLOGY

**Accredited and Tertiary units offered in Biology can include:**

- Introductory Biology – Cells, Microscopes & Cellular Processes (Compulsory)
- Nutrition, excretion & transport
- Gas exchange, support & movement
- Coordination and Reproduction
- Pathogens & Disease
- Introductory Genetics
- Principles of Genetics
- Principles of Natural Selection
- Applied Genetics
- Genes in Action
- The Nature of Ecosystems
- Ecosystems and Populations
- Australia over time and Human Population growth
- Ecosystems and Human impact
- Research biology

## CHEMISTRY

**Tertiary units offered in Chemistry can include:**

- Introductory Chemistry
- Acids, Redox & Organic Chemistry
- Physical Chemistry
- Biochemistry
- Industrial Chemistry
- Environmental Chemistry
- Analytical Chemistry
- Forensic Chemistry

## OCEANOGRAPHY

**Accredited and Tertiary units offered in Oceanography will include:**

- Marine Mammals & Marine Geography
- Marine Biology
- Marine Ecosystems & the Sea as a Resource
- Physical and Chemical Oceanography

## PHYSICS

**Tertiary units offered in Physics will include:**

- Force and Geometric Optics
- Charge and Energy
- Complex Motion and Waves
- Nuclear and Atomic Physics
- Electronics
- Astrophysics

## SCIENCE (A)

**Accredited units offered in General Science may include:**

- Genes, DNA & Stuff & Kitchen Chemistry
- Blood and Guts & Simple Machines
- Human Sexuality & Technology of future
- Forensic Science & Germs & Other Bugs
- Aliens & Science Fiction & Stars
- Cosmetics and Hair Care

For more information contact:

**Scott Eastburn**, Executive Teacher