College of Agriculture, Engineering and Science

Qualifications in Engineering and Land Surveying

Howard College
Tel: +27 (0)31 260 2221/1668
Pietermaritzburg Campus
Tel: +27 (0)31 260 2221/1668

Engineering

Postgraduate degrees in Engineering are offered at the Howard College and Pietermaritzburg campuses but not every degree is offered on both campuses.

Doctor of Philosophy

A Doctor of Philosophy by research can be undertaken in the various programmes in Engineering as follows:

• Agricultural, PMB
• Chemical, Howard College
• Civil, Howard College
• Computer, Howard College
• Electrical, Howard College
• Electronic, Howard College
• Mechanical, Howard College

Master of Science in Engineering

A Master of Science in Engineering by research can be undertaken in the various programmes in Engineering as follows:

• Agricultural, PMB
• Chemical, Howard College
• Civil, Howard College
• Computer, Howard College
A Master of Science in Engineering by coursework and dissertation can be undertaken in the various programmes in Engineering as follows:

**Civil Engineering**
- MScEng in Environmental Engineering  
  Howard College (No new intake in 2012)
- MScEng in Civil Engineering  
  Howard College (No new intake in 2012)

**Electrical Engineering**
- MScEng in Power and Energy Systems  
  Howard College

**Land Surveying**
A Master of Science in Land Surveying can be taken as follows:
- Master of Science in Land Surveying – by research, Howard College

**Qualifications in Science and Agriculture**

Pietermaritzburg Campus
Honours & PG Dips  Tel: +27 (0)33 260 5217
Fax: 0865188421
Masters & PhD  Tel: +27 (0)33 260 6243
Fax: +27 (0)33 260 6335
Bachelor of Science (Honours)

- Animal and Poultry Science
- Applied Mathematics
- Biochemistry
- Biological Sciences
- Biometry
- Botany
- Chemistry
- Computer Science
- Crop Science
- Ecological Sciences (General Stream)
- Ecological Sciences (Rangeland and Wildlife Conservation Stream)
- Entomology
- Environmental Science
- Genetics
- Horticultural Science
- Hydrology
- Industrial and Applied Biotechnology
- Mathematics
- Microbiology
- Physics
- Plant Pathology
- Soil Science
- Statistics
- Zoology

Bachelor of Agriculture Honours
Bachelor of Agricultural Management Honours

Postgraduate Diplomas

- Postgraduate Diploma (Community Nutrition)
- Postgraduate Diploma (Dietetics)
- Postgraduate Diploma (Food Security)
- Postgraduate Diploma (Rural Resource Management)

Master of Science

- Applied Mathematics
- Biochemistry
- Biological Sciences
- Biometry
- Botany
- Chemical Technology
- Chemistry
- Computational Physics
- Computer Science
- Ecology
- Entomology
- Ethnobotany
- Food Security
- Genetics
- Geography
- Grassland Science
- Hydrology
• Mathematics
• Microbiology
• Molecular and Cellular Biosciences
• Physics
• Plant Molecular Biology and Physiology
• Plant Pathology
• Soil Science
• Statistics
• Virology
• Wildlife Science
• Zoology

Master of Science in Agriculture
• Agribusiness
• Agricultural Economics
• Agricultural Production
• Agricultural and Environmental Instrumentation
• Agrometeorology
• Animal Science
• Community Resources
• Consumer Studies
• Crop Science
• Cultivated Pastures
• Environmental Science
• Food Processing
• Food Science
• Grassland Science
Horticultural Science
Plant Breeding
Poultry Science

Master of Agricultural Management
Master of Agriculture

Food Security
Agricultural Extension and Rural Resource Management

Master of Science (Biological Systems)
Master of Science in Dietetics
Master of Science in Human Nutrition

Doctor of Philosophy
Includes all disciplines listed in various Masters above.

Westville Campus
Tel: +27 (0)31 260 3220/+27 (0)31 260 7146/
+27 (0)31 260 8047
Fax: +27 (0)31 260 7780/+27 0(31) 260 1345

Bachelor of Science (Honours)
Applied Mathematics
Applied Physics
Biochemistry
Biological Sciences
Cellular Biology
Chemistry
Computer Science
Ecological Sciences
- Environmental Science
- Financial Mathematics
- Geology
- Industrial Mathematics
- Marine Biology
- Mathematics
- Microbiology
- Physics
- Statistics

**Master of Science**

By dissertation:

- Applied Mathematics
- Biology
- Biochemistry
- Chemistry
- Computer Science
- Environmental Science
- Geography
- Geology
- Mathematics
- Microbiology
- Physics
- Statistics

**Master of Marine and Coastal Management (by coursework)**
Master of Science in Mathematics  
(by coursework)

Doctor of Philosophy

- Applied Mathematics
- Biology
- Biochemistry
- Chemistry
- Computer Science
- Environmental Science
- Geography
- Geology
- Mathematics
- Microbiology
- Physics
- Statistics

## Closing dates

<table>
<thead>
<tr>
<th>Masters coursework</th>
<th>For entry into Semester 1:</th>
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For entry into Semester 2:
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<tr>
<th>Course</th>
<th>Closing Dates</th>
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<tr>
<td>M and D (Research)</td>
<td>Applications are considered throughout the year.</td>
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<tr>
<td>Postgrad Dip and Honours</td>
<td>For entry into semester 1:</td>
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<td></td>
<td>31 October of previous year (International)</td>
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<tr>
<td></td>
<td>30 November of previous year (Local)</td>
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<tr>
<td>Masters coursework</td>
<td>For entry into semester 1:</td>
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<tr>
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<td>31 October of previous year</td>
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<tr>
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<td>30 April of current year (Internationals)</td>
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<td>For entry into semester 2:</td>
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<td>31 May of current year (Local)</td>
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Masters and Doctoral Studies by Research

Confirm closing dates with Schools concerned.

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<table>
<thead>
<tr>
<th>Honours</th>
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<tbody>
<tr>
<td></td>
<td>31 October of previous year</td>
</tr>
</tbody>
</table>
year

For entry into semester 2:

- 30 April of current year (International)
- 31 May of current year (Local)

M and D (Research)

Confirm closing dates with School concerned.