

**Rules Variation Summary for 2012
Advanced Diploma in the Sciences**

Summary of Changes for 2012	Implications for current Advanced Diploma in the Sciences students
<p>New – Biochemistry Major Prescribed Units: Complete the following units –</p> <ul style="list-style-type: none"> • BCHM210, BCHM220, BCHM320, BCHM330, BIOL110, BIOL120, CHEM110, CHEM120, CHEM204 and MICR220 <p>Listed Units: Complete not more than 12 credit points from the following units –</p> <ul style="list-style-type: none"> • MATH101, MATH102, MATH120, PHYS131, PHYS132 and STAT100 <p>Biomedical Science Major: Changed from only Prescribed Units to Prescribed and Listed Units</p> <p>Prescribed Units: Complete the following units –</p> <ul style="list-style-type: none"> • BIOL110, BIOL120, CHEM110 and CHEM120 <p>Listed Units: Complete 48 credit points with not more than 12 credit points at 100-level from the following units:</p> <ul style="list-style-type: none"> • BCHM210, BCHM220, BCHM320, BCHM330, GENE210, GENE340, HUMN340, MICR220, MICR350, PHAR222, PHYS131; PHYS132, PSIO220, PSIO331, PSIO332, PSIO334, PSIO336, PSIO510, PSYC101, PSYC102, STAT100 and STAT200 • PSIO334 has been added • PSIO410 has been withdrawn and replaced with PSIO510 <p>New – Biotechnology/Molecular Genetics Major Prescribed Units: Complete the following units –</p> <ul style="list-style-type: none"> • BIOL110, BIOL120, CHEM110 and CHEM120 <p>Listed Units: Complete 48 credit points with not more than 12 credit points at 100-level from the following units:</p> <ul style="list-style-type: none"> • BCHM210, BCHM220, BCHM310, BCHM320, BCHM330, CHEM204, GENE210, GENE322, GENE340, MATH120, MICR220, MICR360, PHYS131, PHYS132, STAT100 	<p>Note New Majors/Deleted Majors</p> <p>Note unit and/or title changes</p> <p>Students who have already successfully completed units that are no longer offered will be credited towards their course.</p> <p>These course rule changes only apply to students who commence or transfer to 2012 course rules</p>

Botany Major:

Changed from only Prescribed Units to Prescribed and Listed Units
And/Or complete a maximum of 12 credit points from any units offered by
the University ... has been deleted

Prescribed Units: Complete the following units –

- BIOL110 and BIOL120

Listed Units: Complete at least 36 credit points from the following units –

- BOTY202, BOTY203, BOTY302, BOTY370, ECOL203, ECOL204, ECOL307, ECOL311, EVOL211 and EVOL301
- BOTY202 title changed to Plant Physiology and Anatomy
- ECOL202 and SCI395 have been withdrawn
- ECOL204 and EVOL301 have been added

And complete a maximum of 24 credit points from the following units –

- CHEM110, CHEM120, MATH101, MATH102, MATH120 and STAT100

Chemistry Major:

Changed from only Prescribed Units to Prescribed and Listed Units
And/Or complete a maximum of 12 credit points from any units offered by
the University ... has been deleted

Prescribed Units: Complete the following units –

- CHEM110 and CHEM120

Listed Units: Complete at least 36 credit points from the following units –

- CHEM204, CHEM210, CHEM220, CHEM250, CHEM302, CHEM303, CHEM305, CHEM306, FSC310, PHAR370 and PHYS301
- FSC310 and PHAR370 have been added

And complete a maximum of 24 credit points from the following units –

- BIOL110, BIOL120, GEOL110, GEOL120, MATH101, MATH102, MATH120, PHYS131, PSYS132 and STAT100

Ecology Major:

Changed from only Prescribed Units to Prescribed and Listed Units

Prescribed Units: Complete the following units –

- BIOL110 and BIOL120

Listed Units: Complete at least 48 credit points with not more than 24 credit points at 100-level from the following units –

- BOTY202, BOTY203, BOTY370, CHEM110, CHEM120, ECOL202, ECOL203, ECOL204, ECOL307, ECOL311, EM323, EM353, MATH120, RSNR402, SCI395, STAT100, ZOOL203, ZOOL210, ZOOL220, ZOOL326, ZOOL327 and ZOOL328
- BOTY202 title changed to Plant Physiology and Anatomy
- MATH120 has been added

And/Or complete a maximum of 12 credit points from any units offered by the University ... remains

Genetics Major:

Changed from only Prescribed Units to Prescribed and Listed Units

Prescribed Units: Complete the following units –

- BIOL110, BIOL120, CHEM110, CHEM120, MATH120 and STAT100

Listed Units: Complete 36 credit points from the following units –

- BCHM210, BCHM330, BINF350, GENE210, GENE322, GENE340, GENE351, GENE422 and STAT200
- BINF350 has been added

Information Technology Major:

- This major is no longer offered
- COMP131 title changed to Introduction to Programming and Professional Practice
- COMP132 title changed to Advanced Programming

New – Microbiology Major

Prescribed Units: Complete the following units –

- BIOL110, BIOL120, CHEM110, CHEM120, BCHM330, BOTY370, GENE210, MICT220, MICR350 and MICR360

Listed Units: Complete not more than 12 credit points from the following units –

- MATH101, MATH102, MATH120, PHYS131, PHYS132 and STAT100

Molecular Genetics and Biotechnology Major:

- This major is no longer offered

Natural Resources Management Major:

- This major is no longer offered

Physics Major:

And/Or complete a maximum of 12 credit points from any units offered by the University ... has been deleted

- COMP389, COMP395, STAT200 and STAT300 have been withdrawn
- BIOL110, BIOL120, CHEM110, CHEM120, PHYS204, PHYS207, PHYS301 and PHYS313 have been added

Prescribed Unit: Complete the following units –

- MATH101, MATH102, PHYS131 and PHYS132
- AMTH140, ASTY221, PHYS211 and PHYS311 moved to Listed Units

Listed Units: Complete at least 36 credit points from the following units –

- CHEM210, PHYS204, PHYS207, PHYS208, PHYS211, PHYS301, PHYS311 and PHYS313

And complete not more than 12 credit points from the following units –

- AMTH140, AMTH250, ASTY221, BIOL110, BIOL120, CHEM110, CHEM120 and SCI395

<p>Zoology Major: Changed from only Prescribed Units to Prescribed and Listed Units</p> <p>Prescribed Units: Complete the following units –</p> <ul style="list-style-type: none"> • BIOL110 and BIOL120 <p>Listed Units: Complete 60 credit points from the following units –</p> <ul style="list-style-type: none"> • CHEM110, CHEM120, ECOL202, ECOL203, EVOL203, EVOL211, GENE210, GENE322, MATH120, STAT100, ZOOL203, ZOOL210, ZOOL220, ZOOL326, ZOOL327, ZOOL328 	
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**Rules Variation Summary for 2011
 Advanced Diploma in the Sciences**

Summary of Changes for 2011	Implications for current Advanced Diploma in the Sciences students
<p>Biomedical Science Major:</p> <ul style="list-style-type: none"> • ANAT310 has been withdrawn • BCHM330 title changed to Molecular Biology and Functional Genomics • PHAR222 title changed to Pharmacology I • PSIO331 title changed to Endocrinology and Reproductive Physiology • PSIO332 title changed to Cardiovascular and Respiratory Physiology <p>Botany Major:</p> <ul style="list-style-type: none"> • BOTY370 title changed to Plant Pathology • ECOL202 title changed to Aquatic Ecology <p>Chemistry Major:</p> <ul style="list-style-type: none"> • CHEM203 code changed to CHEM250 Analytical Chemistry • CHEM210 title changed to Quantum and Thermochemical Structure • PHYS301 title changed to Microscopic and Macroscopic Physics and Chemistry <p>Ecology Major:</p> <ul style="list-style-type: none"> • BOTY370 title changed to Plant Pathology • ECOL202 title changed to Aquatic Ecology 	<p>Note unit and/or title changes</p> <p>Students who have already successfully completed units that are no longer offered will be credited towards their course.</p>

<ul style="list-style-type: none"> • RSNR402 title changed to Integrated Water Resource Management <p>Genetics Major:</p> <ul style="list-style-type: none"> • BCHM330 title changed to Molecular Biology and Functional Genomics • GENE322 title changed to Population and Conservation Genetics • GENE351 title changed to Introduction to Breeding and Genetics <p>Information Technology Major:</p> <ul style="list-style-type: none"> • COMP100 title changed to Introductory Information Technology <p>Molecular Genetics and Biotechnology Major:</p> <ul style="list-style-type: none"> • BCHM330 title changed to Molecular Biology and Functional Genomics • GENE322 title changed to Population and Conservation Genetics <p>Natural Resources Management Major:</p> <ul style="list-style-type: none"> • ENVE352 code changed to ENGT352 Principles of Hydrology • EM312 title changed to Environmental Impact Assessment • RSNR110 title changed to Sustaining Our Rural Environment I • RSNR120 title changed to Sustaining Our Rural Environment II <p>Zoology Major:</p> <ul style="list-style-type: none"> • ECOL202 title changed to Aquatic Ecology • GENE322 title changed to Population and Conservation Genetics 	
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**Rules Variation Summary for 2010
Advanced Diploma in the Sciences**

Summary of Changes for 2010	Implications for current Advanced Diploma in the Sciences students
<p>Botany Major:</p> <ul style="list-style-type: none"> • ECOL203 title change to Ecology – Populations to Ecosystems <p>Chemistry Major:</p> <ul style="list-style-type: none"> • CHEM201 is now CHEM210 Chemical Structure • CHEM202 is now CHEM220 Chemical Reactivity • CHEM303 is title change to Medicinal Chemistry <p>Ecology Major:</p> <ul style="list-style-type: none"> • ECOL203 title change to Ecology – Populations to Ecosystems 	<p>Note unit and/or title changes</p> <p>Students who have already successfully completed units that are no longer offered will be credited towards their course</p>

<ul style="list-style-type: none"> • EM323 title change to Wildlife Ecology and Management <p>Information Technology Major:</p> <ul style="list-style-type: none"> • COMP282 has been withdrawn • COMP285 title change to C++ Programming <p>Natural Resources Management Major:</p> <ul style="list-style-type: none"> • ECOL203 title change to Ecology – Populations to Ecosystems <p>Physics Major:</p> <ul style="list-style-type: none"> • COMP282 has been withdrawn 	
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**Rules Variation Summary for 2009
Advanced Diploma in the Sciences**

Summary of Changes for 2009	Implications for current Advanced Diploma in The Sciences students
No unit changes for 2009 for the following coursework programs: <ul style="list-style-type: none"> • Biomedical Science • Chemistry • Genetics • Molecular Genetics and Biotechnology • Physics • Zoology 	Nil
<p>Botany coursework program</p> <ul style="list-style-type: none"> • BOTY355 has been recoded as BOTY302/502 • BOTY360 has been withdrawn 	Note unit change
<p>Ecology coursework program</p> <ul style="list-style-type: none"> • BOTY360 has been withdrawn 	Note unit change
<p>Information Technology coursework program</p> <ul style="list-style-type: none"> • Unit title for COMP285 has changed 	Note unit change
<p>Natural Resources Management coursework program</p> <ul style="list-style-type: none"> • Unit code for EM234 changed to EM334 	Note unit change