# CONTENTS

Welcome to Murdoch University ................................................................................ 1

## STEP

| 1 | Accept Offer and Activate Account .......................................................... | 2 |
| 2 | Research Your Options ............................................................................. | 3 |
| 3 | Complete Your Enrolment ....................................................................... | 5 |
| 4 | Select Your Activities ........................................................................... | 7 |
| 5 | Get Advice .............................................................................................. | 8 |
| 6 | Go To Orientation and Start Uni ............................................................ | 9 |
| 7 | Important Information and FAQs ............................................................ | 10 |

## APPENDICES

| A | Full Course Description ........................................................................ | 12 |
|   | Chemistry (BSc) ................................................................................. | 12 |
|   | Mathematics and Statistics (BSc) ....................................................... | 13 |
|   | Mineral Science (BSc) ........................................................................ | 14 |
| B | Checklist of Units & Prerequisites ...................................................... | 15 |
|   | Chemistry (BSc) ................................................................................. | 15 |
|   | Mathematics and Statistics (BSc) ....................................................... | 17 |
|   | Mineral Science (BSc) ........................................................................ | 19 |
| C | Sample Enrolments ............................................................................. | 21 |
|   | Chemistry (BSc) ................................................................................. | 21 |
|   | Mathematics and Statistics (BSc) ....................................................... | 22 |
|   | Mineral Science – (BSc) .................................................................... | 23 |
| D | Foundation Units ................................................................................ | 24 |
| E | Personal Study Plan ............................................................................ | 25 |
| F | Program Chair & Academic Contact Details ......................................... | 26 |
| G | Enrolment Enquiries ............................................................................ | 26 |
| H | Handy Contacts and Websites ............................................................ | 27 |
Welcome to Murdoch University

Congratulations on your offer of a place to study at Murdoch University. The details included in this booklet will assist you with accepting your offer, seeking advice on your enrolment options, choosing your units and completing your enrolment online. The 7 Steps below ensure that you have the basic information you need to navigate successfully through your first enrolment experience at Murdoch.

Students who are unable to access computer facilities due to exceptional circumstances are able to apply to receive their University correspondence via hardcopy. For further information please contact the External Studies Unit on 93602710.

- **STEP 1** Accept Offer and Activate Account
- **STEP 2** Research Your Options
- **STEP 3** Complete Your Enrolment
- **STEP 4** Select Your Activities
- **STEP 5** Get Advice
- **STEP 6** Go To Orientation and Start Uni
- **STEP 7** Important Information and FAQs
STEP 1

Accept Offer and Activate Account

☐ Go to the Murdoch Home page …
… http://www.murdoch.edu.au/ and click on the “New students” link on the bottom left of your screen. This will take you to our New Students website.

☐ Select the Accept & Activate icon

☐ Read the instructions …
… carefully for your offer type, then click on the “New students…walk this way” icon.

You will need your Offer Letter (Domestic students) or Confirmation of Enrolment- eCOE (International students) as this contains your Student Number.

☐ Enter your Student Number

☐ Enter your Date of Birth …
… in the format DD/MM/YYYY (eg 12/03/1985) and click the SUBMIT button.

☐ Now you can:
☐ Choose to Accept, Defer or Reject your offer (domestic students only)
☐ Set your Murdoch Password (all students)
☐ Set and confirm your email address (all students)
☐ Select your course as offered (domestic students only)

☐ Congratulations …
… you have accepted your place as a Murdoch student and you are now ready to select your units and complete your enrolment!
STEP 2
Research Your Options

☐ **Read your Course/Major Description (Appendix A)**
  The description will provide you with information about your course and major, including recommended double majors and minors.

☐ **Review your Checklist and Unit Prerequisites (Appendix B)**
  The checklist is the structure of your course and the units you need to complete for your degree. It includes required prerequisites to help you plan the order of your units.

☐ **Review the Sample Enrolments (Appendix C)**
  The Sample Enrolment provides you with a pre-made study plan for your major. Some majors provide you with a choice of units in the requirements, so you may wish to create your own study plan.

☐ **Choose your units ...**
  ...you want to enrol in for the current year by using the information you have reviewed above from the checklist (Appendix B) and sample enrolment (Appendix C). You can find out about each unit in the Handbook online [http://handbook.murdoch.edu.au/units/](http://handbook.murdoch.edu.au/units/).

**i**

**Part I units (100-level units)** are taken in the first year. Most of the Part I units are worth 3 points each, this means you will be taking 8 units in your first year, being 4 units each semester.

**Part II units (200-level and above units)** are taken in the second or third year of study. Most Part II units are worth 4 points each, this means that you will be taking 6 Part II units in each of the 2nd and 3rd years, being 3 units each semester.

**General Electives** are ‘free choice’ units. You can use these units to meet the requirements of a second major or a minor. Use the Handbook online ([http://handbook.murdoch.edu.au/](http://handbook.murdoch.edu.au/)) to help you search for these and for individual unit prerequisites.

☐ **Check your Timetable**

Generally you should find that the lectures for your core units and specified elective units will not clash, however some general elective units may not fit into your timetable. If this happens you may need to choose another general elective.
You can check the timetable for the units you have chosen for your first semester of enrolment to make sure they are not timetabled to run at the same time.

The quickest method of checking this is to refer to the online teaching timetable’s Nominated Units Enquiry website at: http://www.murdoch.edu.au/admin/timetables/teaching/enquiry.html.

Don’t panic if you are unsure of your choice of units. Do the best you can, and then seek help via:

- **New Student website** [http://www.murdoch.edu.au/students/new/](http://www.murdoch.edu.au/students/new/) provides more details regarding the choices of units and enrolment in units via MyInfo.
- Investigate your **Course Advice Session(s)** that will be held during Orientation Week where there will be staff available to answer your queries about your course. (see Step 5)
- **Faculty Student Administration staff member**. You have been allocated a staff member to assist you with your enrolment queries regarding your chosen course, for contact details see Appendix G. Sample enrolments of popular double majors can be found on the Faculty Student Administration website [http://www.murdoch.edu.au/fsa/](http://www.murdoch.edu.au/fsa/).

- **Now you are ready to enrol ...**
STEP 3

Complete Your Enrolment

☐ Log in to MyMurdoch ..
  … at http://www.murdoch.edu.au/goto/MyMurdoch to access your portal
  to Murdoch’s online facilities using your Murdoch User Name (Student
  Number) and Murdoch Password (as per Step 1).

☐ Click on MyInfo tab
  Log in to MyInfo using your Murdoch User Name (Student Number) and
  Murdoch Password (as per Step 1). And yes, the University is working on this
  double log in process!

  What is MyInfo? MyInfo is the University’s student self enrolment and
  management system. Within MyInfo you can manage your enrolment including
  unit selection, unit set (majors, minors) enrolment and activity signup. You can
  also update your personal details (home and postal addresses, email address
  etc).

☐ Go to Self Enrolment Steps
  Within MyInfo on the left menu, click on <Change Enrolment Details> and
  then <Self Enrolment Steps>. Read all of the information on this page and then
  scroll down to the <Self Enrolment Steps> heading. Work your way through
  each of the steps.

  Icons are used to represent the status of each Self Enrolment Step. Each step has
  an explanation to the process so please read each one carefully.

  ☐ Disclaimer – statement regarding your use of MyInfo
  ☐ Services – opportunity to join the Murdoch Student Guild or validate your
    Transperth Smartrider.
  ☐ Government Statistics – Government requirement to assist in forward
    planning.

☐ Course Completion Date
  Keeps the university informed of when you expect to graduate, so please keep
  this up to date as it is very important.
Unit Sets (Majors and Minors)
You will need to have at least one Unit Set recorded as your Primary Unit Set. Your Primary Unit Set must relate to the course you are currently enrolled under.

What are Unit Sets? This is the name given to Majors and Minors by MyInfo, and often referred to as a Course. You must have at least one primary unit set on MyInfo that matches the course you were offered (eg. Bachelor of Arts in History, with Primary Unit set of History).

Units
This is where you enrol in your individual units. Use the Search function to find the unit you want. You can also just type in the unit code of the unit you wish to enrol in. Do one unit at a time and Save Changes after each unit added. Remember to enrol in all of your units for the year.

D = internal, X = external, S1 = Semester 1, S2 = Semester 2.
When you have successfully enrolled in a unit the ‘Status’ column will show ‘Enrolled’ and the background colour will change from grey to blue.

Remember to make sure you have your Pop-Up Blockers turned off when you are in MyInfo as it will affect your ability to save your units.

Commonwealth Assistance Form (Domestic Students only)
This is a Commonwealth Government requirement. To complete this you will need your Tax File Number (TFN). If you do not have your TFN handy or have not applied for one from the Australian Taxation Office yet you can come back to this step later, however this step must be completed by the Census Date to avoid having your course cancelled as per Commonwealth Government regulations.

Check your Current Enrolment Details
When you have enrolled in all units that you intend to take for the year you are encouraged to view your current enrolment from the Current Enrolment Details menu in MyInfo. Select <Course and Unit Details> and then click on the course code next to the Units heading. You will need to check that all of the units that you intend to take for the year are included.

Unit Status shows as ENROLLED!
Well done, you have enrolled in your units. Please be aware that your Course Status will remain as Inactive until semester begins.

Help
If you have any trouble getting into or navigating your way around MyMurdoch or MyInfo or have a technical issue, check out the Help link or contact the IT Service Desk (itservicedesk@murdoch.edu.au, p: 93602000 or Level 2, North Wing, Library).
STEP 4
Select Your Activities

☐  Sign up for your Activities

What are Activities? Activities are the collective term used for lectures, tutorials, workshops, seminars and laboratories.

You will need to have completed your Unit Enrolment (Step 3) before you can sign up to the associated activities.

Log in to MyMurdoch and then MyInfo as per Step 3 (http://www.murdoch.edu.au/goto/MyMurdoch). On the left menu, click on <Change Enrolment Details> and then <Activity Sign Up>. Read all of the information as it will tell you when the Activity Sign Up function is open.

The system works on a first-in-first-served basis so you are advised to enrol in your activities as soon as possible.

Click on <Add or Change Activities>. Read all of the information and then scroll down to see your Unit enrolments and the available activities.

Although signing up to a Lecture activity may not be mandatory for all units, it is recommended that you do to highlight any possible clashes on your timetable. If your unit attempt status is ‘Invalid’, you will be unable to sign up for activities for that unit.

☐  Select Activities

Make your selections for the different activities. It is recommended that you start with all your lectures first and save. Then choose the other associated activities for each unit, saving as you go. Be sure you also note the start week for each activity as they may not all start from Week 1 of Semester.

☐  View Activities Timetable

Click on the MyUnits page of MyMurdoch to see all of your activities displayed on your Personal Calendar. Print this out for your diary.
Your Program Chair(s) will advise you on the requirements of your course and answer any unit selection and enrolment queries at your “Investigate” - course advice session held before the start of the semester. This session will provide you with valuable information relating to your course, units and enrolment options and it is therefore essential that you attend.


**When and Where is your “Investigate” course advice session?**

- **When:** Tuesday, July 29 at 1.30m
- **Where:** ECL2 (ECL lecture theatre 2)
- **Who:** Chemistry; Mathematics & Statistics; Mineral Science

There are online maps of the three campuses for Murdoch at [http://www.murdoch.edu.au/index/visitors/wherearewe#campuses](http://www.murdoch.edu.au/index/visitors/wherearewe#campuses). The maps will provide details of where the course advice venues are.

If you are still unsure of your choice of units after you have read this booklet and you have attended the relevant “Investigate” course advice session you can email or phone your Faculty Student Administration staff member (Appendix G) with details of your query.
Go To Orientation and Start Uni

The Orientation program has been designed to meet your specific needs as a new student to Murdoch. This includes an introduction to key Murdoch University staff, the campus and to the facilities and services that are available to you. You should expect to attend at least 2 days at Orientation to experience the helpful and friendly atmosphere at Murdoch.

You can check the full orientation timetable (http://www.murdoch.edu.au/students/new/orientation.html) for event and Investigate - course advice session details.

All students should attend Orientation to experience the helpful and friendly atmosphere at Murdoch.

☐ Things to do during Orientation Week:

☐ Discover – All about Murdoch and what you should expect here.
☐ Investigate – Your course advice session to find out what your enrolment options are and how your Program Chair can help you.
☐ Support – Who can help you? Find out before you need it!
☐ Explore – Campus and Library tours. How not to get lost.
☐ Connect – Computer use on campus
☐ Succeed – How to be a successful student

and

☐ Meet the Student Guild and find out about their services
☐ Have your photo taken for your Student ID/Library Card
☐ Organise a parking permit (or avoid the queues and do it online at: http://www.oss.murdoch.edu.au/parking/)
☐ Join one of the many Murdoch Clubs & Societies
☐ Meet other students in your same course.
Important Information and FAQs

General Electives – What are they, where can I find them? A General Elective is a unit that is not a required unit (that is not a Core Unit or Specified Elective) for your major or course. It can be selected from outside your primary area of study and may form part of a second major or minor. There is no single ‘list’ of General Electives. You can select General Electives by taking the units that make up a second major or minor or by looking at the online Handbook complete list of units available [http://handbook.murdoch.edu.au/units/](http://handbook.murdoch.edu.au/units/).

Units – Which units do I need to do and how do I know that I have enrolled in the right units? Your Checklist of Units and Prerequisites (Appendix B) and Sample Enrolment (Appendix C) in this booklet show you which are your required units. The Sample Enrolments for other majors are available from the Faculty Student Administration website [http://www.murdoch.edu.au/fsa/](http://www.murdoch.edu.au/fsa/).

Invalid Units – Why is my unit enrolment INVALID? Beside the invalid unit, you will find a grey button labelled ‘Why is this Invalid?’. When you click on this button, a pop-up window will display the reason that the unit is invalid. If you still require help, print off or copy down this information before contacting your Faculty Student Administration staff member (Appendix G).

Activities – How do I sign up & what do I do if they are full? Use Step 4 to assist you with your Activity sign up within the MyInfo part of MyMurdoch. If your chosen Activity is full, there are three options available: review your whole timetable to check if you can change to another unit, consider doing a unit externally (if available), or contact the Unit Coordinator if you have exceptional circumstances. Unit Coordinator contact details can be found by entering the unit code in the search bar on the MyUnits page of MyMurdoch.

Where can I find my credit and exemptions (Advanced Standing)? If you have notified the University that you wish to be assessed for Advanced Standing (either on your application or via contact with the Accreditation Officer), your credit and exemptions will be shown on the MyInfo part of MyMurdoch. Go to ‘Current Enrolment Details’, select <Course and Unit Details>, scroll down the list to ‘Advanced Standing’ and click on course code next to this heading (eg B1137). Allow at least 10 working days from receipt by the University of your application and supporting documentation before this information will be available on your enrolment record. Should you have any queries regarding Advanced Standing you should contact the Accreditation Officer (see Appendix H).
Enrolment Deadlines – Internal and External units. You will be expected to enrol in all your units for the current year as soon as possible. The last date to add a unit is the end of Week 1 of Semester. For external units, the mail-out of unit materials will commence two weeks prior to the start of each Semester, so you should enrol in your external units as soon as possible. If you enrol in an external unit you should allow up to 10 days from the date you enrolled to receive your materials.

University Regulations and Rules Students should ensure they are familiar with the University’s internal legislation, including provisions specifically relevant to their studies. University Regulations and Rules - see http://www.murdoch.edu.au/admin/legsln/

How do I add or change my course, major or minor? To change your course entirely will require a course transfer which can only be applied for near the end of each semester. The relevant course transfer form, Amend Course Details, can be found at http://www.oss.murdoch.edu.au/forms/. Most second majors and minors can be added or changed under ‘Unit Sets’ in the ‘Self Enrolment Steps’ on the MyInfo part of MyMurdoch.

Email Account & Correspondence The University’s primary form of contact with students is via email. The University automatically provides you with an email address, (yourstudentnumber@student.murdoch.edu.au) and you can access this email account at: https://wwwstudent.murdoch.edu.au/mail using your Murdoch User name and Password (same as MyMurdoch). You can choose to use a different email account, for example a Yahoo account. It is essential that you keep the email address listed in the MyInfo page of MyMurdoch up to date so that you receive important communications from your lecturers and the University.

Cancellation of Courses, Minors and Units The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University.

Glossary A general summary to help you with some of the more common terms that you will come across as you plan your studies can be found on the Faculty Student Administration web page. A full list of Murdoch terminology and relevant regulation requirements can be found in the Murdoch Glossary (http://handbook.murdoch.edu.au/2008/09_glossary.pdf ).
# APPENDIX A

## Full Course Description

### Chemistry (BSc)

<table>
<thead>
<tr>
<th>Qualifications</th>
<th>Bachelor of Science (BSc) in Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>72</td>
</tr>
<tr>
<td>Course Codes</td>
<td>B1035</td>
</tr>
</tbody>
</table>

**Description**

Chemistry underpins many industries from manufacturing to drug discovery, agriculture to criminal investigation. Chemists play leading roles in the fight against disease, the discovery and utilisation of natural resources, the development of environmentally friendly industrial processes, as well as new materials for applications in nanotechnology, the space industry and other areas. It is important as a science in its own right, and is widely applicable to biological, environmental, energy conservation and industrial processes. The structure of the Chemistry major has been designed to provide students with a thorough understanding of chemistry whilst retaining the flexibility to study complementary, specialised areas of interest as 'minors'. This is achieved by:

- a) providing a broad and diversified scientific base in first year, which includes essential principles of mathematics and chemistry;
- b) expanding and developing chemical knowledge in second year; and
- c) allowing students to develop specialised skills in their third year.

'Minors' can be completed in three years in conjunction with a Chemistry major and will appear on your academic transcript. Students intending to undertake any of the listed minors should be aware that Part I prerequisites may apply.

### Special Requirements

Students enrolling in units that have a practical component must make allowance for on-campus attendance to complete the practical work. The on-campus sessions for external students are generally held in a one week block; the dates are published in each unit guide. Students studying externally will need internet access.

### Recommended Double Majors

- Biotechnology (BSc);
- Environmental Science (BEnvSc, BSc);
- Mathematics and Statistics (BSc);
- Mineral Science (BSc);
- Molecular Biology (BSc);
- Physics (BSc)

### Excluded Minors

- Chemistry;
- Energy Physics;
- Forensic Analysis

### Professional Recognition

With an appropriate choice of units, graduates are eligible for membership of the professional organisation for chemists, the Royal Australian Chemical Institute (RACI).

Note that the information below constitutes the minimum requirements for a BSc (Chem). Examples of programs for students interested in pursuing chemistry with an environmental, metallurgical, biological etc. flavour can be found at www.cms.murdoch.edu.au/areas/chemistry
## Mathematics and Statistics (BSc)

<table>
<thead>
<tr>
<th>Qualifications</th>
<th>Bachelor of Science (BSc) in Mathematics and Statistics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points for Course</td>
<td>72</td>
</tr>
<tr>
<td>Course Codes</td>
<td>B1043</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>The focus of the Mathematics and Statistics major is on mathematical and statistical training for future employment in business, industry or government. Students may concentrate on mathematical modelling, with special emphasis given to methods and applications in the life and environmental sciences and engineering, or on applied statistics, with emphasis on methods and applications in the life and health sciences (biostatistics), the environment, commerce and industry, or students may wish to combine units from both areas. The major is designed to produce practical mathematicians and statisticians with a flexible outlook, a mix of technical skills, and an awareness of the modern uses of mathematics and statistics.</td>
</tr>
<tr>
<td>Special Requirements</td>
<td>Students completing the major externally should note that access to a suitable computer and software packages is required for some of the units.</td>
</tr>
<tr>
<td>Recommended Double Majors</td>
<td>Biological Sciences (BSc); Biomedical Science (BSc); Chemistry (BSc); Computer Science (BSc); Economics (B Econ); Education (BEd) [Primary Teaching, Secondary Teaching] (4 years); Engineering (BE); Environmental Science (BEnvSc, BSc); Law (Four-Year Degree) (LLB); Physics (BSc); Psychology (BPsych, BA)</td>
</tr>
<tr>
<td>Excluded Minors</td>
<td>Applied Statistics [unless appropriate units are selected]; Mathematical Modelling [unless appropriate units are selected]</td>
</tr>
</tbody>
</table>
# Mineral Science (BSc)

<table>
<thead>
<tr>
<th>Qualifications</th>
<th>Bachelor of Science (BSc) in Mineral Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points for Course</td>
<td>72</td>
</tr>
<tr>
<td>Course Codes</td>
<td>B1044</td>
</tr>
<tr>
<td>Description</td>
<td>Mineral extraction processes bridge science and engineering disciplines. Mineral scientists focus on the fundamental science of these processes. A Mineral Science degree offers the opportunity to train in interdisciplinary sciences by taking units in cognate disciplines, while gaining exposure to working in an engineering environment. This degree also caters for students with interests in mineral science, who wish to meet the requirements of double major degrees with Chemistry, Environmental Science, or other disciplines such as Law and Management.</td>
</tr>
<tr>
<td>Special Requirements</td>
<td>Students studying externally are required to attend on-campus laboratory sessions for the laboratory-based units and these usually take the form of three- to five-day intensive sessions in non-teaching breaks.</td>
</tr>
<tr>
<td>Recommended Double Majors</td>
<td>Chemistry (BSc) [double major with Mineral Science (BSc)]; Environmental Science (BEnvSc, BSc) [double major with Mineral Science (BSc)]; Law (Four-Year Degree) (LLB) [double major with Mineral Science (BSc)]</td>
</tr>
<tr>
<td>Excluded Minors</td>
<td>Hydrometallurgy; Mineral Processing; Mineral Resources</td>
</tr>
<tr>
<td>Professional Recognition</td>
<td>Graduates, after gaining experience in the mineral industry, are eligible for professional membership of the Australasian Institute of Mining and Metallurgy.</td>
</tr>
</tbody>
</table>
APPENDIX B

Checklist of Units & Prerequisites

Chemistry (BSc)
Course Structure — 72 points

Part I — 24 points

□ Foundation Unit — 3 points
Select one Foundation Unit from the Foundation Units section in this Handbook.

Core Units — 12 points
(Choices between alternative units here will depend on intended choices in Part II)

□ PEC143 Chemical Laboratory Techniques — 3 pts
  Murd: S1-Ext, S2-Int

□ PEC152 Principles of Physics — 3 pts
  Murd: S1-Int, S1-Ext, S2-Int, S2-Ext

□ MAS182 Applied Mathematics — 3 pts
  Murd: S1-Int, S1-Ext, S2-Int, S2-Ext

□ OR
  □ MAS161 Calculus and Matrix Algebra — 3 pts
    Murd: S2-Int, S2-Ext

□ General Electives — 9 points
Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using these points to meet the requirements of a second major or minor or RACI accreditation. Please refer to any recommended Double Majors and Minors listed in the description of this course.

Part II — 48 points

Core Units — 28 points

□ PEC247 Physical and Inorganic Chemistry — 4 pts
  Murd: S1-Int, S1-Ext

□ PEC238 Biological Chemistry — 4 pts
  Murd: S2-Int, S2-Ext

□ PEC240 Analytical Chemistry — 4 pts
  Murd: S1-Int, S1-Ext

□ PEC201 Thermodynamics — 4 pts
  Murd: S2-Int, S2-Ext

□ PEC340 Instrumental Analysis — 4 pts
  Murd: S2-Int, S2-Ext

□ PEC347 Aquatic Chemistry — 4 pts
  Murd: S1-Int, S1-Ext

□ PEC349 Biomolecular Design — 4 pts
  Murd: S2-Int, S2-Ext

□ Students who do not have a satisfactory level of Chemistry, as determined by the Program Chair, are required to enrol in, and pass, PEC140 Introduction to Chemistry — 3 pts [Murd: S1-Int, S1-Ext, S2-Int, S2-Ext] as a prerequisite for PEC144 Chemical Principles — 3 pts. Students enrolled in a double major with a course having BIO152 Cell Biology or BIO103 Environmental Biology as a required unit, may use one of them to replace PEC152 Principles of Physics — 3 pts.

□ Exemption from one of the third-year Chemistry units may be granted by the Chemistry Program Chair to students who complete a double major in another cognate discipline. Students enrolled in a double major with a program requiring BIO270 Biochemistry I and BIO371 Biochemistry II may use both of these units to replace one or two of the above core units, subject to Part I prerequisites.

□ General Electives — 20 points
Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using these points to meet the requirements of a second major or minor or RACI accreditation. Please refer to any recommended Double Majors and Minors listed in the description of this course. Details on requirements for RACI accreditation can be obtained from the Chemistry Program Chair.
Prerequisites — Chemistry (BSc)

Analytical Chemistry (PEC240)
Prerequisites: PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Science or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles.

Applied Mathematics (MAS182)
Prerequisites: M164/MAS164 Fundamentals of Mathematics or at least a pass in the Year 11 course Introduction to Calculus together with a final scaled score of 55% or more in TEE Applicable Mathematics.

Aquatic Chemistry (PEC347)
Prerequisites: PEC247 Physical and Inorganic Chemistry or PEC240 Analytical Chemistry.

Biological Chemistry (PEC238)
Prerequisites: PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Science or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles. Students with good grades in PEC115 Chemistry for Environmental Science may be admitted with the permission of the Unit Coordinator.

Biomolecular Design (PEC349)
Prerequisites: PEC238 Biological Chemistry.

Calculus and Matrix Algebra (MAS161)
Prerequisites: M182/MAS182 Applied Mathematics or a final scaled score of 55% or more in TEE Calculus or equivalent.

Chemical Laboratory Techniques (PEC143)
Prerequisites: A thorough knowledge of Year 12 Chemistry is assumed. Students who did not achieve a final scaled score of more than 60% in TEE Chemistry within the three years immediately preceding enrolment are required to pass PEC140 Introduction to Chemistry before enrolling in this unit.

Chemical Principles (PEC144)
Prerequisites: A thorough knowledge of Year 12 secondary-level Chemistry is assumed. Students who did not achieve a final scaled score of 60% or more in TEE Chemistry within the three years immediately preceding enrolment are required to pass PEC140 Introduction to Chemistry prior to enrolling. Students who are unsure of their status should consult the Chemistry Program Chair.

Instrumental Analysis (PEC340)
Prerequisites: PEC240 Analytical Chemistry.

Introduction to Chemistry (PEC140)
Prerequisites: This unit is for students with a weak background in Chemistry. Students with a final scaled score of more than 60% in TEE Chemistry within the past three years may be excluded from the unit. A knowledge of basic mathematics will be assumed.

Physical and Inorganic Chemistry (PEC247)
Prerequisites: PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Science or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles; MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra or MAS183 Statistical Data Analysis and Databases.

Principles of Physics (PEC152)
Prerequisites: Concurrent enrolment in MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra; plus a final scaled score of 60% or more in TEE Physics or M120/PEC120 General Physics.

Statistical Data Analysis and Databases (MAS183)

Thermodynamics (PEC201)
Prerequisites: MAS161 Calculus and Matrix Algebra or MAS182 Applied Mathematics or MAS183 Statistical Data Analysis and Databases; PEC152 Principles of Physics; PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Science or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.
Mathematics and Statistics (BSc)

Course Structure — 72 points

Part I — 24 points

☐ Foundation Unit — 3 points
Select one Foundation Unit from the Foundation Units section in this Handbook.

Core Units — 9 points

☐ MAS161 Calculus and Matrix Algebra — 3 pts
  Murd: S2-Int, S2-Ext
☐ MAS167 Computational Mathematics — 3 pts
  Murd: S1-Int, S1-Ext, S2-Int, S2-Ext
☐ MAS183 Statistical Data Analysis and Databases — 3 pts
  Murd: S1-Int, S1-Ext, S2-Int, S2-Ext
☐ Students without the necessary calculus background will also be required to take:
  ☐ MAS182 Applied Mathematics — 3 pts
    Murd: S1-Int, S1-Ext, S2-Int, S2-Ext

General Electives — 12 points
Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using these points to meet the requirements of a second major or minor. Please refer to any recommended Double Majors and Minors listed in the description of this course.

Part II — 48 points

Core Units — 24 points
Select at least 12 points from the following:

☐ MAS208 Mathematical Modelling — 4 pts
  Murd: S2-Int, S2-Ext
☐ MAS230 Biostatistical Methods — 4 pts
  Murd: S2-Int, S2-Ext

OR

☐ MAS284 Applied Statistics and Process Management — 4 pts
  Murd: S1-Int, S1-Ext, S2-Int, S2-Ext
☐ MAS261 Mathematical Methods — 4 pts
  Murd: S1-Int, S1-Ext
☐ MAS278 Stochastic Models and Inference — 4 pts
  Murd: S2-Int, S2-Ext

Students should ensure that they have satisfied the prerequisites for their chosen 300-level units. plus at least 12 points from the following:

☐ MAS305 Environmental and Biological Modelling — 4 pts
  Murd: S1-Int, S1-Ext

☐ MAS368 Time Series and Multivariate Analysis — 4 pts
  Murd: S1-Int, S1-Ext
☐ MAS374 Statistical Design and Data Analysis — 4 pts
  Murd: S2-Int, S2-Ext
☐ MAS375 Modelling and Simulation — 4 pts
  Murd: S2-Int, S2-Ext

General Electives — 24 points
Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using these points to meet the requirements of a second major or minor. Please refer to any recommended Double Majors and Minors listed in the description of this course.

Prerequisites — Mathematics and Statistics (BSc)

Applied Mathematics (MAS182)
Prerequisites: M164/MAS164 Fundamentals of Mathematics or at least a pass in the Year 11 course Introduction to Calculus together with a final scaled score of 55% or more in TEE Applicable Mathematics.

Applied Statistics and Process Management (MAS284)
Prerequisites: A basic understanding of simple descriptive statistics and elementary probability.

Biostatistical Methods (MAS230)
Prerequisites: M180/MAS180 Introduction to Statistics or M183/MAS183 Statistical Data Analysis and Databases or M184/MAS184 Biostatistics and Information Retrieval.

Calculus and Matrix Algebra (MAS161)
Prerequisites: M182/MAS182 Applied Mathematics or a final scaled score of 55% or more in TEE Calculus or equivalent.

Computational Mathematics (MAS167)
Prerequisites: A pass in Year 11 Foundations of Mathematics, or equivalent.

Environmental and Biological Modelling (MAS305)
Prerequisites: A208/MAS208 Mathematical Modelling or M261/MAS261 Mathematical Methods.

Mathematical Methods (MAS261)
Prerequisites: M161/MAS161 Calculus and Matrix Algebra or A208/MAS208 Mathematical Modelling.

Mathematical Modelling (MAS208)
Prerequisites: M182/MAS182 Applied Mathematics or M161/MAS161 Calculus and Matrix Algebra.
Prerequisites — Mathematics and Statistics (BSc) (Continued)

Modelling and Simulation (MAS375)
Prerequisites: M161/MAS161 Calculus and Matrix Algebra or A208/MAS208 Mathematical Modelling or both M167/MAS167 Computational Mathematics and M182/MAS182 Applied Mathematics.

Statistical Design and Data Analysis (MAS374)
Prerequisites: M284/MAS284 Applied Statistics and Process Management or M230/MAS230 Biostatistical Methods or M278/MAS278 Probability and Statistical Inference.

Stochastic Models and Inference (MAS278)
Prerequisites: M180/MAS180 Introduction to Statistics OR M183/MAS183 Statistical Data Analysis and Databases OR M184/MAS184 Biostatistics and Information Retrieval OR M284/MAS284 Applied Statistics and Process Management OR MAS230 Biostatistical Methods. In addition, students must have a calculus background equivalent to at least M182/MAS182 Applied Mathematics.

Time Series and Multivariate Analysis (MAS368)
Prerequisites: M278/MAS278 Probability and Statistical Inference or M284/MAS284 Applied Statistics and Process Management or M230/MAS230 Biostatistical Methods. In addition, students must have a calculus background equivalent to at least M161/MAS161 Calculus and Matrix Algebra
Mineral Science (BSc)

Course Structure — 72 points

Part I — 24 points

Foundation Unit — 3 points
Select one Foundation Unit from the Foundation Units section in this Handbook.

Core Units — 18 points

- PEC144 Chemical Principles — 3 pts
  Murd: S1-Int, S1-Ext, S2-Int, S2-Ext
  (Students with a weaker background in chemistry should take PEC140 Introduction to Chemistry — 3 pts [Murd: S1-Int, S1-Ext, S2-Int, S2-Ext] beforehand)

- MAS182 Applied Mathematics — 3 pts
  Murd: S1-Int, S1-Ext, S2-Int, S2-Ext
  (Students with a weak background in calculus should take MAS164 Fundamentals of Mathematics — 3 pts [Murd: S1-Int, S1-Ext, S2-Int] or an approved calculus bridging course beforehand)

- EXM130 Geological Processes — 3 pts
  Murd: S2-Int, S2-Ext

- EXM131 Introduction to Extractive Metallurgy — 3 pts
  Murd: S1-Int, S1-Ext

- PEC152 Principles of Physics — 3 pts
  Murd: S1-Int, S1-Ext, S2-Int, S2-Ext
  (Students with a weak background in physics should take PEC120 General Physics — 3 pts [Murd: S1-Int, S1-Ext, S2-Ext] beforehand)

Year 2

- EXM224 Principles of Unit Operations — 4 pts
  Murd: S1-Int, S1-Ext

- PEC247 Physical and Inorganic Chemistry — 4 pts
  Murd: S1-Int, S1-Ext

Core Units — 32 points

Year 3

- EXM301 Mineral Processing I — 4 pts
  Murd: S1-Int

- EXM302 Mineral Processing II — 4 pts
  Murd: S2-Int

- EXM357 Hydrometallurgy — 4 pts
  Murd: S2-Int, S2-Ext

- EXM358 Pyrometallurgy — 4 pts
  Murd: S1-Int, S1-Ext

General Electives — 16 points
Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using these points to meet the requirements of a second major or minor. Please refer to any recommended Double Majors and Minors listed in the description of this course.

Prerequisites — Mineral Science (BSc)

Applied Mathematics (MAS182)
Prerequisites: M164/MAS164 Fundamentals of Mathematics or at least a pass in the Year 11 course Introduction to Calculus together with a final scaled score of 55% or more in TEE Applicable Mathematics.

Calculus and Matrix Algebra (MAS161)
Prerequisites: M182/MAS182 Applied Mathematics or a final scaled score of 55% or more in TEE Calculus or equivalent.

Chemical Principles (PEC144)
Prerequisites: A thorough knowledge of Year 12 secondary-level Chemistry is assumed. Students who did not achieve a final scaled score of 60% or more in TEE Chemistry within the three years immediately preceding enrolment are required to pass PEC140 Introduction to Chemistry prior to enrolling. Students who are unsure of their status should consult the Chemistry Program Chair.

Fundamentals of Mathematics (MAS164)
Prerequisites: Nil.
Prerequisites — Mineral Science (BSc) (Continued)

General Physics (PEC120)
Prerequisites: Nil. TEE Applicable Mathematics or MAS164 Fundamentals of Mathematics are strongly recommended and may be taken concurrently.

Geological Processes (EXM130)
Prerequisites: No prior knowledge of geology is required. Knowledge of physical sciences at senior high school level is assumed.

Hydrometallurgy (EXM357)
Prerequisites: M201/PEC201 Chemical Thermodynamics, or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

Introduction to Chemistry (PEC140)
Prerequisites: This unit is for students with a weak background in Chemistry. Students with a final scaled score of more than 60% in TEE Chemistry within the past three years may be excluded from the unit. A knowledge of basic mathematics will be assumed.

Introduction to Extractive Metallurgy (EXM131)
Prerequisites: Knowledge of physical sciences at senior high school level is assumed.

Mineral Processing I (EXM301)
Prerequisites: M131/EXM131 Introduction to Extractive Metallurgy, and M182/MAS182 Applied Mathematics or M161/MAS161 Calculus and Matrix Algebra OR enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

Mineral Processing II (EXM302)
Prerequisites: M131/EXM131 Introduction to Extractive Metallurgy, and M182/MAS182 Applied Mathematics or M161/MAS161 Calculus and Matrix Algebra OR enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

Physical and Inorganic Chemistry (PEC247)
Prerequisites: PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Science or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles; MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra or MAS183 Statistical Data Analysis and Databases.

Principles of Physics (PEC152)
Prerequisites: Concurrent enrolment in MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra; plus a final scaled score of 60% or more in TEE Physics or M120/PEC120 General Physics.

Principles of Unit Operations (EXM224)
Prerequisites: M182/MAS182 Applied Mathematics or M161/MAS161 Calculus and Matrix Algebra and M152/PEC152 Principles of Physics or high school physics, or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

Process Mineralogy (EXM256)
Prerequisites: M130/EXM130 Geological Processes or equivalent, or approval of the unit coordinator, or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

Pyrometallurgy (EXM358)
Prerequisites: M201/PEC201 Chemical Thermodynamics, or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

Thermodynamics (PEC201)
Prerequisites: MAS161 Calculus and Matrix Algebra or MAS182 Applied Mathematics or MAS183 Statistical Data Analysis and Databases; PEC152 Principles of Physics; PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Science or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.
### Chemistry (BSc)

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Foundation Unit (see list below) 3pts</td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td>**PEC143 Chemical Laboratory Techniques 3pts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAS182 Applied Mathematics 3pts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PEC120 General Physics (only if you do not have Year 12 Physics mark 60% or over)</td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td>Year 12 Physics mark 60% or over 12pts</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>OR</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Part I Unit (General Elective)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>students who did not achieve a scaled score of 60% or more for Year 12</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chemistry must enrol in PEC140 Introduction to Chemistry before taking these units)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 2</td>
<td>PEC152 Principles of Physics 3pts</td>
<td>PEC238 Biological Chemistry 4pts</td>
</tr>
<tr>
<td></td>
<td>**PEC144 Chemical Principles 3pts</td>
<td>PEC201 Thermodynamics 4pts</td>
</tr>
<tr>
<td></td>
<td>Part I unit (General Elective) 3pts</td>
<td>Part II Unit (General Elective) 4pts</td>
</tr>
<tr>
<td></td>
<td>Part I unit (General Elective) 3pts</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>12pts</td>
</tr>
<tr>
<td>Year 3</td>
<td>PEC247 Physical and Inorganic Chemistry 4pts</td>
<td>PEC340 Instrumental Analysis 4pts</td>
</tr>
<tr>
<td></td>
<td>PEC240 Analytical Chemistry 4pts</td>
<td>PEC349 Biomolecular Design 4pts</td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective) 4pts</td>
<td>Part II Unit (General Elective) 4pts</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12pts</td>
<td>12pts</td>
</tr>
<tr>
<td>Year 4</td>
<td>PEC347 Aquatic Chemistry 4pts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective) 4pts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective) 4pts</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>12pts</td>
</tr>
</tbody>
</table>

**Foundation Unit:** Select one of the following:

- FDN115 Interactions of Society and Technology
- FDN150 Reinventing Australia
# Mathematics and Statistics (BSc)

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Foundation Unit (see list below)</td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td><strong>MAS161 Calculus and Matrix Algebra</strong></td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td><strong>MAS164 Fundamentals of Mathematics (only if</strong></td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td>you have not achieved a score of 55% or more in</td>
<td>TEE Applicable Mathematics)</td>
</tr>
<tr>
<td></td>
<td>TEE Applicable Mathematics)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAS182 Applied Mathematics (only if you have</td>
<td></td>
</tr>
<tr>
<td></td>
<td>not achieved a score of 55% or more in TEE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Calculus)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(** students who did not achieve a score of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>55% for Year 12 Calculus must enrol in</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAS182 Applied Mathematics before taking this</td>
<td></td>
</tr>
<tr>
<td></td>
<td>unit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>** Core Unit 200 Level # (see list below)**</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective)*</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective)*</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>** Core Unit 300 Level ## (see list below)**</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective)*</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>** Core Unit 300 Level ## (see list below)**</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective)*</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>** Core Unit 300 Level ## (see list below)**</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective)*</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>** Core Unit 300 Level ## (see list below)**</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective)*</td>
<td>4pts</td>
</tr>
</tbody>
</table>

**Foundation Unit:** Select one of the following:

- FDN115 Interactions of Society and Technology
- FDN150 Reinventing Australia

**# Core Unit 200 Level:** Select at least 3 from the following:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAS261 Mathematical Methods</td>
<td>MAS208 Mathematical Modelling</td>
</tr>
<tr>
<td>MAS284 Applied Statistics and Process Management</td>
<td>MAS230 Biostatistical Methods</td>
</tr>
<tr>
<td></td>
<td>MAS278 Probability and Statistical Inference</td>
</tr>
</tbody>
</table>

(Only one of MAS230 Biostatistical Methods and MAS284 Applied Statistics and Process Management can be used to satisfy this requirement, although the other may be used as a general elective).

Students should ensure that they have satisfied the prerequisites for their chosen 300-level units.

**## Core Unit 300 Level:** Select at least 3 from the following:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAS305 Environmental and Biological Modelling</td>
<td>MAS374 Statistical Design and Data Analysis</td>
</tr>
<tr>
<td>MAS368 Analysis of Multivariate &amp; Time Series Data</td>
<td>MAS375 Modelling and Simulation</td>
</tr>
</tbody>
</table>
## Mineral Science – (BSc)

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Foundation Unit (see list below)</td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td>PEC144 Chemical Principles</td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td>(unless completed in Semester 1)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAS161 Calculus and Matrix Algebra</td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td>EXM130 Geological Processes</td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td>12pts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EXM131 Introduction to Extractive Metallurgy</td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td>MAS182 Applied Mathematics</td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td>(students who do not have a TEE Applicable Mathematics final scaled score of 55% or more must complete MAS164 Fundamentals of Mathematics prior to enrolling into this unit.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PEC152 Principles of Physics</td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td>(students who do not have a TEE Physics final scaled score of 60% or more must complete PEC120 General Physics prior to enrolling in this unit.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PEC140 Introduction to Chemistry</td>
<td>3pts</td>
</tr>
<tr>
<td></td>
<td>(if your TEE Chemistry final scaled score is not 60% or more.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PEC116 Chemistry for Physical Sciences</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(if your TEE Chemistry final scaled score is not 60% or more.)</td>
<td>12pts</td>
</tr>
<tr>
<td>Year 2</td>
<td>EXM224 Principles of Unit Operations</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>PEC247 Physical and Inorganic Chemistry</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective)</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>12pts</td>
<td></td>
</tr>
<tr>
<td>Year 3</td>
<td>EXM201 Thermodynamics</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>EXM256 Process Mineralogy</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective)</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>12pts</td>
<td></td>
</tr>
<tr>
<td>Year 4</td>
<td>EXM301 Mineral Processing I</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>EXM358 Pyrometallurgy</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>Part II Unit (General Elective)</td>
<td>4pts</td>
</tr>
<tr>
<td></td>
<td>12pts</td>
<td></td>
</tr>
</tbody>
</table>

**Foundation Unit**: Select one of the following:

- FDN105 Structure, Thought and Reality
- FDN106 World Indigenous Knowledges
- FDN108 Life and the Universe
- FDN115 Interactions of Society and Technology
- FDN130 Age of Information
- FDN140 Evolution and Revolution
- FDN150 Reinventing Australia
All Murdoch students are required to complete one Foundation Unit unless they have been awarded Advanced Standing including an exemption for it. Check the teaching timetable for most up-to-date day, time and room location of each Foundation Unit: (http://www.murdoch.edu.au/admin/timetables/teaching/). All foundation units have Lectures: 2 hours per week; workshops/tutorials: 2 hours per week. Below are the foundation units on offer for semester 2.

**FDN115 Interactions of Society and Technology**
Murdoch: Semester 1-internal, Semester 1-external, Semester 2-internal, Semester 2-external
Peel: Semester 1-internal, Semester 2-internal,
Rockingham: Semester 1-internal, Semester 2-internal
Unit Coordinator – Martina Muller, m.muller@murdoch.edu.au
Tel: 9360 2955, Room: Science and Computing 2.011

Society’s constantly evolving interrelationship with technology has fundamentally changed our perception of ourselves and society. It is increasingly important for people to have a broad understanding of social, historical, ethical, economic and environmental factors that interconnect societal development with the nature of technology. FDN115 will provide students with an understanding of these important issues. Topics: histories of western culture and sciences, the nature of democracy, life cycle analysis and sustainability, political structures, cities, reproductive technologies, privacy, medicine, design and innovation.

**FDN150 Reinventing Australia**
Murdoch: Semester 1-internal, Semester 1-external, Semester 2-internal, Semester 2-external
Rockingham: Semester 1-internal
Unit Coordinator – Dr Brad Pettitt, b.pettit@murdoch.edu.au
Tel: 9360 6465, Room: Social Sciences Room 3.017

As Australia is in some sense being ‘reinvented’ by globalisation, new technology and other forces for change, we consider just what ‘Australia’ is and possibilities for shaping its future. Topics: contemporary issues such as the environment, Aboriginal rights, the family and citizenship. Our aim is to identify and understand some of the salient features of Australian society.
**APPENDIX E**

**Personal Study Plan**

Unit Sets: ________________________________

<table>
<thead>
<tr>
<th>YEAR</th>
<th>SEMESTER 1</th>
<th>SEMESTER 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Program Chair & Academic Contact Details

**Chemistry:** Dr Leonie Hughes [l.hughes@murdoch.edu.au](mailto:l.hughes@murdoch.edu.au)
08 9360 2886 Physical Sciences Room 2.009

**Mathematics and Statistics:** Dr Duncan Farrow [d.farrow@murdoch.edu.au](mailto:d.farrow@murdoch.edu.au)
08 9360 2819 Science and Computing Room 3.004

**Mineral Science:** Dr Nimal Subasinghe [n.subasinghe@murdoch.edu.au](mailto:n.subasinghe@murdoch.edu.au)
08 9360 2568 Science and Computing Room 2.037

Correct at time of printing. For the most up-to-date list of Academic contacts, please consult: [http://www.murdoch.edu.au/contacts/academic/](http://www.murdoch.edu.au/contacts/academic/)

Enrolment Enquiries

Enrolment advice will be provided at the Course Advice Sessions and during Orientation Week. If you have attended one of these sessions and still have enrolment queries, please contact your Faculty Student Administration staff member.

Annette Connolly, Student Administrative Officer
[anette.connolly@murdoch.edu.au](mailto:anette.connolly@murdoch.edu.au)
Education and Humanities Building Room 2.002
p: 08 9360 6268

The New Students website ([http://www.murdoch.edu.au/students/new/](http://www.murdoch.edu.au/students/new/)) will also assist you with links to enrolment procedures, sample enrolments, including unit selection for common double majors, Fees, Orientation and Services and Facilities.
## APPENDIX H
### Handy Contacts and Websites

<table>
<thead>
<tr>
<th>Need help with:</th>
<th>Contact</th>
<th>Email</th>
<th>Phone (+618)</th>
<th>Location/Murdoch Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT/MyInfo</td>
<td>IT Service Desk</td>
<td><a href="mailto:itservicedesk@murdoch.edu.au">itservicedesk@murdoch.edu.au</a></td>
<td>9360 2000</td>
<td>Library (north) Level 2</td>
</tr>
<tr>
<td>Student ID cards</td>
<td>IT Service Desk</td>
<td><a href="mailto:itservicedesk@murdoch.edu.au">itservicedesk@murdoch.edu.au</a></td>
<td>9360 2000</td>
<td>Library (north) Level 2</td>
</tr>
<tr>
<td>Parking Permits</td>
<td>Student Service Centre</td>
<td><a href="mailto:parking@murdoch.edu.au">parking@murdoch.edu.au</a></td>
<td>9360 6127</td>
<td>Chancellery 2.020</td>
</tr>
<tr>
<td>HECS-Help and Fees</td>
<td>Student Service Centre</td>
<td><a href="mailto:fees@murdoch.edu.au">fees@murdoch.edu.au</a></td>
<td>9360 6127</td>
<td>Chancellery 2.020</td>
</tr>
<tr>
<td>Books/Unit materials</td>
<td>Bookshop</td>
<td><a href="mailto:bookshop@murdoch.edu.au">bookshop@murdoch.edu.au</a></td>
<td>9360 2540</td>
<td>Refectory 2.051</td>
</tr>
<tr>
<td>International Students</td>
<td>Murdoch International</td>
<td><a href="mailto:internat@murdoch.edu.au">internat@murdoch.edu.au</a></td>
<td>9360 6770</td>
<td>Senate 1.001</td>
</tr>
<tr>
<td>Advanced Standing – Credit &amp; Exemptions</td>
<td>Mr Allan Wong (Domestic Students)</td>
<td><a href="mailto:A.Wong@murdoch.edu.au">A.Wong@murdoch.edu.au</a></td>
<td>9360 6352</td>
<td>Chancellery 2.027</td>
</tr>
<tr>
<td></td>
<td>Mr John Tan (International Stud.)</td>
<td><a href="mailto:J.Tan@murdoch.edu.au">J.Tan@murdoch.edu.au</a></td>
<td>9360 6010</td>
<td>Senate 1.001</td>
</tr>
<tr>
<td>First Year Experience Coordinator</td>
<td>Pamela Martin-Lynch</td>
<td><a href="mailto:p.martin-lynch@murdoch.edu.au">p.martin-lynch@murdoch.edu.au</a></td>
<td>9360 2519</td>
<td>Library 3.001B</td>
</tr>
</tbody>
</table>

### Handy Websites

<table>
<thead>
<tr>
<th>Category</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Student home page</td>
<td><a href="http://www.murdoch.edu.au/students/new/">http://www.murdoch.edu.au/students/new/</a></td>
</tr>
<tr>
<td>Dates and Deadlines</td>
<td><a href="http://www.oss.murdoch.edu.au/timetables/">http://www.oss.murdoch.edu.au/timetables/</a></td>
</tr>
<tr>
<td>Faculty Student Administration</td>
<td><a href="http://www.murdoch.edu.au/fsa">http://www.murdoch.edu.au/fsa</a></td>
</tr>
<tr>
<td>Guild of Students</td>
<td><a href="http://guild.murdoch.edu.au">http://guild.murdoch.edu.au</a></td>
</tr>
<tr>
<td>Murdoch International</td>
<td><a href="http://www.international.murdoch.edu.au">http://www.international.murdoch.edu.au</a></td>
</tr>
<tr>
<td>MyInfo (online enrolment)</td>
<td><a href="http://myinfo.murdoch.edu.au">http://myinfo.murdoch.edu.au</a></td>
</tr>
<tr>
<td>Parking and Transport</td>
<td><a href="http://www.murdoch.edu.au/index/students/P&amp;T">http://www.murdoch.edu.au/index/students/P&amp;T</a></td>
</tr>
<tr>
<td>Teaching timetable</td>
<td><a href="http://www.murdoch.edu.au/admin/timetables/teaching/">http://www.murdoch.edu.au/admin/timetables/teaching/</a></td>
</tr>
<tr>
<td>Unit coordinator details</td>
<td><a href="http://www.murdoch.edu.au/index/units">http://www.murdoch.edu.au/index/units</a></td>
</tr>
</tbody>
</table>