This document is not accurate for students in the Y68 Bachelor of Education (Secondary). It only applies to students in secondary double degrees. If you are in Y68, please look up Y68 in the online handbook for information about minors.

Your minor will include four General Studies units (learning about the subject, also called Content Study units) and two Curriculum units (learning how to teach the subject) as listed below – please check your study plan to see where the minor units fit into your course.

You can confirm individual unit locations, times and availability through the semester timetable on SIMO: http://apps.wcms.ecu.edu.au/semester-timetable

Note: Students enrolled in a course other than a teacher education course should refer to page 10 for information.

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Every effort has been made to ensure that the information in this booklet is correct at the time of publication. The information is subject to change and ECU reserves the right to vary courses and impose limitations on enrolment.

Last updated: 5 June 2012
Catholic Education

Location: Mount Lawley, some units available at Joondalup, Bunbury and/or off-campus (check SIMO)

Note: The Bishops of Western Australia have mandated that a teacher must be Catholic to teach Religious Education.

This minor is suitable for students (Catholic and non Catholics) to gain accreditation to teach Religious Education in Catholic schools. All teaching staff in Catholic schools are expected to support the ethos and culture of Catholic education; therefore they need an understanding of the Catholic faith and how it relates to their roles.

The minor consists of three General Studies units in Catholic Education:

CED4260 An Introduction to Catholic Education
CED4262 Catholic Studies: Prayer and Morality
CED4263 Catholic Studies: Creed and Sacraments

Plus two Curriculum units:

CED4261 Religious Education in Catholic Schools
CED4264 The Bible in Religious Education

Plus one General Studies unit from any of the other minors.

Please note that the Catholic Education unit codes have changed for 2012 – refer to the table below for the list of equivalents.

New unit codes | Old unit codes
--- | ---
CED4260 An Introduction to Catholic Education | CED1101 An Introduction to Catholic Education
CED4262 Catholic Studies: Prayer and Morality | CED4203 Religious Education for Life
CED4263 Catholic Studies: Creed and Sacraments | CED4204 Christian Formation in a Catholic School
CED4261 Religious Education in Catholic Schools | CED4202 Curriculum Principles in Religious Education
CED4264 The Bible in Religious Education | CED4205 The Bible in Religious Education

Computing Education

Location: Mount Lawley, some units available at Joondalup and/or off-campus (check SIMO)

This minor includes study in computer programming, authoring World Wide Web pages, developing digital media products, and techniques for written, oral and visual communication in educational and technical settings. The Curriculum units cover school curricula, computer applications, teaching strategies and the development and assessment of teaching programmes.

The minor consists of four General Studies units:

CSG1132 Communicating in an IT Environment
IMM1122 Publishing on the World Wide Web
IMM2123 Interactive Multimedia Authoring 1
CSP1150 Programming Principles

Plus two Curriculum units:

CSE3151 Computer Studies Curricula
CSE3152 Teaching Introductory Computer Programming
**Dance Education**

**Location:** Mount Lawley

**Note:** This minor does not have an audition, but students must have intermediate or above experience in dance.

Through lectures and practical-workshop sessions, students study four units with the WA Academy for Performing Arts (WAAPA) that focus on dance styles and technique. Students learn how to teach this content effectively and about the issues and the challenges facing dance in secondary schools.

The minor consists of four General Studies units:

- PAM1018 Dance Styles 1
- PAM2118 Dance Styles 2
- DAN1033 Allied Arts 1
- PAM2110 Jazz Dance

Plus two Curriculum units:

- DCE3101 Teaching of Secondary Dance 1
- DCE3102 Teaching of Secondary Dance 2

**Design & Technology Education**

**Location:** Mount Lawley

The Design and Technology minor provides a theoretical foundation for the study and practice of design across a variety of media and technologies. The focus of the study is on materials and systems designs within the context of contemporary technologies, such as metalwork, woodwork, Computer Assisted Machining (CAM), digital media and design. Students will explore learning processes used in the D&T classroom, develop assessment strategies, and learn maintenance and safety procedures for workshop tools and equipment.

The minor consists of four General Studies units:

- DTM1104 Materials Design and Technology 1
- DTM1105 Materials Design and Technology 2
- DTM2104 Materials Design and Technology 3
- DTM2105 Materials Design and Technology 4

Plus two Curriculum units:

- DTE2110 Design and Technology Education 1
- DTE3110 Design and Technology Education 2
**Drama Education**

**Location:** Mount Lawley

The units in this minor cover preparing for performance by drawing upon practitioners and philosophies of bodywork, strengthening physical and vocal expression, examining the role of the performer, reviewing the influences and developments in twentieth century theatre, and developing techniques for selecting and performing solo and ensemble programmes. Students will also develop skills in facilitating drama and theatre arts in the classroom, classroom strategies and management, and planning and programming.

The minor consisted of four General Studies units, which have been archived from 2012. Any you have completed count towards your minor; but are no longer available.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Archived From 2012 Onwards</th>
</tr>
</thead>
<tbody>
<tr>
<td>PER1105</td>
<td>The Performer's Instrument</td>
<td>2012</td>
</tr>
<tr>
<td>PER1106</td>
<td>Performance Skills</td>
<td>2012</td>
</tr>
<tr>
<td>PER2302</td>
<td>From Theatre to Performance</td>
<td>2012</td>
</tr>
<tr>
<td>DST1120</td>
<td>Oral Interpretation of Text</td>
<td>2012</td>
</tr>
</tbody>
</table>

Choose your remaining General Studies units from this list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DST1100</td>
<td>Drama as Discovery</td>
</tr>
<tr>
<td>DST1215</td>
<td>Introduction to Directing</td>
</tr>
<tr>
<td>DST2245</td>
<td>Writing for Theatre</td>
</tr>
<tr>
<td>DST1125</td>
<td>Interpretation of Text</td>
</tr>
</tbody>
</table>

Plus two Curriculum units:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSE3110</td>
<td>Teaching Secondary Drama</td>
</tr>
<tr>
<td>DSE3210</td>
<td>Teaching Drama Processes</td>
</tr>
</tbody>
</table>

**English Education**

**Location:** Mount Lawley

Through the two required General Studies units, students will be introduced to poetry and fiction in their historical contexts from the sixteenth to twenty-first centuries, investigate literature from diverse cultures, and develop critical thinking skills by examining the connections between literature and social change. When choosing the remaining two General Studies units, students should select units that cover media study (feature film, TV), traditional literary genres (poetry, prose, drama), language and writing, or literary theory.

The minor consists of the following two General Studies units:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG1140</td>
<td>Discovering Literature</td>
</tr>
<tr>
<td>ENG1050</td>
<td>Literature and Social Change</td>
</tr>
</tbody>
</table>

Plus two General Studies units of your choice from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG2470</td>
<td>Children, Youth and Global Media</td>
</tr>
<tr>
<td>ENG3041</td>
<td>English and the Media</td>
</tr>
<tr>
<td>ENG3042</td>
<td>Theory, Taste and Trash</td>
</tr>
<tr>
<td>ENG3050</td>
<td>Poetry and Passion</td>
</tr>
<tr>
<td>ENG3051</td>
<td>Select Literary Topics</td>
</tr>
<tr>
<td>ENG3052</td>
<td>Contemporary Realities Through Australian Fiction</td>
</tr>
<tr>
<td>ENG3053</td>
<td>The “Bloody Australian” on Stage</td>
</tr>
<tr>
<td>ENG3054</td>
<td>The Empire Talks Back: Postcolonial Voices</td>
</tr>
<tr>
<td>ENG3140</td>
<td>From Fiction to Film</td>
</tr>
<tr>
<td>ENG3141</td>
<td>Comedy and Tragedy in Film and Drama</td>
</tr>
<tr>
<td>ENG3165</td>
<td>Australian Fiction</td>
</tr>
<tr>
<td>ENG3464</td>
<td>Fantasy Literature for Children</td>
</tr>
</tbody>
</table>
ENG3472 Children and Poetry
WRT3212 Community Writing
WRT3213 Creative Writing

Plus two Curriculum units:
LAN3250 Introduction to Secondary English Teaching
LAN3251 Planning and Teaching English 7-10

Health Education

Location: Joondalup

Through lectures and workshop sessions, students examine the influences that shape personal health and wellbeing, analyse the factors related to comprehensive school health promotion, and investigate sociocultural constructions of physical activity, the body, culture and identity in contemporary society. Students also learn how to teach this content effectively and about the issues and challenges facing health education in schools.

The minor consists of four General Studies units chosen from:
HST1121 Personal Health
HPE2112 Physical Activity, Body, Culture and Identity
HST2222 School Health
HPE3212 Challenge, Risk and Leadership in Adventure Education

Plus two Curriculum units:
HPE3101 Teaching Secondary Health Education
HPE3201 Planning, Teaching and Assessment in Health Education

Home Economics Education

Location: Joondalup

Note: This minor is not available to students who commenced their double-degree after 2010.

Students who minor in Home Economics can teach food, textile and child care courses in lower secondary schools. Through this minor, students will learn about food handling safety, food preparation and recipe costing, nutrient digestion and absorption, the characteristics of yarns and fabric, basic clothing construction, and the development of children between birth and four years. Students learn how to plan and prepare topics and lessons and how to assess school students' progress.

The minor consists of four General Studies units chosen from:
HOS2105 Introduction to Commercial Food Service Management: Theory
HOS2106 Introduction to Commercial Food Service Management: Practice
CSC1175 Textiles and Clothing 1
NUT1121 Human Nutrition

Plus two Curriculum units:
HEE2312 Home Economics Curriculum 1
HEE2313 Home Economics Curriculum 2
**Mathematics Education**

**Location:** Joondalup

**Note:** Students must have passed either WACE General Mathematics 3A/3B or 3C/3C to do this minor.

Content covered in this minor includes statistics, such as organising numerical data estimation and hypothesis testing; problem solving and analysis; mathematical modelling using differential and integral calculus and analytic geometry; and linear algebra, including matrices and matrix arithmetic. Students will be able to plan a variety of mathematics lessons, assessments and activities, with a pedagogical focus on developing an appreciation of mathematics as a useful and creatively interesting area of study.

The minor consists of four General Studies units:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT1114</td>
<td>Introductory Statistics</td>
</tr>
<tr>
<td>MAT1184</td>
<td>Problem Solving and Modelling</td>
</tr>
<tr>
<td>MAT1137</td>
<td>Introductory Applied Mathematics</td>
</tr>
<tr>
<td>MAT1163</td>
<td>Linear Algebra</td>
</tr>
</tbody>
</table>

WACE General Mathematics 3A/3B students may in some circumstances substitute one of the above General Studies units with the following if approved by the Mathematics coordinator:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT1108</td>
<td>Foundations of Mathematics</td>
</tr>
</tbody>
</table>

Plus two Curriculum units:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSE3103</td>
<td>Teaching Lower Secondary Mathematics</td>
</tr>
<tr>
<td>MSE3203</td>
<td>Planning and Assessment in Secondary Mathematics</td>
</tr>
</tbody>
</table>

**Music Education**

**Location:** Mount Lawley

This minor is offered in conjunction with the Western Australian Academy of Performing Art (WAAPA) and is designed to equip students with the skills to teach both classroom and instrumental music. Students engage in studies across a variety of musical genres with emphasis upon developing effective skills for teaching in all styles and effective ensemble direction.

The minor consists of the following three General Studies units:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS1123</td>
<td>Music History &amp; Culture: Contemporary Overview</td>
</tr>
<tr>
<td>MUS1111</td>
<td>Music History &amp; Culture: Classical Overview</td>
</tr>
<tr>
<td>MUS1110</td>
<td>Music History &amp; Culture: Jazz Overview</td>
</tr>
</tbody>
</table>

Plus one General Studies unit of your choice from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTQ1110</td>
<td>Desktop Music Production</td>
</tr>
<tr>
<td>MUE1010</td>
<td>Foundations of Music Education (2012 is the last year this will be offered)</td>
</tr>
</tbody>
</table>

Plus two Curriculum units:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUE2120</td>
<td>Teaching Music in Secondary School</td>
</tr>
<tr>
<td>MUE2121</td>
<td>Directing Music Ensembles in Secondary School</td>
</tr>
</tbody>
</table>
Music (Instrumental) Education

Location: Mount Lawley

Note: This minor is only available to students studying the Music major.

The Instrumental Music minor is designed for students who wish to teach music to individual students (not in class or group settings). Students can choose their General Studies units from relevant units offered by WAAPA, and they have the opportunity to learn about teaching music in a primary or pre-primary setting.

The minor consists of four General Studies units chosen from:

- MTQ1110 Desktop Music Production
- MTQ1118 Digital Audio and Sampling Techniques
- MUS1123 Music History & Culture: Contemporary Overview
- MUS2110 Music History & Culture: Jazz Topic 1
- MUS2111 Music History & Culture: Classical Topic 1
- MUS3206 Music Techniques: Jazz 3
- MUS3207 Music Techniques: Classical 3
- MUE2110 Arts Literacy Through Music Education (Early Childhood Education)
- MUE1010 Foundations of Music Education (2012 is the last year this will be offered)

Plus two Curriculum units:

- MUE3105 Teaching Instrumental Music
- MUE4105 Directing School Music Ensembles

Outdoor Education

Location: Joondalup

Note: This minor is only available to students studying the Health and Physical Education major.

Students will cover a range of outdoor pursuits, such as campcraft, canoeing, orienteering and navigation, safety, first aid and the cultural significance of outdoor activities in the natural environment. The impacts on leisure behaviour and lifestyle choices are examined, along with human development, diversity and inclusiveness. The minor includes industry practice in one unit, and involves an after hours commitment for a second unit, where students will interact with youth in a range of adventure settings. Through the Curriculum units, students will understand the principles of teaching and learning in outdoor education and about the policy and regulation relevant to outdoor education settings.

The minor consists of the following three General Studies units:

- OED1100 Outdoor Pursuits
- OED1200 Outdoor Education Applications
- HPE3212 Challenge, Risk and Leadership in Adventure Education

Plus one General Studies unit of your choice from:

- LSC2003 Leisure and Lifestyle (not recommended for 2012)
- LSC1001 Introduction to Leisure (if you are a third year student in 2012, this unit is recommended because it will not conflict with your professional practice)

Plus two Curriculum units:

- OED3100 Introduction to Teaching Outdoor Education
- OED3200 Teaching Outdoor Education Studies in Senior Schooling
## Physical Education

**Location:** Joondalup

The Physical Education minor focuses on a maximising health through lifestyle education and skills to address such factors as physical activity, nutrition, chronic disease risk, and weight control. The role of physical activity is emphasised through performance-based modules on aquatics, athletics, basketball, hockey and football. Students will learn outdoor and adventure education leadership, safety and risk management skills, and explore the principles of physical education teaching, learning and assessment.

The minor consists of four General Studies units:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPS2111</td>
<td>Performance Studies 6 <em>(Swimming/Athletics)</em></td>
</tr>
<tr>
<td>SPS2120</td>
<td>Physical Activity and Chronic Disease</td>
</tr>
<tr>
<td>SPS3104</td>
<td>Performance Studies 7 <em>(Hockey/Basketball/Netball)</em></td>
</tr>
<tr>
<td>HPE3212</td>
<td>Challenge, Risk and Leadership in Adventure Education</td>
</tr>
</tbody>
</table>

Plus two Curriculum units:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPE2101</td>
<td>Teaching Health and Physical Education 1</td>
</tr>
<tr>
<td>HPE2201</td>
<td>Teaching Health and Physical Education 2</td>
</tr>
</tbody>
</table>

## Science Education

**Location:** Joondalup

Students will investigate a range of science topics, such as the structure and anatomy of living organisms, and their physiology, life cycles and behaviour; the origin of life, cell structure and biochemistry to genetics, taxonomy and evolution; physics principles as applied to motion, sound, heat, light, radioactivity and electricity; and chemical concepts and principles. The Curriculum units' content includes creating lesson plans, evaluating and rehearsing teaching strategies, safe handling of laboratory equipment and exploring the nature of scientific inquiry.

The minor consists of the following three General Studies units:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCI1187</td>
<td>Form and Function in Biology</td>
</tr>
<tr>
<td>SCI1183</td>
<td>Origins and Evolution of Life</td>
</tr>
<tr>
<td>SCC1123</td>
<td>Chemistry for the Life Sciences</td>
</tr>
</tbody>
</table>

Plus one of the following two General Studies units:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCP1132</td>
<td>Introduction to Physics</td>
</tr>
<tr>
<td>SCP1134</td>
<td>Foundations of Physics</td>
</tr>
</tbody>
</table>

Plus two Curriculum units:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE3101</td>
<td>Lower Secondary Science Education</td>
</tr>
<tr>
<td>SCE3102</td>
<td>Lower Secondary Science Education 2</td>
</tr>
</tbody>
</table>
Social Science Education

**Location:** Mount Lawley (Economics units are also available at Joondalup and off-campus)

The Social Science minor prepares students for lower secondary teaching in the Society & Environment learning area, which includes history, political and legal studies, geography, and economics. It is recommended that students choose General Studies units that will enable them to teach in topics and explore issues from these disciplines. The Curriculum units focus on short and long term planning, using information technologies to enhance teaching and learning, investigative learning and developing assessment strategies to monitor learning.

The minor consists of one General Studies unit from:

- **HIS1106** Themes in Australian History
- **HIS1105** World History

Plus one General Studies unit from:

- **GEO1104** Introduction to Geography: Environment, Space, Place
- **GEO1105** Contemporary Landuse Issues: Landscapes, Communities and Sustainability

Plus two General Studies units from:

- **ECF1110** Economics I
- **ECF2210** Capital Markets II
- **ECF2211** National Economy II
- **GEO3150** Geography of Environmental Change: A Planet Transformed
- **HIS3103** Drugs, Alcohol and Empire
- **HIS3101** Human Rights: Struggles for Global Justice
- **POL1103** Modern Political Thought
- **POL1104** Foundations of Politics and Government
- **POL3124** Hitler and Stalin: Studies in Power, Ideology and Propaganda
- **POL3127** Australian Government
- **POL3130** Themes in Global Politics

Plus two Curriculum units:

- **SSE3110** Planning and Teaching Lower Secondary Society & Environment
- **SSE3213** Assessment and Learning in Lower Secondary Society & Environment
Visual Arts Education

Location: Mount Lawley

The Visual Arts minor will introduce students to working with oil, acrylic and non-conventional painting media; printmaking through etching, collagraph, monoprinting, drypoint, and relief processes; mould making and casting, welding and soft sculpture; and ceramics fabrication techniques and decorative processes. Units also examine the relationships between art forms, explore art history, and build conceptual skills through studio exercises and set projects. The Curriculum units investigate materials and processes used in school art programmes, teaching styles and methodologies, and the changing face of visual arts education in Australia.

The units offered in this minor have changed for 2012.

The minor consists of the following three General Studies units:

- VIS2509 Painting (archived from 2012 onwards)
- VIS2505 Printmaking (archived from 2012 onwards)
- AED1110 Introduction to Ceramics

Plus one General Studies unit chosen from:

- VIS2512 Textiles (archived from 2012 onwards)
- VIS2507 Sculpture (archived from 2012 onwards)

If you have not completed VIS2509, you can do the following unit instead. You may need assistance from the Student Information Office to enrol:

- VIS2519 Painting: Old Country, New Visions

If you have not completed VIS2505, you can do the following unit instead. You may need assistance from the Student Information Office to enrol:

- VIS2525 Printmaking: Mapping Self and World

If you have not completed VIS2512 or VIS2507, you can do one of the following units instead. Please contact the Student Information Office for assistance with enrolling.

- FAS1103 Inquiry for Textiles
- VIS3531 Sculpture: Art and Environment
- TDD3210 Glass Design
- VIS1303 Introduction to Drawing

Plus two Curriculum units:

- AED2203 Art Education Foundations
- AED2303 Lower Secondary Art Education (Years 7-9)

Students who are not enrolled in a teaching course

Students enrolled in a course other than a teacher education course may elect to complete an education minor provided they have approval from their Course Coordinator that such a minor will fulfill the requirements of their course.

In this case the student would select an education minor from those listed in this document, and would complete four General Studies units (learning about the subject) and two Curriculum units (learning how to teach the subject).

It should be noted that for students not enrolled in a teacher education course, completion of an education minor would not provide a qualification to teach.

Students seeking more information on the completion of an education minor should contact the School of Education Student Information Office by emailing educationandarts@ecu.edu.au or call 134 ECU (328).