

**STUDY PLAN GUIDE**  
**BACHELOR OF AGRICULTURE AND TECHNOLOGY**  
**(Course code: HEPIBAT) v2**  
**VITICULTURE AND WINEMAKING MAJOR**

The below guide is for a full time load of study. Please contact your course advisor if you need assistance with subject selection.

|               |                   | COMPULSORY ONLINE MODULE (must be completed in your first semester of study) |   |   |   |
|---------------|-------------------|--|---|---|---|
|               |                   | Academic Integrity Module  |   |   |   |
| <b>YEAR 1</b> | <b>Semester 1</b> | <b>BES109 (Core)</b>   | <b>BAT101 (Core)</b>  | <b>AGR100 (Major core)</b>  | <b>Elective</b>   |
|               |                   | Living Systems 1   | Agricultural Systems and Technology   | Winemaking 1  | Choose one elective subject from the recommended 1 <sup>st</sup> , 2 <sup>nd</sup> or 3 <sup>rd</sup> year level subject options. Refer to page 2. Recommend: <b>Agronomy 1</b> , Or <b>TER102 Language and Logic OR Irrigation Design</b>  |
|               | <b>Semester 2</b> | <b>BES110 (Core)</b>   | <b>Elective</b>   | <b>Elective</b>   | <b>AGR101 (Major core)</b>  |
|               |                   | Living Systems 2<br>Pre-requisite: BES109                                    | Choose one elective subject from the recommended 1 <sup>st</sup> , 2 <sup>nd</sup> or 3 <sup>rd</sup> year level subject options. Refer to page 2. Recommend: <b>BVW213 Rural Business Management</b> or <b>Aquaponics (2023)</b> | Choose one elective subject from the recommended 1 <sup>st</sup> , 2 <sup>nd</sup> or 3 <sup>rd</sup> year level subject options. Refer to page 2. Recommend: <b>BAT102 Food Production in a Changing World</b> or <b>Aquaponics (2023)</b>   | Vineyard Management   |
| <b>YEAR 2</b> | <b>Semester 1</b> | <b>BAT204 (Core)</b>   | <b>BVW203 (Major core)</b>  | <b>Elective</b>   | <b>Elective</b>   |
|               |                   | Ecological Systems   | Wine Chemistry 1<br>Prerequisite: BES110  | Choose one elective subject from the recommended 1 <sup>st</sup> , 2 <sup>nd</sup> or 3 <sup>rd</sup> year level subject options. Refer to page 2. Recommend: <b>Agronomy 1</b> , <b>Applied Genomics</b> , <b>Animal Management and Nutrition (Winter)</b> , <b>Wine Evaluation 1 (Winter)</b> – note this is a Major core subject), <b>Irrigation Design</b> or <b>Industry Placement</b> | Choose one elective subject from the recommended 1 <sup>st</sup> , 2 <sup>nd</sup> or 3 <sup>rd</sup> year level subject options. Refer to page 2. Recommend: <b>Agronomy 1</b> , <b>Applied Genomics</b> , <b>Animal Management and Nutrition (Winter)</b> , <b>Wine Evaluation 1 (Winter)</b> – note this is a Major core subject), <b>Irrigation Design</b> , or <b>Industry Placement</b> |
|               | <b>Semester 2</b> | <b>AEM201 (Core)</b>   | <b>BVW214 (MAJOR Core)</b>  | <b>AGR201 (Major core)</b>  | <b>Elective</b>   |
|               |                   | Statistics and Experimental Design   | Plant Physiology<br>Recommended pre-req: BES110   | Wine Evaluation 1 (Winter Semester)   | Choose one elective subject from the recommended 1 <sup>st</sup> , 2 <sup>nd</sup> or 3 <sup>rd</sup> year level subject options. Refer to page 2. Recommend: <b>Animal Management and Nutrition (Winter)</b> , <b>Vine Physiology and Grape Production</b> or <b>Plant Pests and Pathogens</b>   |
| <b>YEAR 3</b> | <b>Semester 1</b> | <b>BAT304 (Core)</b>   | <b>AGR300 (Core)</b>  | <b>BVW318/AGR303 (Major)</b>  | <b>Elective</b>   |
|               |                   | Applied Research Project 1<br>Pre-requisite: AEM201                          | Digital Technologies in Agriculture   | Wine Marketing/Marketing of Rural Products and Services   | Choose one elective subject from the recommended 3 <sup>rd</sup> year level subject options. Recommended: <b>AGR3WMB</b> or <b>AGR3RAH (Summer)</b> or <b>BAT308 Environmental Management</b>   |
|               | <b>Semester 2</b> | <b>BAT305 (Core)</b>   | <b>BVW305/AGR304 (Major)</b>  | <b>BVW207/AGR305 (Major)</b>  | <b>Elective</b>   |
|               |                   | Applied Research Project 2<br>Pre-requisite: BAT304                          | Viticulture Engineering/Vineyard and Winery Engineering   | International Wine Styles   | Choose one elective subject from the recommended 3 <sup>rd</sup> year level subject options. Recommended: <b>The Australian Wine Industry</b> , or <b>Wine Chemistry 2</b> , or <b>Winemaking 2</b> , or <b>Advanced Industry Placement</b>   |

|       |   |
|-------|---|
| GREY  | Core subject - is a required subject within your course   |
| GREEN | Major core subject – Viticulture and Winemaking   |
| BLUE  | Free elective - you can choose any subject at the year level indicated from any major (subject to meeting the prerequisites). Refer to elective subjects on page 2. |

**ELECTIVE SUBJECT OPTIONS**  
(HEPIBAT - EPPING)  
VITICULTURE AND WINEMAKING (MAJOR)

| ELECTIVE SUBJECT OPTIONS |                       |  |
|--------------------------|-----------------------|--|
| <b>YEAR<br/>1</b>        | <b>Semester<br/>1</b> | <b>ALM110 Agronomy 1</b><br>AGR1TM1 Turf Management 1 (may not be offered. Refer Course Coordinator)<br><b>TER102 Language and Logic</b>   |
|                          | <b>Semester<br/>2</b> | BVW213 Rural Business Management<br>AGR1TM2 Turf Management 2 (may not be offered. Refer Course Coordinator)<br>BAT102 Food Production in a Changing World<br><b>AEM207 Aquaponics (commencing 2023)</b>   |
|                          | <b>Summer</b>         | ALM211 Animal Anatomy and Physiology   |
| <b>YEAR<br/>2</b>        | <b>Semester<br/>1</b> | <b>BAT202 Applied Genomics and Plant Breeding (pre-requisite BES110)</b><br>AEM306 Industry Placement<br><b>AGR202 Irrigation Design</b>   |
|                          | <b>Semester<br/>2</b> | <b>AGR200 Plant Pests and Pathogens</b><br><b>BVW211 Vine Physiology and Grape Production (runs every odd year)</b>  |
|                          | <b>Winter</b>         | ALM212 Animal Management and Nutrition   |
| <b>YEAR<br/>3</b>        | <b>Semester<br/>1</b> | ALM309 Agricultural Marketing and Commodity Trading<br><b>AGR309 Wine Microbiology and Biochemistry (runs every even year)</b><br><b>BAT308 Environmental Management</b>   |
|                          | <b>Semester<br/>2</b> | AGR301 Agronomy 2 (pre-requisite ALM110)<br>AGR302 Integrated Production Management<br>AGR3TCD Turf Construction and Drainage (pre-requisite AGR1TM2)<br>AGR3TGS Turfgrasses for Sport (pre-requisite AGR1TM2)<br><b>BVW303 The Australian Wine Industry and its Wines (runs every odd year) (pre-req Wine Evaluation 1)</b><br><b>BVW306 Wine Chemistry 2 (runs every even year) (pre-req Wine Chemistry 1)</b><br><b>AGR310 Winemaking 2 (runs every even year) (pre-req Winemaking 1)</b><br><b>BVW207 International Wine Styles (pre-req Wine Evaluation 1)</b><br><b>AGR308 Advanced Industry Placement</b> |
|                          | <b>Summer</b>         | AEM305 Restoration of Aquatic Habitat  |

Suggested electives for Viticulture and Winemaking Major students are shown in **bold** font.

**PLEASE NOTE:** Some subjects may not be offered each year.

Part-time students or those selecting subjects off plan should ensure they discuss with the Course Coordinator Dr Sylvana Iacuone.

Email [sylvanaiacuone@melbournepolytechnic.edu.au](mailto:sylvanaiacuone@melbournepolytechnic.edu.au)