University of
South Australia

Professional Practice Program

Jo Slade
Manager, Industry Experience

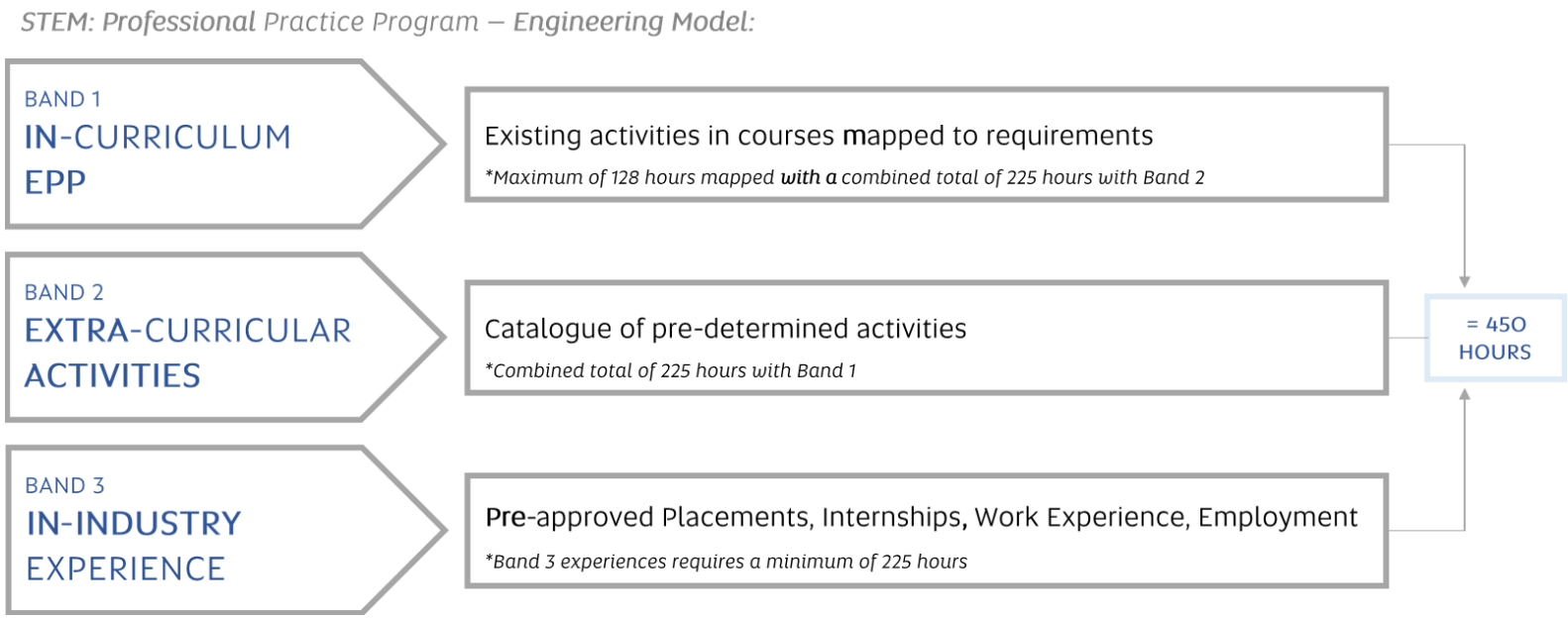
About the Professional Practice Program (PPP)

UniSA's Engineering Programs are accredited by Engineers Australia and recognised globally under the Washington Accord. Engineering students are required to attain and demonstrate Stage 1 Competencies

All Engineering students need to complete a minimum of 450 hours (60 days/12 weeks FTE) of professional practice during their studies to be eligible to graduate.

The **PPP** helps you meet your requirement in a structured way that allows you to start accumulating hours from your first year at university.

The Professional Practice Program



PPP information for Engineering: [Web link: https://lo.unisa.edu.au/course/view.php?id=19895](https://lo.unisa.edu.au/course/view.php?id=19895)

In-Curriculum (Band 1) - Engineering

Successful completion of courses provides PPP hours

Course	Code	PPP hours
Sustainable Engineering Practice	ENGG 1003	63
Engineering Design & Innovation	ENGG 1004	12
Project Management for Engineers	ENGG 2004	35
Design Management for Engineers	ENGG 3006	12
Capstone Experience A	ENGG 4007	17
	TOTAL	**139**

Extra-Curricular (Band 2)

Extra curricular activities have been pre-determined to ensure that you have a variety of approved opportunities each year.

The catalogue of activities relevant to your discipline can be accessed from the PPP section on your program pages.

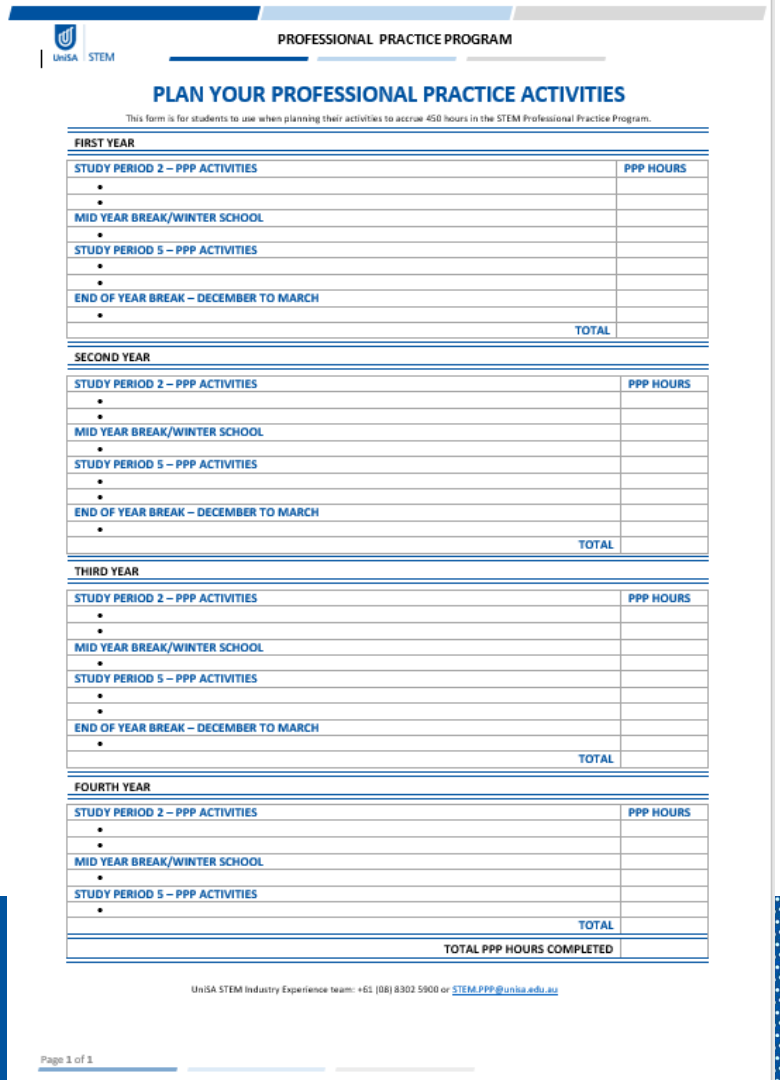
In-Industry Experience (Band 3)

All students are required to complete between 225-450 hours of professional practice in-industry (Band 3) to complete your PPP requirement.

You can do this by completing an internship or placement in a relevant industry environment in Australia or your home country.

Pre-approval for in-industry experience is essential before commencing your opportunity. Please refer to important Band 3 information https://lo.unisa.edu.au/mod/page/view.php?id=1998362

Planning your Professional Practice Activities



PROFESSIONAL PRACTICE PROGRAM

UniSA | STEM

PLAN YOUR PROFESSIONAL PRACTICE ACTIVITIES

This form is for students to use when planning their activities to accrue 450 hours in the STEM Professional Practice Program.

FIRST YEAR

STUDY PERIOD 2 – PPP ACTIVITIES	PPP HOURS
•	
•	
MID YEAR BREAK/WINTER SCHOOL	
•	
STUDY PERIOD 5 – PPP ACTIVITIES	
•	
•	
END OF YEAR BREAK – DECEMBER TO MARCH	
•	
TOTAL	

SECOND YEAR

STUDY PERIOD 2 – PPP ACTIVITIES	PPP HOURS
•	
•	
MID YEAR BREAK/WINTER SCHOOL	
•	
STUDY PERIOD 5 – PPP ACTIVITIES	
•	
•	
END OF YEAR BREAK – DECEMBER TO MARCH	
•	
TOTAL	

THIRD YEAR

STUDY PERIOD 2 – PPP ACTIVITIES	PPP HOURS
•	
•	
MID YEAR BREAK/WINTER SCHOOL	
•	
STUDY PERIOD 5 – PPP ACTIVITIES	
•	
•	
END OF YEAR BREAK – DECEMBER TO MARCH	
•	
TOTAL	

FOURTH YEAR

STUDY PERIOD 2 – PPP ACTIVITIES	PPP HOURS
•	
•	
MID YEAR BREAK/WINTER SCHOOL	
•	
STUDY PERIOD 5 – PPP ACTIVITIES	
•	
TOTAL	
TOTAL PPP HOURS COMPLETED	

UniSA STEM Industry Experience team: +61 (08) 8302 5900 or STEM.PPP@unisa.edu.au

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EA Stage 1 Competencies

KNOWLEDGE AND SKILL BASE	ENGINEERING APPLICATION ABILITY	PROFESSIONAL AND PERSONAL ATTRIBUTES
1.1. Comprehensive, theory-based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline.	2.1. Application of established engineering methods to complex engineering problem solving.	3.1. Ethical conduct and professional accountability.
1.2. Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline.	2.2. Fluent application of engineering techniques, tools and resources.	3.2. Effective oral and written communication in professional and lay domains.
1.3. In-depth understanding of specialist bodies of knowledge within the engineering discipline.	2.3. Application of systematic engineering synthesis and design processes.	3.3. Creative, innovative and pro-active demeanour.
1.4. Discernment of knowledge development and research directions within the engineering discipline.	2.4. Application of systematic approaches to the conduct and management of engineering projects.	3.4. Professional use and management of information.
1.5. Knowledge of engineering design practice and contextual factors impacting the engineering discipline.	For more information visit the EA website	3.5. Orderly management of self, and professional conduct.
1.6. Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline.		3.6. Effective team membership and team leadership.

COMPETENCY DEVELOPMENT RECORD – ENGINEERING AUSTRALIA STAGE 1 COMPETENCIES

Use this document to record all approved Professional Practice Program activities and the competencies you have developed as a result of your participation.
This record will allow you to track your progress, ensure all competencies have been attained, identify which competencies are areas of strength and which ones need more development. This document will also support you with career planning, job applications and interview preparation. This record can be attached to your final reflective report as an appendix.

Hover over the numbered competencies to see the general heading. A full list of indicators of attainment for each element of competency can be found here: EA Stage 1 Competencies

DATE	ORGANISATION	EXPERIENCE	DETAIL	DURATION HRS	REFLECTION IN MAHARA	NOTES	STAGE 1 COMPETENCIES															
							Knowledge & Skill Base						Engineering Application Ability				Professional & Personal Attributes					
							1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	3.5	3.6
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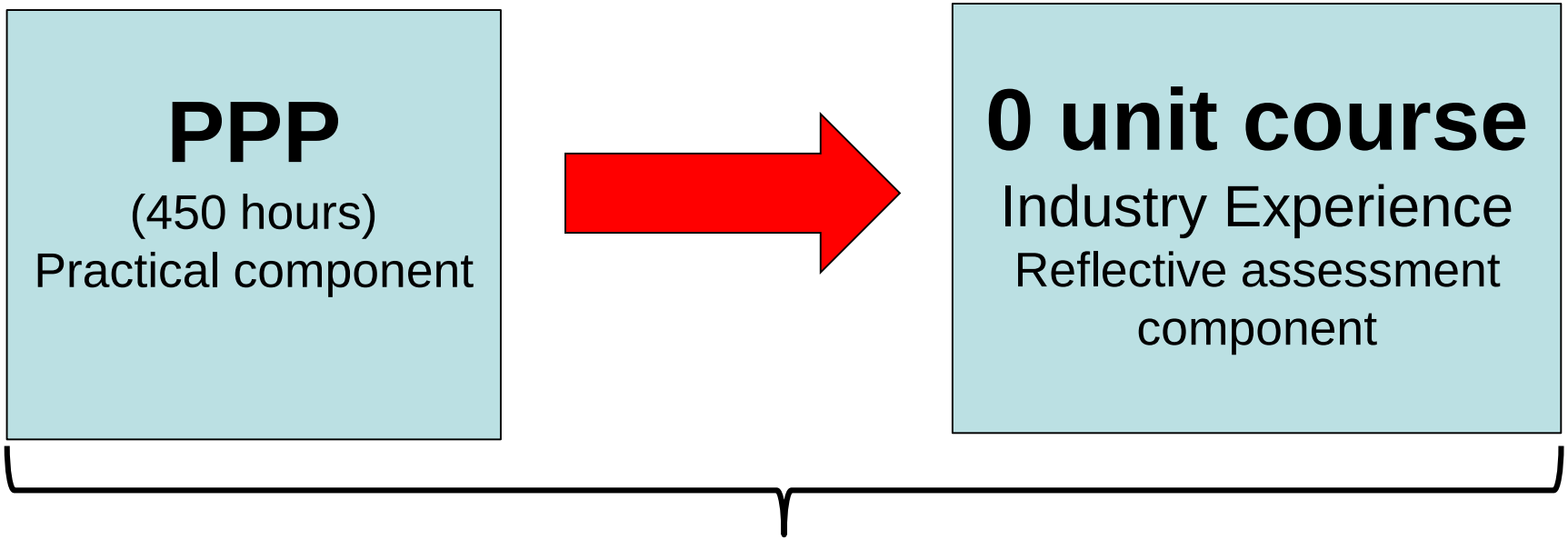
The Professional Practice Program



PPP support – the IE team

- If you require support or assistance please contact the UniSA STEM Industry Experience Team via email or phone (08) 8302 5900
- Check the PPP information found on your program pages
- Read the STEM PPP emails

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Any questions?