DIPLOMA IN AEROTROPOLIS INDUSTRY 4.0 (MECHATRONICS SKILLS) (7178)

Approved Abbreviation: DipAeroInd4.0(Mechat
Western Sydney University Program Code: 7178
AQF Level: 5

This is an exit only program from Diploma in Aerotropolis Industry 4.0 (Mechatronics Skills)/Bachelor of Engineering Science (https://hbook.westernsydney.edu.au/archives/2022-2023/programs/diploma-aerotropolis-industry-40-mechatronics-skills/)

This program is delivered by Western Sydney University, The College as an agent of Western Sydney University.

The fourth industrial revolution, also known as Industry 4.0, is affecting almost every industry worldwide and rapidly transforming how businesses operate. The Diploma in Aerotropolis Industry 4.0 (Mechatronics Skills) is designed to equip students with the relevant employability skills required to successfully navigate Aerotropolis Industry 4.0, in addition to equipping students with the skills, knowledge, and attributes required for further studies in Engineering. The Diploma presents students with subjects from the first year of the Bachelor of Engineering Science degree and the Bachelor of Engineering (Honours). The Diploma is designed to develop student's ability to work autonomously, work within teams, problem solve real-world issues within their field, as well as offering a cultural induction in to the Aerotropolis Industry.

For more information on Western Sydney University, The College, please refer to their web site.

Western Sydney University, The College (https://www.westernsydney.edu.au/future/study/application-pathways/the-college/)

Study Mode

One year full-time (three terms).

Program Advice

College Admin (https://directory.westernsydney.edu.au/search/email/%20AdminApp@westernsydney.edu.au)

Prospective students should visit the following websites for general enquiries about this program.

Enquire about this program (https://enquiry.westernsydney.edu.au/courseenquiry/)| Local Admission (https://www.westernsydney.edu.au/future/) | International Admission (https://www.westernsydney.edu.au/international/home/apply/admissions/) |

Location

Campus	Attendance	Mode	Advice
Online	Full Time	Online	See above

Inherent Requirements

The Inherent requirements will be the same as for the current Bachelor of Engineering Science and Bachelor of Engineering (Honours).

Inherent Requirements (https://www.westernsydney.edu.au/ir/inherent_requirements/inherent_requirements_for_engineering_courses/)

Admission

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Completion of Year 12 with specified ATAR to be determined year by year, or completed Certificate III or higher, or equivalent work experience.

Equivalent experience includes:

- Minimum of 1-year full-time equivalent Trade work experience; or
- 2 years full time equivalent Professional work experience; or
- 5 years General work experience.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Assumed Knowledge: Two subjects of Science and two subjects of Mathematics (not General Mathematics).

For more information on applying please see link to The College admission pages below

https://www.westernsydney.edu.au/thecollege/how_to_apply (https://www.westernsydney.edu.au/thecollege/how_to_apply/)

Recommend Sequence

Qualification for this award requires the successful completion of 80 credit points which include the subjects listed in the recommended sequence below.

Subject	Title	Credit Points
Block D		
MATH 1036	Mathematics for Engineers Preliminary (UG Cert)	10
ENGR 1048	Engineering Materials (UG Cert)	10
Block E		
ENGR 1051	Engineering Physics (Block)	10
Block F		
ELEC 1012	Electrical Fundamentals (Block)	10
ENGR 1052	Fundamentals of Mechanics (Block)	10
Block B		
ENGR 1049	Introduction to Engineering Practice (Block)	10
Block C		
ELEC 1011	Engineering Computing (Block)	10
Total Credit Points		**70**