

Master of Engineering (Mechatronic) – Semester 2 Start

| Year 1 | | | | |
|--------|--|--|--|---|
| S2 | MECH ENG 7072 Microcontroller Programming <input type="checkbox"/> | MECH ENG 7047 Dynamics & Control II <input type="checkbox"/> | ELEC ENG 7057 Engineering Communication & Critical Thinking <input type="checkbox"/> | MATHS 7025 Research Methods and Statistics <input type="checkbox"/> |
| Year 2 | | | | |
| S1 | MECH ENG 7070 Heat Transfer & Thermodynamics <input type="checkbox"/> | MECH ENG 7071 Mechatronics II <input type="checkbox"/> | *Mechatronic Engineering Elective (see elective table) <input type="checkbox"/> | PROJMGNT 5021 Project Management Fundamentals <input type="checkbox"/> |
| S2 | MECH ENG 7041A Masters Project Part 1 (6 units) <input type="checkbox"/> | | ELEC ENG 7164 Business Management Systems <input type="checkbox"/> | *Mechatronic Engineering Elective (see elective table) <input type="checkbox"/> |
| Year 3 | | | | |
| S1 | MECH ENG 7041B Masters Project Part 2 (6 units) <input type="checkbox"/> | | *Mechatronic Engineering Elective (see elective table) <input type="checkbox"/> | *Mechatronic Engineering Elective (see elective table) <input type="checkbox"/> |

Core Courses

Foundation Courses

*Students must choose at least two electives denoted with an asterisk. Advanced standing does not count towards the two course minimum requirement.

For a complete list of courses that constitute the program, including majors, please refer to the academic program rules website: <https://calendar.adelaide.edu.au/faculty/ecms>

Further Information and Enrolment Advice

Faculty of Engineering, Computer and Mathematical Sciences

Email: askecms@adelaide.edu.au

www.ecms.adelaide.edu.au

Elective Table

CHOOSE FROM THE FOLLOWING MECHATRONIC ENGINEERING ELECTIVES

| | | | | |
|------------|---|--|---|---|
| SEMESTER 1 | *MECH ENG 7028 Advanced PID Control <input type="checkbox"/> | *MECH ENG 7024 Robotics M <input type="checkbox"/> | MECH ENG 7020 Materials Selection & Failure Analysis <input type="checkbox"/> | *ELEC ENG 7060 Image Sensors & Processing <input type="checkbox"/> |
| | *ELEC ENG 7015 Adaptive Signal Processing <input type="checkbox"/> | MECH ENG 7030 Advanced Vibrations <input type="checkbox"/> | | |
| SEMESTER 2 | *MECH ENG 7034 Advanced Digital Control <input type="checkbox"/> | MECH ENG 7029 Airconditioning <input type="checkbox"/> | *ELEC ENG 7049 Power Electronic Systems <input type="checkbox"/> | ELEC ENG 7033 Principles of RF Engineering <input type="checkbox"/> |
| | *ELEC ENG 7075 Distributed Generation Technologies <input type="checkbox"/> | | | |
| SUMMER | MECH ENG 7027 Engineering Acoustics <input type="checkbox"/> | | | |

NOTES

***Electives:** Students must choose at least two electives denoted with an asterisk. Advanced standing does not count towards the two course minimum requirement

Program Rules: For academic program rules please refer to the following website:

<https://calendar.adelaide.edu.au/faculty/ecms>

Information and Enrolment Advice:

Ask ECMS

Email: askecms@adelaide.edu.au

Website: <https://ecms.adelaide.edu.au/study-with-us/student-support>