



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

Mechanical Engineering

Master of Engineering



Recommended Study Plan

This study plan is a guide only for students commencing the Master of Engineering in Mechanical Engineering in 2021. Please note that all course selections must adhere to the program course list outlined at [UQ Courses and Programs](#). If you have any questions or concerns regarding your course selections, please speak with an [Academic Advisor](#) in the School of Mechanical and Mining Engineering.

Semester 1 Commencement

SEM		YEAR 1		
Sem 1 Feb	MECH3300 Finite Element Method & Fracture Mechanics	Energy Elective	METR4201 Control Engineering 1	ENGG7901 Prof. Engineering & the Business Environment: Global Practice
Sem 2 July	MECH3100 Mechanical Systems Design	AERO4300 Aerospace Composites	Fluids Elective	ENGG7902 Engineering Innovation & Leadership
SEM		YEAR 2		
Sem 1 Feb	ENGG7381 Engineering Project 8A		Advanced Elective	Advanced Elective
Sem 2 July			Advanced Elective	Advanced Elective

Energy Electives

MECH3400 Thermodynamics & Heat Transfer
AERO4450 Aerospace Propulsion
ENGY4000 Energy Systems

Fluids Electives

MECH3410 Fluid Mechanics
MECH6480 Computational Fluid Dynamics

Advanced Electives

ENGG7302 Advanced Computational Techniques in Engineering
ENGY7210 Frontiers in Renewable Techniques in Engineering
MATE7013 Advanced Manufacturing
MATE7015 Additive Manufacturing
MECH7101 Design of Experiments
METR6203 Control Engineering 2

Semester 2 Commencement

SEM		YEAR 1		
Sem 2 July	MECH3100 Mechanical Systems Design & Communication	AERO4300 Aerospace Composites	Fluids Elective	ENGG7902 Engineering Innovation & Leadership
Sem 1 Feb	MECH3300 Finite Element Method & Fracture Mechanic	Energy Elective	METR4201 Control Engineering 1	ENGG7901 Prof. Engineering & the Business Environment: Global Practice
SEM		YEAR 2		
Sem 2 July	ENGG7382 Engineering Project 8A		Advanced Elective	Advanced Elective
Sem 1 Feb			Advanced Elective	Advanced Elective

Energy Electives

MECH3400 Thermodynamics & Heat Transfer
AERO4450 Aerospace Propulsion
ENGY4000 Energy Systems

Fluids Electives

MECH3410 Fluid Mechanics
MECH6480 Computational Fluid Dynamics

Advanced Electives

ENGG7302 Advanced Computational Techniques in Engineering
ENGY7210 Frontiers in Renewable Techniques in Engineering
MATE7013 Advanced Manufacturing
MATE7015 Additive Manufacturing
MECH7101 Design of Experiments
METR6203 Control Engineering 2