

**Benjamin David BOYER**

Qualified for the award of Bachelor of Mechanical Engineering (Honours) on 28 November 2025 with Honours Class II

**Division 1**

Term/ Program	Course Code	Course Name	Unit Value	% Mark	Grade	Units Earned
<b>Semester 1 - 2020</b>						
<b>Program:</b>	<b>B Computer Systems Eng (Hons)</b>					
	ENGG	1003	Intro to Procedural Programm	10	76	D 10
	ENGG	1500	Intro to Professional Eng	10	84	D 10
	SENG	1110	Object Oriented Programming	10	75	D 10
<b>Semester 2 - 2020</b>						
<b>Program:</b>	<b>B Computer Systems Eng (Hons)</b>					
	ELEC	1710	Digital and Computer Elec 1	10	63	P 10
	MATH	1002	Foundational Studies	10	59	P 10
	PHYS	1220	Advanced Physics II	10	54	P 10
<b>Semester 1 - 2021</b>						
<b>Program:</b>	<b>B Computer Systems Eng (Hons)</b>					
	ELEC	2720	Intro to Embedded Computing	10		FF --
	SENG	1120	Data Structures	10	54	P 10
<b>Semester 2 - 2021</b>						
<b>Program:</b>	<b>B Computer Systems Eng (Hons)</b>					
	ENGG	2500	Sustainable Eng Prac	10	73	C 10
	MATH	1110	Maths for Eng, Sci & Tech 1	10	71	C 10
	SENG	2250	System and Network Security	10	60	P 10
<b>Semester 1 - 2022</b>						
<b>Program:</b>	<b>B Mechanical Eng (Hons)</b>					
Credit granted in ENGG1003, ENGG1500, SENG1110, ELEC1710, PHYS1220, SENG2250, MATH1110 and ENGG2500 on the basis of previous studies undertaken at The University of Newcastle in 2020 and 2021.						
	ENGG	2100	Engineering Risk & Uncertainty	10	71	C 10
	MATH	1120	Maths for Eng, Sci & Tech 2	10	56	P 10
	MECH	1110	Introduction to Mechanical Eng	10	95	HD 10
<b>Semester 2 - 2022</b>						
<b>Program:</b>	<b>B Mechanical Eng (Hons)</b>					
	CIVL	1100	Fundamentals of Eng Mechanics	10	82	D 10
	ELEC	1310	Introduction to Electrical Eng	10	75	D 10
	MATH	2310	Calculus of Sci and Engin	10	51	P 10
	MECH	1750	Engineering Materials 1	10	78	D 10

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05 February 2026

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<b>Semester 1 - 2023</b>							
<b>Program:</b>	<b>B Mechanical Eng (Hons)</b>						
	ENGG	3500	Managing Eng Projects	10	93	HD	10
	MECH	2110	Mechanical Eng Design 1	10	73	C	10
	MECH	2360	Dynamics of Machines	10	69	C	10
	MECH	3400	Materials Science & Eng2	10	73	C	10
<b>Semester 2 - 2023</b>							
<b>Program:</b>	<b>B Mechanical Eng (Hons)</b>						
	ENGG	2300	Engineering Fluid Mechanics	10	66	C	10
	ENGG	2440	Modelling and Control	10	75	D	10
	MECH	2430	Mechanics of Solids 1	10	75	D	10
<b>Semester 1 - 2024</b>							
<b>Program:</b>	<b>B Mechanical Eng (Hons)</b>						
	MECH	3110	Mechanical Eng Design 2	10	58	P	10
	MECH	3695	Heat Transfer	10	70	C	10
	MECH	4410	Mechanics of Solids 2 and FEA	10	71	C	10
<b>Semester 2 - 2024</b>							
<b>Program:</b>	<b>B Mechanical Eng (Hons)</b>						
	ENGG	3300	Machine Learning for Engineers	10	84	D	10
	MECH	3720	Thermodynamics	10	66	C	10
	MECH	3780	Fluid Mechanics 2 and CFD	10	75	D	10
<b>Semester 1 - 2025</b>							
<b>Program:</b>	<b>B Mechanical Eng (Hons)</b>						
	MECH	4841A	Mech Eng Project A	10		NA	--
<b>Semester 2 - 2025</b>							
<b>Program:</b>	<b>B Mechanical Eng (Hons)</b>						
	ENGG	3200	Project/Directed Reading	10	85	HD	10
	MECH	4841B	Mechanical Eng Project B	20	82	D	30

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END OF TRANSCRIPT

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