

California Baptist University

Bachelor of Science in Mechanical Engineering (BSME)

Catalog: 2026-2027

24 Total Units

Recommended courses to be completed by AP, Transfer, or CLEP

___	ENGL1130	English I	3
___	ENGL1230	English II	3
___	MATH2450	Calculus 1	4
___	CHEM1150	General Chemistry I	3
___	CHEM1150L	General Chemistry I	1
___	MATH2550	Calculus II	4
___	GE (3)	Gen. Ed	3
___	GE (3)	Gen. Ed	3

105 Total Units

Recommended 4-year sequence sheet

Fall (Semester 1)			18
	Code	Title	# Units
___	ENGR1010	Intro to Engineering	3
___	ENGR1220	Visual Languages	3
___	ENGR1820L	Intro Math for Engr Apps	1
___	GNST1000	First Year Experience	1
___	ICST1050	Intro to Global Studies	3
___	PHYS2010	Physics 1	4
___	ENGR2410	Statics	3

Spring (Semester 2)			18
	Code	Title	# Units
___	ENGR1020	Intro to Design	4
___	ENGR1200	Python or EGR121 C++	3
___	PHYS2030	Physics II	4
___	ENGR2420	Strength of Materials	3
___	MATH3430	Multivariable Calculus	4

Fall (Semester 3)			18
	Code	Title	# Units
___	ENGR3060	Internship Prep	1
___	ENGR3410	Thermodynamics	3
___	ENGR3430	Dynamics	3
___	ENGR3820	ODE/Linear Algebra	4
___	ENGR2310	Circuits I	3
___	CHST1300	New Testament Survey	4

Spring (Semester 4)			17
	Code	Title	# Units
___	ENGR2320	Circuits II	4
___	ENGR3020	Engineering Design	3
___	ENGR3040	Leadership Cohort	1
___	ENGR3420	Fluid Mechanics	3
___	ENGR4410	Heat Transfer	3
___	ENGR3050	Engineering Statistics	3

Fall (Semester 5)			16
	Code	Title	# Units
___	ENGR3310	Signals and Systems	3
___	ENGR3460	Machine Design	3
___	ENGR4010	Capstone Design I	3
___	ENGR4050	Internship Report	1
___	ENGR3440	Materials & MFG Processes	3
___	TE (3)	Tech Elective	3

Spring (Semester 6)			18
	Code	Title	# Units
___	ENGR4020	Capstone Design II	3
___	ENGR4310	Control Systems	3
___	ENGR4430	Mechanical Vibration	3
___	ENGR4440	Mechanical ENGR Lab	3
___	ENGR4420	CAD Design	3
___	CHST3700	The Christian Faith	3

Additional Degree Requirements (0 Units)

- ☐ Successfully take the NCEES FE Exam
☐ Complete pre-approved 200 hours of supervised internship.

Print Date: 6/30/2026