

Campus	College	Subject	Catalog	Long Title
SDSU	ENGR	A E	123	The Aerospace Engineer
SDSU	ENGR	A E	200	Statics
SDSU	ENGR	A E	220	Dynamics
SDSU	ENGR	A E	260	Programming and Numerical Methods in Aerospace
SDSU	ENGR	A E	280	Methods of Analysis
SDSU	ENGR	A E	301	Low Speed Aerodynamics
SDSU	ENGR	A E	302	High Speed Aerodynamics
SDSU	ENGR	A E	320	Astroynamics
SDSU	ENGR	A E	331	Feedback Flight Control
SDSU	ENGR	A E	340	Fluid Mechanics
SDSU	ENGR	A E	341	Fluid Mechanics Laboratory
SDSU	ENGR	A E	403W	Aerospace Engineering Senior Project
SDSU	ENGR	A E	410	Aerospace Structural Dynamics
SDSU	ENGR	A E	430	Aircraft Propulsion Systems
SDSU	ENGR	A E	440	Aircraft Stability and Control I
SDSU	ENGR	A E	460A	Aerospace Engineering Applications
SDSU	ENGR	A E	499	Special Study
SDSU	ENGR	A E	535	Mechanics of Composite Structures
SDSU	ENGR	A E	550	Viscous Flow
SDSU	ENGR	A E	596	Introduction to Systems Engineering
SDSU	ENGR	A E	600	Seminar
SDSU	ENGR	A E	601	Computational Fluid Mechanics
SDSU	ENGR	A E	621	Theory of Elasticity
SDSU	ENGR	A E	631	Analysis of Elastic Plates
SDSU	ENGR	A E	644	Turbulent Flow
SDSU	ENGR	A E	661	Introduction to Static and Dynamic Aeroelasticity
SDSU	ENGR	A E	678	State-Space Flight Control
SDSU	ENGR	A E	696	Experimental Fluid Dynamics
SDSU	ENGR	A E	797	Research
SDSU	ENGR	A E	798	Special Study
SDSU	ENGR	A E	799A	Thesis or Project
SDSU	ENGR	A E	799B	Thesis or Project Extension
SDSU	ENGR	CIV E	100	Introduction to Civil Engineering
SDSU	ENGR	CIV E	160	Statistical Methods for the Built Environment
SDSU	ENGR	CIV E	218	Surveying for Civil Engineering and Construction
SDSU	ENGR	CIV E	220	Civil and Environmental Engineering Computer Applications
SDSU	ENGR	CIV E	225	Mechanics for Civil Engineers
SDSU	ENGR	CIV E	301	Introduction to Solid Mechanics
SDSU	ENGR	CIV E	302	Solid Mechanics Laboratory
SDSU	ENGR	CIV E	321	Structural Analysis I
SDSU	ENGR	CIV E	401	Civil Engineering and Society
SDSU	ENGR	CIV E	421	Reinforced Concrete Design
SDSU	ENGR	CIV E	444	Applied Hydraulics
SDSU	ENGR	CIV E	462	Geotechnical Engineering
SDSU	ENGR	CIV E	463	Geotechnical Engineering Laboratory
SDSU	ENGR	CIV E	481	Transportation Engineering
SDSU	ENGR	CIV E	482	Highway Engineering
SDSU	ENGR	CIV E	495W	Capstone Design Project

SDSU	ENGR	CIV E	499	Special Study
SDSU	ENGR	CIV E	525	Design of Steel Structures
SDSU	ENGR	CIV E	528	Masonry Structures Design
SDSU	ENGR	CIV E	530	Open Channel Hydraulics
SDSU	ENGR	CIV E	531	Pipe Flow and Water Distribution Systems
SDSU	ENGR	CIV E	545	Field Methods in Hydrology
SDSU	ENGR	CIV E	580	Traffic Engineering Design
SDSU	ENGR	CIV E	596	Introduction to Coastal Engineering
SDSU	ENGR	CIV E	610	Finite Element Analysis of Structures
SDSU	ENGR	CIV E	640	Advanced Soil Mechanics
SDSU	ENGR	CIV E	696	Soil Multi-Physics
SDSU	ENGR	CIV E	697	Traffic Signal Systems Operations and Control
SDSU	ENGR	CIV E	797	Independent Research
SDSU	ENGR	CIV E	798	Special Study
SDSU	ENGR	CIV E	799A	Thesis or Project
SDSU	ENGR	CIV E	799B	Thesis or Project Extension
SDSU	ENGR	COMPE	160	Introduction to Computer Programming
SDSU	ENGR	COMPE	260	Data Structures and Object-Oriented Programming in C++
SDSU	ENGR	COMPE	270	Digital Systems
SDSU	ENGR	COMPE	271	Computer Organization
SDSU	ENGR	COMPE	361	Advanced Programming
SDSU	ENGR	COMPE	375	Embedded Systems Programming
SDSU	ENGR	COMPE	470	Digital Circuits
SDSU	ENGR	COMPE	470L	Digital Logic Laboratory
SDSU	ENGR	COMPE	475	Microprocessors
SDSU	ENGR	COMPE	491W	Senior Design Project A
SDSU	ENGR	COMPE	492W	Senior Design Project B
SDSU	ENGR	COMPE	499	Special Study
SDSU	ENGR	COMPE	560	Computer and Data Networks
SDSU	ENGR	COMPE	561	Windows Database and Web Programming
SDSU	ENGR	COMPE	565	Multimedia Communication Systems
SDSU	ENGR	COMPE	570	VLSI System Design
SDSU	ENGR	COMPE	571	Embedded Operating Systems
SDSU	ENGR	COMPE	572	VLSI Circuit Design
SDSU	ENGR	COMPE	596	Machine Learning for Engineering
SDSU	ENGR	CON E	101	Construction and Culture
SDSU	ENGR	CON E	102	Fundamentals of Construction Management
SDSU	ENGR	CON E	215	Virtual Design and Construction
SDSU	ENGR	CON E	240	Introduction to Construction Materials
SDSU	ENGR	CON E	301	Construction Ethics, Law, and Contracts
SDSU	ENGR	CON E	312	Mechanical and Electrical Principles for Construction
SDSU	ENGR	CON E	320	Construction Estimating
SDSU	ENGR	CON E	330	Principles of Engineering Economy
SDSU	ENGR	CON E	400	Preconstruction Management
SDSU	ENGR	CON E	401	Construction Planning and Scheduling
SDSU	ENGR	CON E	499	Special Study
SDSU	ENGR	CON E	653	Construction Scheduling
SDSU	ENGR	E E	200	Analytical Methods for Electrical Engineers
SDSU	ENGR	E E	204	Principles of Electrical Engineering

SDSU	ENGR	E E	210	Circuit Analysis I
SDSU	ENGR	E E	296	Electrical Circuit Laboratory
SDSU	ENGR	E E	300	Computational and Statistical Methods for Electrical Engineers
SDSU	ENGR	E E	310	Circuit Analysis II
SDSU	ENGR	E E	330	Fundamentals of Engineering Electronics
SDSU	ENGR	E E	330L	Engineering Electronics Laboratory
SDSU	ENGR	E E	340	Electric and Magnetic Fields
SDSU	ENGR	E E	380	Electrical Energy Conversion
SDSU	ENGR	E E	380L	Electrical Energy Conversion Laboratory
SDSU	ENGR	E E	397	Discussion: Electrical Engineering
SDSU	ENGR	E E	410	Signals and Systems
SDSU	ENGR	E E	420	Feedback Control Systems
SDSU	ENGR	E E	420L	Control Systems Laboratory
SDSU	ENGR	E E	430	Analysis and Design of Electronic Circuits
SDSU	ENGR	E E	430L	Electronic Circuits Laboratory
SDSU	ENGR	E E	440	Electromagnetic Waves
SDSU	ENGR	E E	450	Digital Signal Processing
SDSU	ENGR	E E	458	Analog and Pulse Communication Systems
SDSU	ENGR	E E	458L	Communications and Digital Signal Processing Laboratory
SDSU	ENGR	E E	480	Power System Analysis
SDSU	ENGR	E E	491W	Senior Design A
SDSU	ENGR	E E	492W	Senior Design B
SDSU	ENGR	E E	495	Internship
SDSU	ENGR	E E	499	Special Study
SDSU	ENGR	E E	503	Biomedical Instrumentation
SDSU	ENGR	E E	540	Microwave Devices and Systems
SDSU	ENGR	E E	584	Power Electronics
SDSU	ENGR	E E	584L	Power Electronics Laboratory
SDSU	ENGR	E E	586	Distributed Energy Resources and Smart Grid Technologies
SDSU	ENGR	E E	601	Linear System Theory and Design
SDSU	ENGR	E E	602	Stochastic Signals and Systems
SDSU	ENGR	E E	645	Antennas and Propagation
SDSU	ENGR	E E	650	Modern Communication Theory
SDSU	ENGR	E E	654	Adaptive Filter Design
SDSU	ENGR	E E	655	Modem Design
SDSU	ENGR	E E	662	Wireless Sensor Networks
SDSU	ENGR	E E	671	VLSI Testing
SDSU	ENGR	E E	674	Signal and Power Integrity
SDSU	ENGR	E E	795	Internship/Practicum
SDSU	ENGR	E E	797	Research
SDSU	ENGR	E E	798	Special Study
SDSU	ENGR	E E	799A	Thesis or Project
SDSU	ENGR	E E	799B	Thesis or Project Extension
SDSU	ENGR	ENGR	101	Engineering Orientation and Career Exploration
SDSU	ENGR	ENGR	798	Special Study
SDSU	ENGR	ENGR	799A	Project
SDSU	ENGR	ENGR	897	Doctoral Research
SDSU	ENGR	ENGR	898	Doctoral Special Study
SDSU	ENGR	ENGR	899	Doctoral Dissertation

SDSU	ENGR	ENV E	320	Designing Solutions for Environmental Problems
SDSU	ENGR	ENV E	355	Environmental Engineering
SDSU	ENGR	ENV E	363	Environmental Engineering Laboratory
SDSU	ENGR	ENV E	445	Water and Wastewater Treatment Systems
SDSU	ENGR	ENV E	499	Special Study
SDSU	ENGR	ENV E	554	Process Fundamentals of Environmental Systems
SDSU	ENGR	ENV E	555	Sustainable Water and Sanitation Systems
SDSU	ENGR	ENV E	556	Air Pollution Engineering
SDSU	ENGR	ENV E	558	Solid and Hazardous Waste Engineering
SDSU	ENGR	ENV E	646	Microbiological Principles of Environmental Engineering
SDSU	ENGR	ENV E	797	Independent Research
SDSU	ENGR	ENV E	798	Special Study
SDSU	ENGR	ENV E	799A	Thesis or Project
SDSU	ENGR	ENV E	799B	Thesis or Project Extension
SDSU	ENGR	M E	190	Computer-Aided Design
SDSU	ENGR	M E	200	Statics
SDSU	ENGR	M E	202	Computer Programming and Applications
SDSU	ENGR	M E	220	Dynamics
SDSU	ENGR	M E	230	Basics of Mechatronics
SDSU	ENGR	M E	240	Introduction to Engineering Materials
SDSU	ENGR	M E	241	Materials Laboratory
SDSU	ENGR	M E	304	Mechanics of Materials
SDSU	ENGR	M E	314	Engineering Design: Mechanical Components
SDSU	ENGR	M E	330	Mechatronics Laboratory
SDSU	ENGR	M E	350	Thermodynamics
SDSU	ENGR	M E	360	Fluids Engineering
SDSU	ENGR	M E	420	Fundamentals of Manufacturing
SDSU	ENGR	M E	450	Applications of Thermodynamics
SDSU	ENGR	M E	452	Principles of Heat Transfer
SDSU	ENGR	M E	490W	Engineering Design: Senior Project
SDSU	ENGR	M E	491	Engineering Design: Senior Project
SDSU	ENGR	M E	495	Mechanical and Thermal Systems Laboratory
SDSU	ENGR	M E	499	Special Study
SDSU	ENGR	M E	520	Introduction to Mechanical Vibrations
SDSU	ENGR	M E	532	Robot Modeling and Control
SDSU	ENGR	M E	535	Mechanics of Composite Structures
SDSU	ENGR	M E	543	Powder-Based Manufacturing
SDSU	ENGR	M E	552	Heating, Ventilating, and Air-Conditioning
SDSU	ENGR	M E	554	Automotive Power
SDSU	ENGR	M E	555	Thermal Systems Analysis and Design
SDSU	ENGR	M E	580	Biomechanics
SDSU	ENGR	M E	645	Mechanical Behavior of Engineering Materials
SDSU	ENGR	M E	657	Convection Heat Transfer
SDSU	ENGR	M E	683	Design of Medical Devices
SDSU	ENGR	M E	685	Micro-Electro-Mechanical Systems (MEMS) Design and Applications
SDSU	ENGR	M E	688	Tissue Engineering
SDSU	ENGR	M E	696	Atomistic Modeling of Engineering Materials
SDSU	ENGR	M E	696	Computational Transport Phenomena
SDSU	ENGR	M E	696	Introduction to Micro/Nanofluidics

SDSU	ENGR	M E	696	Smart Manufacturing
SDSU	ENGR	M E	799A	Thesis or Project
SDSU	ENGR	M E	799B	Thesis or Project Extension
SDSU	ENGR	M E	799C	Comprehensive Examination Extension