

UC San Diego Summer Session 2016
Recommended Courses for High School Students
(All courses subject to change)

Session 1: June 27-July 30
 Session 2: August 1-September 3
 Session 3 (Special Session): Varies by Class

Department	Session	CourseID	Course Title	Units	Prerequisites
Anthropology	1	ANTH1	Introduction to Culture	4	None
	2	ANTH2	Human Origins	4	None
	1	ANTH21	Race and Racisms	4	None
	2	ANTH21	Race and Racisms	4	None
	2	ANTH23	Debating Multiculturalism: Race, Ethnicity, and Class in American Societies	4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Biological Sciences	1	BILD1	The Cell	4	Chem 6A; Chem 6B may be taken concurrently
	1	BILD2	Multicellular Life	4	BILD 1
	2	BILD2	Multicellular Life	4	BILD 1
	1	BILD3	Organismic and Evolutionary Biology	4	None
	2	BILD3	Organismic and Evolutionary Biology	4	None
	1	BILD4	Introductory Biology Lab	2	None
	2	BILD10	Fundamental Concepts of Modern Biology	4	None
	1	BILD18	Human Impact on the Environment	4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Chemistry and Biochemistry	1	CHEM6A	General Chemistry I	4	None
	2	CHEM6A	General Chemistry I	4	None
	1	CHEM6B	General Chemistry II	4	Chem 6A or 6AH and Math 10A or 20A
	2	CHEM6B	General Chemistry II	4	Chem 6A or 6AH and Math 10A or 20A
	1	CHEM6C	General Chemistry III	4	Chem 6B or 6BH
	2	CHEM6C	General Chemistry III	4	Chem 6B or 6BH
	1	CHEM7L	General Chemistry Laboratory	4	Chem 6B or Chem 6BH
	1	CHEM7L	General Chemistry Laboratory	4	Chem 6B or Chem 6BH
	1	CHEM11	The Periodic Table	4	None
	2	CHEM12	Molecules and Reactions	4	Chem 11 or good knowledge of high school chemistry

Department	Session	CourseID	Course Title	Units	Prerequisites
Cognitive Science	2	COGS3	Introduction to Computing	4	None
	1	COGS11	Introduction to Cognitive Science: Minds and Brains	4	None
	1	COGS17	Neurobiology of Cognition	4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Communication	2	COMM10	Introduction to Communication	4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Computer Science and Engineering	1	CSE5A	Introduction to Programming I	4	A familiarity with high-school level algebra is expected, but this course assumes no prior programming knowledge.
	2	CSE5A	Introduction to Programming I	4	A familiarity with high-school level algebra is expected, but this course assumes no prior programming knowledge.
	2	CSE7	Introduction to Programming with MATLAB	4	None
	1	CSE11	Introduction to Computer Science and Object-Oriented Programming: Java	4	None
	2	CSE11	Introduction to Computer Science and Object-Oriented Programming: Java	4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Critical Gender Studies	2	CGS2A	Introduction to Critical Gender Studies: Social Movements	4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Economics	1	ECON1	Principles of Microeconomics	4	None
	2	ECON1	Principles of Microeconomics	4	None
	1	ECON2	Market Imperfections and Policy	4	Econ 1
	1	ECON3	Principles of Macroeconomics	4	Econ 1
	2	ECON3	Principles of Macroeconomics	4	Econ 1
	1	ECON4/MGT4	Financial Accounting	4	None
	2	ECON4/MGT4	Financial Accounting	4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Electrical and Computer Engineering	3	ECE45	Circuits and Systems	4	ECE 35

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History	1	HILD2C	Unites States History	4	None
	1	HILD7A	Race and Ethnicity in the United States	4	None
	2	HILD7B	Race and Ethnicity in the United States	4	None
	1	HILD7C	Race and Ethnicity in the United States	4	None
	1	HILD14	Film and History in Latin America	4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Linguistics	3	LIFR5B	Fundamentals of French	5	two or more years of French in high school or the first semester of college-level French
	3	LIFR5C	Fundamentals of French	5	LIFR5B
	3	LIFR5D	Fundamentals of French	5	LIFR5C
	3	LIGM5A	Fundamentals of German	5	none
	3	LIGM5B	Fundamentals of German	5	two or more years of German in high school or the first semester of college-level German
	3	LIGM5C	Fundamentals of German	5	LIGM5B
	1	LIGN8	Languages and Cultures in America	4	none
	3	LIIT5AS	Fundamentals of Italian	5	none
	3	LIIT5BS	Fundamentals of Italian II	5	LIIT 1A/1AX, 5AS or consent of instructor
	3	LIIT5CS	Fundamentals of Italian III	5	LIIT 1B/1BX, 5BS or consent of instructor
	3	LISP5A	Fundamentals of Spanish	5	none
	3	LISP5B	Fundamentals of Spanish	5	two or more years of Spanish in high school or the first semester or the first quarter of college-level Spanish
	3	LISP5C	Fundamentals of Spanish	5	LISP5B
	3	LISP5D	Fundamentals of Spanish	5	LISP5C

Department	Session	CourseID	Course Title	Units	Prerequisites
Management, Rady School of	1	MGT4/ECON4	Financial Accounting	4	None
	2	MGT4/ECON4	Financial Accounting	4	None
	1	MGT5	Managerial Accounting	4	None
	1	MGT16	Personal Ethics at Work	4	None
	1	MGT18	Managing Diverse Teams	4	None
	2	MGT18	Managing Diverse Teams	4	None
	2	MGT45	Principles of Accounting	4	None

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Mathematics	2	MATH3C	Pre-Calculus	4	Math Placement Exam qualifying score
	1	MATH10A	Calculus	4	Math Placement Exam qualifying score, or AP Calculus AB score of 2, or SAT II Math Level 2 score of 600 or higher, or Math 3C, or Math 4C
	1	MATH10B	Calculus	4	AP Calculus AB score of 3, 4, or 5 (or equivalent AB subscore on BC exam), or Math 10A, or Math 20A
	2	MATH10B	Calculus	4	AP Calculus AB score of 3, 4, or 5 (or equivalent AB subscore on BC exam), or Math 10A, or Math 20A
	2	MATH10C	Calculus	4	AP Calculus BC score of 3, 4, or 5, or Math 10B, or Math 20B
	1	MATH20A	Calculus for Science and Engineering	4	Math Placement Exam qualifying score, or AP Calculus AB score of 2 or 3 (or equivalent AB subscore on BC exam), or SAT II Math 2C score of 650 or higher, or Math 4C with a grade of C- or better, or Math 10A with a grade of C- or better
	1	MATH20B	Calculus for Science and Engineering	4	AP Calculus AB score of 4 or 5, or AP Calculus BC score of 3, or Math 20A with a grade of C- or better, or Math 10B with a grade of C- or better, or Math 10C with a grade of C- or better
	2	MATH20B	Calculus for Science and Engineering	4	AP Calculus AB score of 4 or 5, or AP Calculus BC score of 3, or Math 20A with a grade of C- or better, or Math 10B with a grade of C- or better, or Math 10C with a grade of C- or better
	1	MATH20C	Calculus and Analytic Geometry for Science and Engineering	4	AP Calculus BC score of 4 or 5, or Math 20B with a grade of C- or better
	2	MATH20C	Calculus and Analytic Geometry for Science and Engineering	4	AP Calculus BC score of 4 or 5, or Math 20B with a grade of C- or better
	1	MATH20D	Introduction to Differential Equations	4	Math 20C (or Math 21C) or Math 31BH with a grade of C- or better
	2	MATH20D	Introduction to Differential Equations	4	Math 20C (or Math 21C) or Math 31BH with a grade of C- or better
	1	MATH20E	Vector Calculus	4	Math 20C (or Math 21C) or Math 31BH with a grade of C- or better
	2	MATH20E	Vector Calculus	4	Math 20C (or Math 21C) or Math 31BH with a grade of C- or better
	1	MATH20F	Linear Algebra	4	Math 20C (or Math 21C) with a grade of C- or better
2	MATH20F	Linear Algebra	4	Math 20C (or Math 21C) with a grade of C- or better	

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Mechanical and Aerospace Engineering	1	MAE8	Matlab Programming for Engineering Analysis	4	Math 20A and 20B or consent of instructor

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Music	1	MUS11	Folk Music: Music of Latin America	4	None
	2	MUS11	Folk Music: The Path of Cumbia-Aurality, race and class in Latin America	4	None
	1	MUS14	Contemporary Music: Music for a World at War	4	None
	2	MUS14	Contemporary Music: Experimental and Avant Garde Music	4	None
	1	MUS15	Popular Music: Bob Dylan	4	None
	1	MUS15	Popular Music: Punk, Indie and Alternative	4	None
	1	MUS15	Popular Music: Future Music-Technology and the sound of yesterday	4	None
	2	MUS15	Popular Music: Future Sound- Science Fiction	4	None
	2	MUS15	Popular Music: Hong Kong Identities & Politics	4	None
	2	MUS15	Popular Music - Passing Through the Fabulous 50s: Explore 50s Rock and Jazz	4	None
	1	MUS80	Special Topics in Music: Music as Weapon/Music as Medicine	1 to 4	None
	2	MUS80	Special Topics in Music: Biology and Music	1 to 4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Philosophy	1	PHIL10	Introduction to Logic	4	None
	2	PHIL13	Introduction to Philosophy: Ethics	4	None
	2	PHIL15	Introduction to Philosophy: Knowledge and Its Limits	4	None
	2	PHIL26	Science, Society, and Values	4	None
	2	PHIL27	Ethics and Society	4	CAT 2 and 3 or DOC 2 and 3 or MCWP 40 and 50 or Hum 1 and 2 or MMW 2 and 3 or WCWP 10A and B
	1	PHIL28	Ethics and Society II	4	Philosophy 27 or Poli Sci 27

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Physics	1	PHYS1A	Mechanics	3	Mathematics 10A or 20A
	2	PHYS1A	Mechanics	3	Mathematics 10A or 20A
	1	PHYS1AL	Mechanics Laboratory	2	Mathematics 10A or 20A
	2	PHYS1AL	Mechanics Laboratory	2	Mathematics 10A or 20A
	1	PHYS1B	Electricity and Magnetism	3	Physics 1A or 2A, 1AL, and Mathematics 10B or 20B
	2	PHYS1B	Electricity and Magnetism	3	Physics 1A or 2A, 1AL, and Mathematics 10B or 20B
	1	PHYS1BL	Electricity and Magnetism Laboratory	2	Physics 1A or 2A, 1AL, and Mathematics 10B or 20B
	2	PHYS1BL	Electricity and Magnetism Laboratory	2	Physics 1A or 2A, 1AL, and Mathematics 10B or 20B
	1	PHYS1C	Waves, Optics, and Modern Physics	3	Physics 1B, 1BL, and Mathematics 10C or 20C or 11
	2	PHYS1C	Waves, Optics, and Modern Physics	3	Physics 1B, 1BL, and Mathematics 10C or 20C or 11
	1	PHYS1CL	Waves, Optics, and Modern Physics Laboratory	2	Physics 1B, 1BL, and Mathematics 10C or 20C or 11
	2	PHYS1CL	Waves, Optics, and Modern Physics Laboratory	2	Physics 1B, 1BL, and Mathematics 10C or 20C or 11
	1	PHYS2A	Physics-Mechanics	4	Mathematics 20A
	1	PHYS2B	Physics-Electricity and Magnetism	4	Physics 2A or 4A and Mathematics 20B (prior completion of mathematics corequisite is permitted)
	2	PHYS2B	Physics-Electricity and Magnetism	4	Physics 2A or 4A and Mathematics 20B (prior completion of mathematics corequisite is permitted)
	1	PHYS2BL	Physics Laboratory-Mechanics and Electrostatics	2	Physics 2A or 4A
	1	PHYS2C	Fluids, Waves, Thermodynamics, and Optics	4	Physics 2A, 2B, and Mathematics 20C
	2	PHYS2C	Fluids, Waves, Thermodynamics, and Optics	4	Physics 2A, 2B, and Mathematics 20C
2	PHYS2CL	Physics Laboratory: Electricity and Magnetism, Waves, and Optics	2	Physics 2A or 4A and Physics 2B or 4C	
2	PHYS2D	Physics-Relativity and Quantum Physics	4	Physics 2A, 2B and Mathematics 20D	

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Political Science	1	POLI10	Introduction to Political Science: American Politics	4	None
	2	POLI11	Introduction to Political Science: Comparative Politics	4	None
	1	POLI12	Introduction to Political Science: International Relations	4	None
	2	POLI13	Power and Justice	4	None
	2	POLI28	Ethics and Society II	4	Phil/Pol 27
	2	POLI30	Political Inquiry	4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Psychology	2	PSYC1	Introduction to Psychology	4	None
	2	PSYC2	General Psychology: Biological Foundations	4	None
	1	PSYC3	General Psychology: Cognitive Foundations	4	None
	1	PSYC4	General Psychology: Behavioral Foundations	4	None
	1	PSYC6	General Psychology: Social Foundations	4	None
	2	PSYC7	General Psychology: Developmental Foundations	4	None
	1	PSYC60	Introduction to Statistics	4	None
	2	PSYC60	Introduction to Statistics	4	None
2	PSYC70	Research Methods in Psychology	4	Psychology 60 or equivalent	

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Scripps Institution of Oceanography	2	SIO25	Climate Change and Society	4	None
	1	SIO50	Introduction to Earth and Environmental Sciences	6	None

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Sociology	2	SOCI1	Introduction to Sociology	4	None
	2	SOCI10	Amer Soc: Soc Struc & Cult/US	4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Structural Engineering	1	SE2	Structural Materials	3	Chem 6A, Phys 2A
	1	SE2L	Structural Materials Lab	1	Chem 6A, Phys 2A and SE 2
	2	SE9	Algorithms and Programming for Structural Engineering	4	grade of C- or better in Math 20D and Math 20F (20F may be concurrent)

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Theater and Dance	1	TDAC1	Introduction to Acting	4	None
	2	TDAC1	Introduction to Acting	4	None
	1	TDGE1	Introduction to Theatre	4	None
	1	TDGE10	Theatre and Film	4	None
	2	TDGE10	Theater and Film	4	None
	1	TDGE11	Great Performances on Film: Science Fiction: From 1902 to Today	4	None
	2	TDGE11	Great Performances on Film: Fantasy/SciFi/Horror	4	None
	2	TDGE11	Great Performances on Film: Performing the Impossible	4	None
	1	TDGE25	Public Speaking	4	None
	2	TDGE25	Public Speaking	4	None
	1	TDMV1	Beginning Ballet	2	None
	2	TDMV1	Beginning Ballet	2	None
	1	TDMV2	Beginning Contemporary Dance	2	None
	2	TDMV2	Beginning Contemporary Dance	2	None
	1	TDMV3	Beginning Jazz	2	None
	2	TDMV3	Beginning Jazz	2	None
	1	TDMV11	Theatrical Tap	2	None
	2	TDPW1	Introduction to Playwriting	4	None

Department	Session	CourseID	Course Title	Units	Prerequisites
Visual Arts	1	VIS22	Formations of Modern Art	4	None
	1	VIS60	Introduction to Digital Photography	4	None