

Department Requirements

(Total Department Units: 22.5-36.5)* (See Certificate Requirements below)

2011-12 Course No.	Previous Course No.	Title	Units	Institution & Course No.	Grade	Units (s/q)	Term
I. COMPLETE 4 SCIENCE/MATHEMATICS COURSES FOR A TOTAL OF 12-20.5 UNITS SELECTED FROM:							
• BIOL 101	(10A)	Plant Biology	5.0				
• BIOL 102	(10B)	Animal Biology	5.0				
• BIOL 103	(11)	Cell Biology	5.5				
• BIOL 104	(12)	Molecular Biology	4.0				
• CHEM 155	(5)	General Chemistry I	5.0				
• CHEM 156	(6)	General Chemistry II	5.0				
• CHEM 211	(11)	Organic Chemistry I	3.0				
• CHEM 212	(12)	Organic Chemistry II	3.0				
• CHEM 221	(13L)	Organic Chemistry Laboratory I	2.3				
• CHEM 222	(14L)	Organic Chemistry Laboratory II	2.5				
• CS 101	(COMSC 101/1)	Computer Concepts	3.0				
• CS 120	(COMSC 120)	Java Programming	3.0				
• CS 130	(COMSC 130)	An Introduction to UNIX	1.5				
• CS 131	(COMSC 131/31)	Assembly Language Programming	4.0				
• CS 135	(COMSC 135/35)	Programming Fundamentals	3.0				
• CS 137	(COMSC 137/37)	C Programming	3.0				
• CS 140	(COMSC 140)	Object-Oriented Programming, Using C++	4.0				
• CS 143	(none)	Discrete Math	4.0				
• CS 145J	(COMSC 145/45)	Introduction to Data Structures OR	3.0				
• CS 145P	(COMSC 145/45)	Introduction to Data Structures	3.0				
• ENGR 105	(5)	Engineering Graphics OR	4.0				
• DRFT 105	(DRAFT 105/3)	Engineering Graphics	4.0				
• ENGR 115	(15)	Statics & Strength of Materials	4.0				
• ENGR 117	(17)	Electronic Circuits AND	3.0				
• ENGR 117L	(18)	Electronic Circuits, Laboratory	1.0				
• ENVST 110	(ENVST 110/BIOL 22/114)	Humans and the Biological Environment	3.0				
• EARTH 111+111L [^]	(EARTH 111+111L/3+3L)	Dynamic Earth – Phys Geology and Lab OR	4.0				
• EARTH 111H+111L [^]	(none)	Dynamic Earth – Phys Geol & Lab, Honors	5.0				
• EARTH 112+112L	(EARTH 112+112L/4+4L)	History of the Earth and Lab	4.0				
• EARTH 125	(EARTH 125/41)	Mineralogy and Resources	5.0				
• EARTH 126	(EARTH 126/42)	Petrology and Rock Forming Minerals	5.0				
• EARTH 131	(EARTH 131/22)	Geologic Field Studies: Eastern Sierra Nevada	2.0				
• EARTH 132	(EARTH 132/23)	Geologic Field Studies in Death Valley	2.0				
• EARTH 141	(EARTH 141/1)	Physical Geography OR	3.0				
• GEOG 101	(1)	Physical Geography	3.0				
• EARTH 151	(EARTH 151/2)	Introductory Physical Oceanography	3.0				
• EARTH 152	(EARTH 152/19)	Weather and Climate OR	3.0				
• GEOG 152	(none)	Weather and Climate	3.0				
• MATH 130	(18)	Calculus for Biol. Sci./Soc. Sci./Business I	5.0				
• MATH 131	(19)	Calculus for Biol. Sci./Soc. Sci./Business II	3.0				
• MATH 150	(25)	Calculus with Analytic Geometry I	5.0				
• MATH 160	(26)	Calculus with Analytic Geometry II	5.0				
• MATH 200*	(27)	Multivariable Calculus	4.0				
• MATH 210*	(29)	Linear Algebra	4.0				
• MATH 220*	(28)	Differential Equations	4.0				
• PHYS 105	(5)	General Physics	4.0				
• PHYS 106	(6)	General Physics	4.0				
• PHYS 110	(none)	Introductory Physics	5.0				
• PHYS 111	(none)	General Physics	5.0				
• PHYS 121	(21)	Mechanics of Solids and Fluids	5.0				
• PHYS 122	(22)	Electricity and Magnetism	5.0				
• PHYS 123	(23)	Heat, Light and Modern Physics	5.0				

*MATH 250/260 will also satisfy these requirements.

[^]A course may not be used to satisfy more than one requirement (double counting is not allowed).

(Please see other side for additional requirements)

Department Requirements

(Total Department Units: 22.5-36.5)* (See Certificate Requirements below)

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II. COMPLETE 4 HONORS COURSES FOR A TOTAL OF 10.5-16 UNITS SELECTED FROM:

• ART 104H..... (104HR)	History of Art, Renaiss. to Modern, Honors.....	4.0	_____
• BIOL 110H..... (110HR/2HR).....	Natural Science, Honors	4.0	_____
• COMM 121H..... (121HR)	Interpersonal Communication, Honors	3.0	_____
• COMM 131H..... (131HR/23HR)	Fundamentals of Public Speaking, Honors.....	3.0	_____
• ENG 110H..... (110HR/1HR)	Composition and Reading, Honors	3.0	_____
• ENG 111H..... (111HR)	Critical Think. & Comp. thru Lit., Honors OR ..	3.0	_____
ENG 111HG..... (111HRGB)	Critical Think. & Comp. through Lit., Honors ..	3.0	_____
• ENG 226H..... (226HR)	American Literature, Honors	3.0	_____
• ENG 282ABCDH# ... (282ABCDHR).....	Topics in Literature, Honors	0.5-2	_____
• EARTH 101H..... (EARTH 101HR)	Introductory Astronomy, Honors.....	4.0	_____
• EARTH 111H^..... (none)	Dynamic Earth-Phys Geol, Honors.....	4.0	_____
• FS 101H..... (FILMST 101HR).....	Introduction to Film, Honors	4.0	_____
• HIST 102H..... (102HR)	History of the U.S. Since 1865, Honors	4.0	_____
• HIST 113H..... (113HR/3HR)	History of West. Civ., 1600-Present, Honors	4.0	_____
• HIST 114H..... (114HR)	The Immigrant Exp. in the U.S., Honors OR	4.0	_____
ETHS 101H..... (ETHST 101HR)	The Immigrant Exp. in the U.S., Honors	4.0	_____
• MATH 117H..... (117HR)	Elementary Statistics, Honors	4.0	_____
• MUS 110H..... (110HR/5HR)	Music Appreciation, Honors.....	4.0	_____
• PHIL 101H..... (101HR)	Introduction to Ethics, Honors	4.0	_____
• PHIL 102H..... (102HR/7HR)	Comparative World Religions, Honors	3.0	_____
• PHYS 101H..... (101HR)	Conceptual Physics, Honors	4.0	_____
• POLS 106H..... (POLSC 106HR/8HR) .	The Presidency and American Instit., Honors ...	3.0	_____
• POLS 134H..... (POLSC 134HR/3HR) .	Political Violence, Honors	4.0	_____
• POLS 151H..... (POLSC 151HR)	Law and Society, Honors	3.0	_____
• PSY 100H..... (PSYCH 100HR).....	General Psychology, Honors.....	4.0	_____
• SOC 101H..... (none)	Introduction to Sociology, Honors.....	3.0	_____

ENG 282ABCDH can only be taken once for credit toward the Certificate of Achievement.

^ A course may not be used to satisfy more than one requirement (double counting is not allowed).

Certificate Requirements: Students will receive an “Honors Certificate of Achievement: Sciences/Mathematics” when they have successfully completed at least four Science/Math courses (12 units minimum) and four Honors Program courses (10.5 units minimum) with a grade point average of 3.0 in honors courses and no grade below “B” in any honors course (a maximum of one honors course may be completed with a “C”). Students will receive a "Certificate of Achievement with Highest Honors" by meeting these requirements and by maintaining a cumulative GPA of 3.5 or better for all course work completed at SBCC. Candidates for a Certificate of Achievement are expected to complete at least 20% of the department requirements through SBCC. Pass/no pass grading is not permitted in a course within a student’s major area of study.

Additional Program Information

For further information, contact the Counseling Center, 965-0581, Ext. 2285, or Melanie Eckford-Prossor, Honors Program Director, 965-0581, Ext. 3014, or Larry Friesen, Advisor for Honors: Sciences/Mathematics, Ext. 2393. Check your certificate progress with DARS U-Achieve at www.sbccc.edu/DARS.

Santa Barbara City College



Santa Barbara City College

Honors: Sciences/Mathematics

2011-12

Certificate of Achievement Sciences/Mathematics Certificate of Achievement with Highest Honors- Sciences/Mathematics

Completion of the Honors Program (Social Sciences & Humanities or Sciences/Mathematics) makes available to the student an array of exclusive priority consideration Transfer Agreements and Transfer Scholarships. For details, contact the Honors Program Director.

Honors Societies: Phi Theta Kappa

Phi Theta Kappa is the international honor society for two-year colleges. Santa Barbara City College's chapter of Phi Theta Kappa is Beta Gamma Upsilon. Although not tied to the Honors Program, membership in Phi Theta Kappa and in the Honors Program complement each other perfectly. Students are required to have completed 12 units at SBCC and have a cumulative GPA of 3.5 to be considered for membership. The benefits of membership include nationwide recognition of scholarly excellence, scholarships, access to prestigious universities, special graduation certificates and transcript notations, leadership opportunities as chapter officers and fellowship and service opportunities at SBCC and in the community.

Note: This certificate was first approved by the CCC Chancellor's Office in Fall 2009.

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Educational Excellence***