

Articulation Agreement for Engineering Programs Between Santa Monica College and Polytechnic University

An articulation agreement is a formal, systematic, written collaboration between two institutions designed to identify equivalent courses and clarify requirements so students can more easily transfer between the two institutions. Completing these agreements can be a lengthy process that involves the faculty and administration at both institutions. These agreements must also be periodically updated to reflect any changes in curriculum or requirements at the institutions. For students considering transferring to Polytechnic University, the articulation agreement provides a great resource. The agreement should be followed closely to ensure a smooth transition between institutions. Students should check with their academic counselor for more information about their specific agreement.

Course to Course Equivalences and Transfer Credit Awarded

Santa Monica College Requirements	Credits at SMC	Polytechnic Equivalent	Credits at Poly
ENGL 1 Reading and Composition 1	3 cr.	EN 1014 Writing & Humanities I	12 cr.
ENGL 2 Critical Analysis and Intermediate Composition	3 cr.	EN 1204 Writing & Humanities II	
HIST 2 History of Western Civilization 2	3 cr.	HI 2104 Modern World History	
SPEECH 1 Elements of Public Speaking	3 cr.	- - - Used in combination with EN & HI to grant 12 credits	
MATH 7 Calculus 1	5 cr.	MA 1012 Calculus IA	2 cr.
		MA 1022 Calculus IB	2 cr.
MATH 8 Calculus 2	5 cr.	MA 1112 Calculus IIA	2 cr.
		MA 1122 Calculus IIB	2 cr. ¹
MATH 13 Linear Algebra	3 cr.	MA 2012 Linear Algebra I	2 cr. ¹
MATH 15 Differential Equations	3 cr.	MA 2132 Ordinary Diff. Equations	2 cr. ¹
MATH 11 Multivariable Calculus	5 cr.	MA 2112 Multi. Calculus A	2 cr. ¹ + 1 cr. ²
		MA 2122 Multi. Calculus B	2 cr. ¹
CS 51 Visual C++ Programming	3 cr.	CS 1114 Intro. to Programming & Problem Solving	3 cr. ²
CHEM 11 General Chemistry 1	5 cr.	CM 1004 General Chemistry	4 cr.
PHYSCS 21 Mechanics with Lab	5 cr.	PH 1004 Introductory Physics I & II	8 cr.
PHYSCS 22 Electricity and Magnetism	5 cr.	& PH 2004	
PHYSCS 23 Waves, Optics, Thermodynamics	5 cr.	4 Generic Level-2 Physics Credits ³	4 cr.
Appropriate SS/Hum courses 12 cr. (4 courses) from the attached list of SS/Hum electives	12 cr.	SS/Hum 12 credits of appropriate courses to fulfill SS/Hum elective credits	12 cr.
Total credits	68		60

¹ Students will receive credit for MA 1122 and/or higher-level mathematics courses only after passing the proficiency exam in math required of all transfer students. If students fail the exam, they will be required to take MA 1132 and will receive the previously earned credit upon successfully completing the course.

² 1 elective credit from Multivariable Calculus will be used as the 4th credit for CS 1114.

³ The Generic Level-2 Physics Credits will be applied toward Technical electives as approved by each individual department. Some curricula may allow for less than 4 credits to apply.

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To fulfill Polytechnic's HU/SS electives, students must take (or transfer in) 12 credits from the list below. Two courses must be equivalent to Poly courses at the 2000 level and one course at the 3000 level.

SMC Course	SMC Course Title	Poly Course	Poly Course Title
ART 2	Western Art History II	AH 2114	Introduction to Art History
ART 3	Western Art History III	AH 2114	Introduction to Art History
ART 8	Western Art History IV	AH 2124	Modern Art
ENGL 3	World Literature I	EN 2214	World Literature
ENGL 4	World Literature II	EN 2214	World Literature
ENGL 5	English Literature I	EN 2224	English Literature
ENGL 6	English Literature II	EN 2224	English Literature
ENGL 7	American Literature I	EN 2234	American Literature
ENGL 8	American Literature II	EN 2234	American Literature
HIST 55	History of Science	HI 2214	Introduction to the History of Science
MUSIC 30	Music History I	MU 2114	Understanding Music
MUSIC 31	Music History II	MU 2124	Modern Music
PHILOS 1	Introduction: Philosophical Analysis	PL 2104	Magic, Medicine and Science
PHILOS 2	Introduction: Moral Philosophy	PL 2054	Ethical Theories I
PHILOS 6	Philosophy of Science	PL 2094	Philosophy of Science I
PHILOS 9	Symbolic Logic	PL 2014	Symbolic Logic
PHILOS 22	Asian Philosophy	PL 2074	Asian Philosophy
PHILOS 23	Philosophy of Religion	PL 2034	Philosophy of Religion
PHILOS 51	Political Philosophy	PL 3044	Political Philosophy
PSYCH 1	General Psychology	PS 2104	Introduction to Psychology
PSYCH 2	Physiological Psychology	PS 3114	Physiological Psychology
PSYCH 3	Personality: Dynamics and Development	PS 3434	Personality Development
PSYCH 13	Social Psychology	PS 3314	Social Psychology
PSYCH 14	Abnormal Psychology	PS 3424	Abnormal Psychology
PSYCH 19	Lifespan Human Development	PS 3414	Developmental Psychology
PSYCH 40	Environmental Psychology	PS 3324	Environmental Psychology

