

Science and Health Interest Area



PHYSICS

ASSOCIATE IN SCIENCE FOR TRANSFER

SAMPLE SEQUENCE MAP

The Associate in Science for Transfer (AS-T) is designed to streamline transfer admission to the California State University (CSU) system. If you are considering transfer to a UC, private, out-of-state college, or a specific CSU campus, consult with a counselor regarding the transfer requirements of that institution. A personalized education plan is necessary to meet the unique goals of each student and transfer institution.

0 -15 UNITS		Pre- or co-reqs	Credit	IGETC	CSU
Semester 1	Area IA: English Composition: ENGL 122 – First-Year College Composition and Reading	Placement	3	IA	A2
	Physical Science and Biological Science w/o Lab: PHYS 129 – Introductory Physics for Engineers (required if not had 1 year of HS physics)	Co-req MATH 192	4	5A/B	B2/B3
	Mathematical Concepts: MATH 192 – Analytic Geometry and Calculus I	MATH 191	5	2	B4
	Social and Behavioral Science		3	4	D
		Total	15		

16 – 30 UNITS		Pre- or co-reqs	Credit	IGETC	CSU
Semester 2	Arts and Humanities		3	3	C1/C2
	Physical Science and Biological Science WO/LAB		3	5A/B/C	B1/B3
	Critical Thinking – English Composition		3	IB	A3
	MATH 193 – Analytic Geometry and Calculus II	MATH 192	5	2	B4
	PHYS 130 – Physics for Engineers and Scientists A: Mechanics and Wave Motions	PHYS 129	4	5A, 5B	B1
		Total	18		

31 – 45 UNITS		Pre- or co-reqs	Credit	IGETC	CSU
Semester 3	Arts and Humanities		3	3	C1/C2
	Social and Behavioral Science		3	4	D
	MATH 292 – Analytic Geometry and Calculus III	MATH 193	5	2	B4
	PHYS 230 – Physics for Engineers and Scientists B: Heat and Electro Magnetism	PHYS 130 co: MATH 292	4	5A, 5B	B1
		Total	15		

46 – 60 UNITS		Pre- or co-reqs	Credit	IGETC	CSU
Semester 4	PHYS 231 – Physics for Engineers and Scientists C: Optics and Modern Physics	PHYS 230, MATH 294	4	5A, 5B	B1
	Arts and Humanities		3	3	C1/C2
	Social and Behavioral Science		3	4	D
	CSU Lifelong Learning Graduation requirement:		3	CSU GR	-
	Oral Communication		3	IC	AI
		Total	16		

Program total: 60

Students earning this degree must complete 60 CSU-transferable units. Students must also complete either CSU GE or IGETC (including the Area 1C requirement) General Education pattern. Consult with a counselor to see which pattern is best for you and for specific recommendations about courses that best meet your education goals, particularly related to transfer requirements. Not all courses are offered every term. See the Catalog and Schedule of Classes for more details.

July 7, 2021