CAL POLY POMONA

Name: _____

Plan: **Science, Technology, and Society, B.A.**

SubPlan/Option: _____

Min. Units Required: **120 units**

2018-2019 University Catalog
Degree Curriculum Sheet

Major Required Core — 24 units

HST4408 - History of American Science and Technology (3) (C3 or D4)
IME4020 - Ethical Concepts in Technology and Applied Science (3) (B5 or C3)
PHL2180 - Logic and Computing (3) (B4)
PHL3830 - Philosophy of Science (3) (B5)
SOC4440 - Technology & Society (3) (D4)
STS2010 - Introduction to Science, Technology, and Society (3) (C2a)
STS4610 - Science, Technology, and Society Capstone Seminar (3)
STS4620 - Science, Technology, and Society Senior Project (3)

Major Electives — 21 units

Select one course from the following: 3 Units

STA1200 - Statistics with Applications (3) (B4)
STA2260 - Probability and Statistics for Computer Scientists and Engineers (3)

Select one course from the following: 3 Units

SOC2201 - Introduction to Sociology (3) (D3)
IGE2300 - Ways of Doing: Culture, Society, and the Sciences (3) (D1 or D3)

History of Science and Technology Electives

Select 1 course from the following — 3 units

ANT4800 - History of Anthropological Theory (3)
HST4200 - Islamic Science in World History (3)
HST4210 - History of the Scientific Revolution (3) (D4)
HST4230 - Modern Science in World History (3) (C3 or D4)
MAT3060 - History of Mathematics (3)
MU3100 - History of Technology in Music (3) (B5 or C3 or D4)
PHY3060 - History of Physics (3) (B5)
PSY4100 - History and Systems of Psychology (3)

Social and Cultural Studies of Science and Technology Electives

Select 2 courses from the following — 6 units

ANT3500 - Environment, Technology and Culture (3) (B5 or D4)
ANT3520 - Anthropology of Globalization and Development (3)
ENG2880 - Science Fiction (3) (C2b)
EWS4250 - Gender, Identity and Technology (3) (D4)

GEO3300 - Environmental Geography (2) and
GEO3300L - Environmental Geography Laboratory (1)

IGE3200 - Visions of Science and Technology (3)
PHY3010 - Energy and Society (3) (B5)
PHY3020 - Physics for Future Presidents (3) (B5)
PLT4311 - Plants and Civilization (3) (B5)
RS3010 - Life Support Processes (3) (B5)
RS3020 - Global Regenerative Systems (3) (D4)
RS3030 - Organization for Regenerative Practices (3) (C3 or D4)

RS4140 - Current Applications in Regenerative Studies (2) and
RS4140L - Current Applications in Regenerative Studies Laboratory (1)

RS4500 - Sustainable Communities (3) (C3 or D4)
SOC3340 - Social Change and Social Movements (3)

Ethics and Policy of Science and Technology Electives

Select 2 courses from the following — 6 units

ABM3130 - Food and Agriculture Policy (3)
AG4010 - Ethical Issues in Food, Agricultural and Apparel Industries (3) (D4 or C3)
BIO3000 - Genetics and Human Issues (3) (B5)
BIO3040 - Environment and Society (3) (B5)
CS3750 - Computers and Society (3) (B5 or D4)
EC4435 - Environmental Economics (3)
EC4437 - Natural Resource Economics (3)
EC4441 - Industry Studies (3) (B5 or D4)
EGR4050 - Role of Design Professionals In Society (3) (D4)
FST3250 - Food Safety and Current Issues (3) (B5)
GEO4130 - Environmental Law (3)
GSC1100 - Water in a Changing World (3) (B1)

GSC3200 - Studies of a Blue Planet (3) (B5)
GSC3500 - Natural Disasters (3) (B5)
IME4030 - Fiscal Implications in Technical Decision Making (3) (B5 or D4)
NTR4450 - Nutrition and International Development (3)
PHL3330 - Bioethics (3) (B5 or C3)
PHL4300 - Ethics, Environment, and Society (3)
URP3340 - Policy Analysis for Planning (2)
URP4750 - Planning in a Global Economy (3) (D4)
URP4870 - Environmental Policy (3)

Other Requirements — 18-36 units

Qualifying Foundation in Science and Technology Electives — 18-36 units

A Qualifying Foundation in Science and Technology (i.e. a Major or Minor in Biological Sciences, Chemistry, Computer Science, Geological Sciences, Kinesiology and Health Promotion, Mathematics, Physics and Astronomy, or Statistics; a Major in Aerospace Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Industrial Engineering, Manufacturing Engineering, Mechanical Engineering, Electronic Systems Engineering Technology, Construction Engineering Technology, Electromechanical Systems Engineering Technology; a Minor in Energy Engineering, or Materials Engineering; a Major or Minor in Computer Information Systems; a Major or Minor in Animal and Veterinary Sciences, Food Science and Technology, Human Nutrition and Food Sciences, or Plant Sciences; the Environmental Health Specialist Minor; the Geographical Information Systems Minor; the Physiology Minor; or the Geography Major, with the Geographical Information Systems Option.)

Unrestricted Electives — 0-27 units

Select a sufficient number of courses so that the total from "Major Required Core", "Major Electives", "GE", and "Unrestricted Electives" is at least 120 units.

General Education Requirements — 48 Units

Students should consult the Academic Programs website

https://www.cpp.edu/~academic-programs/general-education-course-listings.shtml

for current information regarding this requirement. Unless specific courses are required, please refer to the list of approved courses under General Education Requirements, Areas A through E.

Area A. English Language Communication and Critical Thinking (9 units)
  1. Oral Communication
  2. Written Communication
  3. Critical Thinking

Area B. Scientific Inquiry and Quantitative Reasoning (12 units)
  1. Physical Sciences
  2. Life Sciences
  3. Laboratory Activity
  4. Mathematics/Quantitative Reasoning
  5. Science and Technology Synthesis

Area C. Arts and Humanities (12 units)
  1. Visual and Performing Arts
  2a. Philosophy and Civilization
  2b. Literature and Language Other than English
  3. Arts and Humanities Synthesis

Area D. Social Sciences (12 units)
  1. U.S. History and American Ideals
  2. U.S. Constitution and California Government
  3. Social Sciences: Principles, Methodologies, Value Systems, and Ethics
  4. Social Science Synthesis

Area E. Lifelong Learning and Self-Development (3 units)

Interdisciplinary General Education — 21 Units

An alternate pattern for partial fulfillment of GE Areas A, C, and D available for students is the Interdisciplinary General Education (IGE) program. Students should see an advisor for specific GE coursework required by their major. Please refer to the University Catalog General Education Program section for additional information.

How IGE fulfills General Education Requirements:

Year	Completion of IGE Courses	Satisfies GE Requirements
Freshman	IGE 1100, IGE 1200	A2 and C2b
Sophomore	IGE 2100, IGE 2200	C1 and C2a
Junior	IGE 2300, IGE 2400	D1 and D3
Senior	IGE 3100	C3 or D4

American Institutions — 6 Units

Courses that satisfy this requirement may also satisfy GE Area D1 and D2.

American Cultural Perspectives Requirement — 3 Units

Refer to the University Catalog General Education Program section for a list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.

Graduation Writing Test

All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the semester following completion of 60 units for undergraduates.