

PRE-HEALTH
General Flowchart Option (120 Units)
 Valid for Catalog Years: 2020/2021

Semester 1 Courses (Fall): Select One Course from Each Area Below	16 Units □
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- AREA A2: ENGL 10 [Engl. Category II only] (3) _____
- OR** **ENGL 5A [Engl. Category III and IV only] (3)¹ _____
- AREA A3: Select Any Course [Nursing: SOC 3/3S Recommended] (3) _____
- AREA B4: Select Any Course [All Options: MATH 11/11L Recommended] (3) _____
- AREA C1: Select Any Course (3) _____
- AREA C2: Select Any Course [Nursing – PHIL 20 Recommended] (3) _____
- HHS 18: Career Pathways in Health and Human Services (1) _____

Semester 2 Courses (Spring): Select One Course from Each Area Below	15-16 Units □
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- AREA A1: Select Any Course (3) _____
- AREA B1: Select **Major-Specific** Course from the following: (4-5) _____
- Any Course [Social Work] (4) _____
- CHEM 1A & CHEM 1AL [Exercise Science - Recommended] (5) _____
- CHEM 3A [Nursing, Exercise Science, & Community Health] (4) _____
- AREA C1/C2: Any Course (3) _____
- OR** **AREA A2: ENGL 5B [Engl. Category III and IV only] (3)¹ _____
- AREA D1: Select Any Course (3) _____
- HHS 100T: Career Pathways in Health and Human Services (2) _____

Semester 3 Courses (Fall): Select One Course from Each Area Below	15-16 Units □
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- AREA B2: Select **Major-Specific** Course (3-4) _____
- BIOL 1A [Exercise Science] (4) _____
- BIOL 10 [Social Work & Community Health] (4) _____
- BIOL 20N [Nursing ONLY] (Pre-Requisite: CHEM 3A) (4) _____
- AREA D2: Select Any Course (3) _____
- AREA D3: Select **Major-Specific** Course (3) _____
- Any Course [Community Health] (3) _____
- PSYCH 10 [Nursing & Exercise Science - Recommended] (3) _____
- ECON 25, ECON 40, or ECON 50 [Social Work] (3) _____
- AREA E: Select **Major-Specific** Course (3) _____
- PH 90 [Community Health & Social Work] (3) _____
- KINES 32 & Kinesiology Activity Course [Exercise Science] (3) _____
- CFS 38/NUTR 53 [Nursing] (3) _____
- **AREA C2: Any Course [Engl. Category III and IV only] [Nursing: PHIL 20 Recommended] (3)¹ _____
- OR** Major/Minor Elective Course (3) _____

Prospective Major(s): _____

Total Units Required in Pre-Major	46-48 units
Total Units Required in Major	42-69 units
Total Units Required in General Education	49 units

Updated: December 10, 2020

Advising Notes

1. Students who are English category III or IV and taking ENGL 5A and 5B should take GE C2 during their third semester.
2. During Semester 3 students will apply to their top 2 majors of the 4 options. Students will be notified of acceptance prior to registration for the Spring semester.
3. GE courses should be taken in anticipation of the preferred major. Courses taken within Pre-Health may be used toward general education requirements or a minor.
4. The completion of all Pre-Health required courses and a minimum cumulative GPA of 3.0 is required to maintain enrollment in the Pre-Health major. Students who do not meet these requirements will be transitioned to undeclared.

PRE-HEALTH General Flowchart Option (120 Units) Valid for Catalog Years: 2020/2021

For assistance or to schedule an advising appointment, please contact the **CHHS Advising and Career Development Center:** 559-278-5027, McLane Hall 194

Student Name: _____

Student ID: _____

Catalog Year: _____

	Year 1 (Freshman)		Year 2 (Sophomore)		Year 3 (Junior)			Year 4 (Senior)	
	<i>Fall</i>	<i>Spring</i>	<i>Fall</i>	<i>Spring</i>	<i>Fall</i>	<i>Spring</i>	<i>Fall</i>	<i>Spring</i>	
Units	16 Units	15 Units	15 Units	15 Units	15 Units	15 Units	15 Units	15 Units	15 Units
Major	<i>GE Area A2</i>	<i>GE Area C1/C2¹ OR ENGL 5B</i>	<i>GE Area B2</i>	TRANSITION FROM PRE-HEALTH INTO OFFICIAL MAJOR	<i>Major Course</i>	<i>Major Course</i>	<i>Major Course</i>	<i>Major Course</i>	<i>Major Course</i>
	<i>GE Area A3</i>	<i>GE Area A1</i>	<i>GE Area D2</i>		<i>Major Course</i>	<i>Major Course</i>	<i>Major Course</i>	<i>Major Course</i>	<i>Major Course</i>
	<i>GE Area B4</i>	<i>GE Area B1</i>	<i>GE Area D3</i>		<i>Upper Division GE</i>	<i>Major Course</i>	<i>Major Course</i>	<i>Major Course</i>	<i>Major Course</i>
	<i>GE Area C1</i>	<i>GE Area D1</i>	<i>GE Area E</i>		<i>General Elective</i>	<i>Upper Division GE</i>	<i>Upper Division GE</i>	<i>Major Course</i>	<i>General Elective</i>
	<i>GE Area C2</i>	HHS 100T	<i>GE Area C2¹ OR Elective</i>		<i>General Elective</i>	<i>UDWS (W Course or Exam)</i>	<i>Multicultural International</i>	<i>General Elective</i>	<i>General Elective</i>
	HHS 18								
Milestones	<i>HHS 18 Completed</i>	<i>HHS 100T Completed</i>	Apply for Top 2 Majors²	<i>Begin Major Courses</i>				Apply for Graduation	

Semester 1 Courses:

Semester 2 Courses:

Semester 3 Courses:

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3. GE courses should be taken in anticipation of the preferred major. Courses taken within Pre-Health may be used toward general education requirements or a minor
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2020-2021 PRE- HEALTH GENERAL EDUCATION (G.E.) REQUIREMENTS

NOTES: **A minimum of 49 G.E. units are required.** All classes are three or more semester units.
Engineering and Liberal Studies majors complete a different G.E. pattern--consult department advisor.

◆ FOUNDATION

Four courses: One in A1, one in A2, one in A3, & one in B4 for a minimum of 12 units.
FOUNDATION courses must be satisfied with a minimum "C" grade.

Area A - Fundamental Skills and Knowledge

- A1 Oral Communication:** Communication 3, 7, 8
A2 Written Communication: (Prerequisite for English 5B is passing 5A) English 5B, 10
A3 Critical Thinking: Africana Studies 20; Anthropology 30; Chicano & Latin American Studies 30; College of Science & Math 10; Communication 5; Computer Science 1; Geography 25; Interdisciplinary 50; Natural Science 4; Philosophy 25, 45; **Sociology 3, 3S (Nursing); Women's Studies 12**
B4 Quantitative Reasoning: (Co-requisite or prerequisite Math courses may be required. Check with advisors) Criminology 50, Decision Sciences 71, 72; **Mathematics 11, 11L (All Options), 6, 45, 45L, 70, 75, 75A**

Course/Units/Grade

A1 _____
 A2 _____
 A3 _____
 B4 _____

◆ BREADTH

Area B - Physical Universe and Its Life Forms

- Two courses: One in B1 and one in B2--see above for B4
B1 Physical Sciences: (Prerequisite: Completion of B4) **Chemistry 1A & 1AL (Exercise Science - Recommended), 3A (Nursing & Community Health), 10;** Earth & Environmental Sciences 1, 1V, 4; Physical Science 21; Physics 2A, 4A & 4AL, 10
B2 Life Sciences: Biology 1A (Exercise Science), 10, 11, 12, 20 (Nursing ONLY)
B3 Laboratory Component: B1 or B2 must have a lab (All B1 and B2 courses taken at Fresno State have a mandatory lab component.)

B1 _____
 B2 _____
 B3 _____

Area C - Arts and Humanities

- Three courses: One in C1, one in C2, and a third from C1 or C2
C1 Arts: Armenian Studies 20; Art 1, 20, 40, 50; Art History 10, 11, 12; Chicano & Latin American Studies 9; Drama 22, 62; English 41, 43, 44; Media, Communications and Journalism 9; Music 9 (not for music majors), 9A, 74, 75
C2 Humanities: Arabic 1A, 1B; Armenian 1A, 1B, 2A; Chinese 1A, 1B; Communicative Sciences & Deaf Studies 90, 92; English 20, 30; French 1B, 2A, 2B; German 1B, 2A, 2B; Greek 1A, 1B; Hebrew 1A, 1B; Humanities 10, 11, 15, 20; Italian 1A, 1B, 2A, 2B; Japanese 1A, 1B; Latin 1A, 1B; Linguistics 10; Persian 1A, 1B; **Philosophy 20 (Nursing), 1, 2, 10;** Portuguese 1A, 1B; Spanish 1B, 2A, 2B, 3, 4A, 4B

C1 _____
 C2 _____
 C1 or
 C2 _____

Area D - Social, Political & Economic Institutions & Behavior, Historical Background

- One course in each sub-area (Prerequisite: GE Foundation A2 for students in English college-readiness Category III and IV)
D1 American History: History 11, 12
D2 American Government: Political Science 2
D3 Social Science: Africana Studies 10, 15, 27; Agricultural Business 1; American Indian Studies 50; Anthropology 2, 3; Armenian Studies 10; Asian American Studies 15; Child & Family Studies 31; Chicano & Latin American Studies 3, 5; Communicative Sciences & Deaf Studies 98; Criminology 10; **Economics 25, 40, 50 (Social Work);** Geography 2, 4, 81; History 20, 21; Industrial Technology 20; Jewish Studies 10; Media, Communications and Journalism 1; Middle East Studies 10; Political Science 1; **Psychology 10 (Nursing & Exercise Science - Recommended);** Sociology 1 or 1S; Women's Studies 10

D1 _____
 D2 _____
 D3 _____

Area E - Lifelong Understanding and Self-Development One course

- E Lifelong Understanding & Self-Development:** Animal Science 67; Art 13; Child & Family Studies **38 (Nursing), 39;** College of Science & Math 15; Dance 16, 70; Drama 32; Finance 30; Gerontology 10S, 18, 111; **Kinesiology 32 & concurrent enrollment in any KAC (Exercise Science);** Linguistics 30; **Nutrition 53 (Nursing),** Peace and Conflict Studies 110; Psychology 61; **Public Health 90 (Community Health + Social Work),** 91, 110; Recreation Administration 80; University 1; Women's Studies 18

E _____

UPPER DIVISION G.E. CONSISTS OF 9 UNITS

IB, IC, and ID courses can be taken no sooner than the term in which 60 units of coursework are completed.

◆ INTEGRATION Three upper division courses--one in each area

- IB Physical Universe and Its Life Forms:** (Prerequisite: Completion of FOUNDATION and Area B)
 Anthropology 161; Chemistry 170; Computer Science 100; Earth & Environmental Sciences 112, 167, 168; Geography 115, 128, 129; Natural Science 115, 120, 121, 125; Physical Science 131, 168; Physics 100; Plant Science 105; Public Health 161; Sociology 158
IC Arts and Humanities: (Prerequisite: Completion of FOUNDATION and Area C)
 Africana Studies 129; Armenian 148; Art 102; Arts & Humanity 105; Chicano & Latin American Studies 130; Dance 171; Drama 163; English 101, 102, 103, 112, 113, 114, 174; French 109, 149; Humanities 104, 108, 110, 118, 129; Interdisciplinary Art Studies 108; Linguistics 115, 130, 138; Music 170A, 171, 187; Philosophy 120, 150, 151; Spanish 125, 129
ID Social, Political and Economic Institutions and Behavior, Historical Background:
 (Prerequisite: Completion of FOUNDATION and Area D)
 Africana Studies 144; Agricultural Business 155; American Indian Studies 103; Anthropology 116W, 145; Chicano & Latin American Studies 114, 115; Construction Management 124; Criminology 101, 120, 120S; Economics 146, 167, 176, 183; Forensic Behavioral Sciences 153; Geography 133, 173, 184; Gerontology 100; History 101, 154; Jewish Studies 154; Kinesiology 111; Media, Communications and Journalism 175, 178; Peace and Conflict Studies 100; Social Science 110; Sociology 131, 143, 163; Women's Studies 101, 124, 149

IB _____
 IC _____
 ID _____

TOTAL UNITS _____

Pre-Health Graduation Requirements

PLANNING YOUR DEGREE

- ❑ **Meet with an Academic Counselor to complete a My Degree Plan (roadmap)**
- ❑ **Units per semester to graduate:**
4 years: 15 units x 8 semesters = 120 units
5 years: 12 units x 10 semesters = 120 units
- ❑ **Complete your upper-division writing skills during your junior year (60-90 units)**
- ❑ **Complete your Application for Degree & pay the fee during the first four weeks of your final semester**

- **120 unit minimum - comprised of:**
 - 49 General Education (or modified version per Major)
 - Major
 - Electives if needed to reach 120 units (minor/certificate/other)
- **3.00 GPA in:**
 - Major
 - Campus units
 - Cumulative units
- **Specific course requirements:**
 - English Composition (English 5A & 5B, 10 or equivalent)
 - US History (History 11, 12 or equivalent)
 - US and California Constitution (Political Science 2, 102 or equivalent)
 - Multicultural/International course

Multicultural/International courses

Africana Studies **150, 164**; Anthropology **105W, 120, 123, 125**; Asian American **110**; Business Administration **104**; Chicano & Latin American Studies **160, 170**; Communication **164**; Communicative Sciences & Deaf Studies **139**; Economics **181**; Geography **167**; Gerontology **161**; History **186**; Humanities **105, 140**; Interdisciplinary Capstone **177, 188S**; Linguistics **147**; Media, Communications and Journalism **176, 179**; Marketing **100S**; Nursing **141, 141LS**; Public Health **104, 128S**; Philosophy **131,132**; Political Science **120**; Recreation Administration **130**; Sociology **111, 142**; Social Science **180**; Social Work **136**; Women's Studies **110, 120/120S, 135**;

- **Writing Skills Requirement:**
 - Upper-division writing skills (exam or course with a "W")

W courses

Africana Studies **104W**; Agricultural Business **170SW**; Anthropology **105W, 116W, 126W**; Asian American Studies **151W**; Aerospace Studies **105AW*, 105BW**; Business Administration **105W**; Chemistry **161W**; Chicano & Latin American Studies **102W**; Child and Family Science **130W***; Economics **102W**; Earth and Environmental Sciences **104W, 135W**; English **106W, 115W, 117W*, 160W, 170W**; Engineering **105W***; Health & Human Services **116W**; History **100W***; Industrial Technology **198W**; Jewish Studies **100W**; LEE **180W**; Linguistics **110W*, 111W**; Media, Communications and Journalism **102W*, 114W***; Philosophy **125W, 133W**; Plant Science **110W**; Sociology **130W/WS**;

Note: a few majors require a specific "W" course; see catalog requirement for your major

*Enrollment may be restricted or have additional prerequisites. Check the course description in the catalog or my.fresnostate.edu.

- **Fresno State Residency unit minimums:**
 - 30 units
 - 24 upper-division units
 - 12 units in major
 - 9 General Education units