

**GENERAL EDUCATION PATTERN I**  
 (For Pattern I course descriptions, see page 183)

	<i>Units</i>
<b>Natural Science</b>	12
Fundamental concepts and principles in the physical sciences	6
Select any two courses: Phys. Sci. 10a, Phys. Sci. 10b, Geol. 1	
Alternatives: Physics 2a-2aL or 4a-4aL may be substituted for Phys. Sci. 10a; Chem. 1a or 2a for Phys. Sci. 10b.	
Fundamental concepts and principles in the biological sciences	6
Biol. 2a-b	
Alternatives: Biol. 1a-b; Zool. 1 and Bot. 1; Biol. 1a and Zool. 1; Biol. 1b and Bot. 1; Physiol. 1 or 20 and Biol. 1a or Bot. 1.	
<b>Interdivisional Courses</b>	18
(Groups E, F, and G must be taken in the sequence indicated. Students who have credit in one course of a pair but not in the other should consult the Coordinator of General Education for program adjustments.)	
Group E. Psychology, Language and Logic	6
Psych. 7 and Philos. 3 taken concurrently.	
Group F. American Studies—History, Composition and Reading	6
Soc. Sci. 3a and Engl. 4 taken concurrently.	
Alternative: Hist. 8a-b may be substituted for Soc. Sci. 3a in Group F.	
Group G. American Studies—Government and Oral Communication	6
Soc. Sci. 3b and Speech 21 taken concurrently.	
Alternative: Pol. Sci. 1a-b and Speech 24 may be substituted for the Group G requirement.	
<b>Additional Requirements</b>	15
Hist. 1	3
Engl. 1b	3
Alternative: Other appropriate literature courses may be substituted.	
Hlth. Ed. 90 or equivalent (including fire prevention)*	2
Physical Education Activity †	4
(Not more than one physical education activity course per semester may count on this requirement.)	
Electives from anthropology, economics, geography, or sociology	3
Electives in the Fine Arts, Foreign Language, or Mathematics	0-3
Majors in the biological sciences, social sciences, chemistry, physics, geology, or English, instead of duplicating major courses for general education will be permitted to count 3 units in the major area as meeting the general education content requirement and to complete the unit requirement with a minimum of 3 units in fine arts, foreign language, or mathematics. (See <i>Special Course Requirements</i> , page 64.)	
<b>Total</b>	<b>45</b>

\* Students having had a health education course which did not include fire prevention, can meet the fire prevention requirement by special arrangement with the chairman of the Health Education Department (or by Hlth. Ed. 105). This should be arranged during the student's first semester at the college.

† The physical education requirement may be waived only on request for students who have a medical excuse from the college physician, or who are 25 years of age or older. Requests should be filed in the Counseling Office. Basic air science (4 semesters) may be substituted for physical education requirement.