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IDENTIFIERS \*Course Taking Patterns; \*Hawaii

ABSTRACT

In fall 1981, a study was conducted in Hawaii's community colleges to determine the course-taking patterns of different groups of student majors (e.g., the proportion of the liberal arts major's academic load that is taken in the humanities, natural sciences, etc.), and the client-serving patterns of different subject disciplines (e.g., the proportion of the student semester hours (SSH's) in the humanities generated by liberal arts majors, business majors, etc.). Study findings, based on the computerized registration reports for the 20,949 students enrolled in fall 1981, included the following: (1) course-taking and client-serving patterns had remained fairly stable over the past 5 years; (2) associate in arts students took 88% of their courses in general education, while associate in science students took 55% of their work in vocational education; (3) while liberal arts majors remained the largest consumers of general education courses, since 1977 proportionately more SSH's in general education have been taken by vocational education and unclassified students; (4) the proportion of SSH's in general education was 64% of total SSH's; (5) liberal arts majors took 88% of their work in general education courses, while vocational majors took 57% of their work in vocational education courses. The bulk of the report consists of data tables detailing SSH's by student objective and major, course level, and department, for the community college system as a whole and for each college. (HB)

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ED233747

ACADEMIC CROSSOVER STUDY  
COMMUNITY COLLEGES  
FALL 1981

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JC 820 182

OFFICE OF INSTITUTIONAL RESEARCH & ANALYSIS  
UNIVERSITY OF HAWAII  
APRIL 1982

ACADEMIC CROSSOVER STUDY  
COMMUNITY COLLEGES  
FALL 1981

The academic crossover study report was developed primarily to answer two questions: (1) what is the course-taking pattern of the different groups of student majors? e.g., what proportion of the liberal arts majors' academic load is in the humanities? in the natural sciences? in vocational courses? (2) what is the "client"-serving pattern of the different subject disciplines? e.g., what proportion of the student semester hours in the humanities is generated by liberal arts majors? business majors? health services majors?

Such information has been found especially helpful for physical facilities planning, for estimating staffing needs and for academic planning, in general.

#### Sources of Data

Computer reports 2524B, C, D, based upon the student registrations as of October 10, 1981, were used as the primary sources of data. Included in this report are the student semester hours (SSH) generated by early admits and concurrent students as well as by regular credit students. For this reason, the total SSH reflected in this report differ from those cited in the fall enrollment report. (That report cites the SSH of regular students only.)

#### Highlights

The data show that the course-taking, client-serving patterns have generally remained stable over the past five years.

#### I. What is the course-taking pattern of students?

##### A. By educational objective (Table 1):

1. Certificate of Completion students took 51 percent of their work in general education courses; Certificate of Achievement students, 68 percent in vocational courses; Associate in Arts (A.A.) students, 88 percent in general education courses; Associate in Science (A.S.) students, 55 percent in vocational courses; and "other" students (special and unclassified), 66 percent in general education.
2. Certificate of Completion, Certificate of Achievement and A.S. students took 85, 84 and 66 percents, respectively, of their work in courses numbered below 100. A.A. and "other" students are taking 75 and 57 percents, respectively, of their work in courses numbered 100 and over.

B. By majors (Table 2 and Chart 1) (see Appendix A for major groupings):

1. Liberal arts majors continued to take the bulk of their work (88 percent) in general education courses (as compared with 87-88 percent in previous semesters).
2. Vocational majors continued to take most of their work (57 percent) in vocational education courses (as compared with 59-63 percent in previous semesters).
3. Unclassified students continued to take two-thirds of their work in general education.

II. What groups of student majors do the different "departments" serve? (Table 2, Chart 2):

- A. General Education Courses: As in the past years, liberal arts majors were the largest consumers of general education courses (58 percent). However, in recent years, proportionately more of the student semester hours in general education courses have been generated by vocational education and unclassified students.
- B. Vocational Courses: Vocational students continued to generate the bulk of the vocational SSH (77 percent), followed by liberal arts majors (14 percent) and unclassified students (8 percent).

III. Other observations:

- A. As in the past years, the proportion of SSH generated in the general education area was slightly less than two-thirds (64 percent) of the total. The range was from 55 percent at Maui Community College to 83 percent at Windward Community College. Thirty-one percent of all SSH generated was in the humanities.
- B. Slightly over half of the SSH was generated in courses numbered over 100. Seventy-five percent of the SSH of liberal arts students was in courses numbered over 100; 69 percent of the vocational students' credits was in courses numbered below 100.
- C. Almost 60 percent of all SSH generated in courses numbered below 100 was in vocational education courses (57,284 of 96,616 SSH).
- D. Over 81 percent of the SSH taken by early admits was in general education courses. The 639 SSH attributed to early admits comprised 0.3 percent of total SSH.
- E. Two-thirds of the 116 SSH taken by concurrent registrants was in general education courses.







TABLE 2 (CONTINUED)

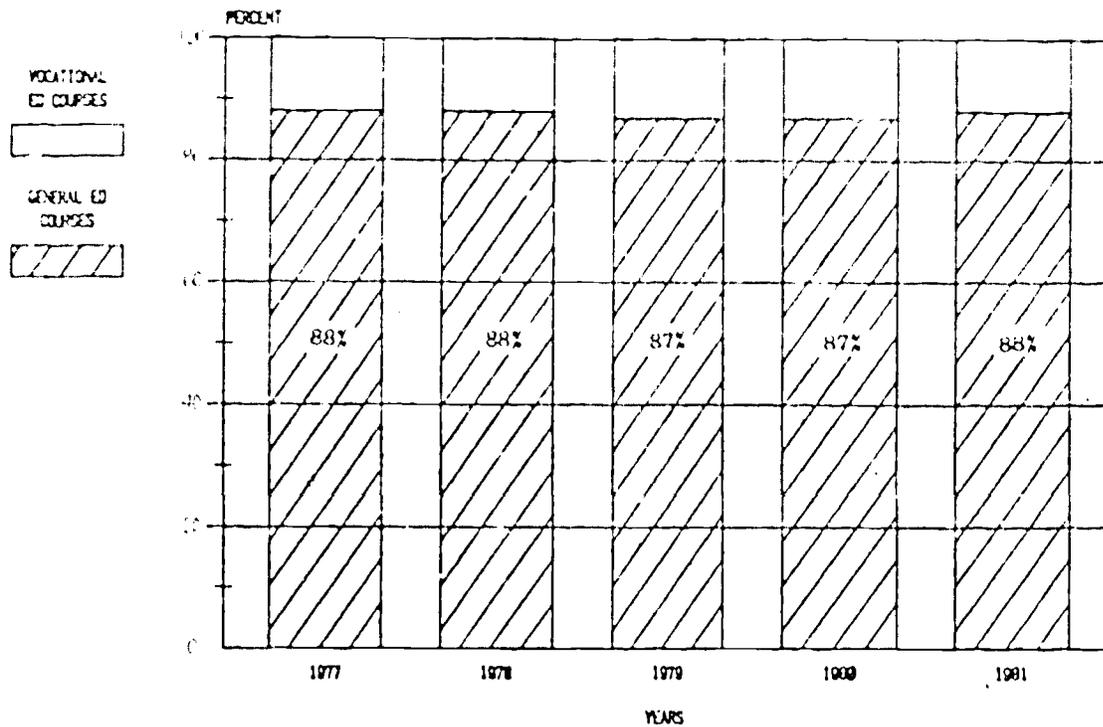
COURSE AREA	*****SPECIAL*****					
	EARLY ADMIT			CONCURRENT REG		
	STUDENTS	115		STUDENTS	27	
	SEM HRS	VX	HX	SEM HRS	VX	HX
GRAND TOTAL	639	100	0	116	100	0
COURSE NO 000--099	165	26	0	30	26	0
COURSE NO 100--299	474	74	0	86	74	0
COURSE NO 100--199	365	57	0	42	36	0
COURSE NO 200--299	109	17	0	44	38	0
GEN & PRE-PROF	520	81	0	70	67	0
HUMANITIES	261	41	0	21	18	0
NATURAL SCIENCES	195	31	1	45	39	0
SOCIAL SCIENCES	53	8	0	12	10	0
OTHER GENERAL EDUC	11	2	0	0	0	0
VOCATIONAL EDUCATION	119	19	0	38	33	0
BUSINESS	32	5	0	10	9	0
HOTEL & RESTAURANT	3	0	0	0	0	0
HEALTH SERVICES	8	1	0	0	0	0
PUBLIC SERVICES	3	0	0	19	16	0
TECHNOLOGY	73	11	0	9	8	0
OTHER VOCATIONAL	0	0	0	0	0	0
NO DATA	0	0	0	0	0	0

# DISTRIBUTION OF SSH, BY MAJORS

COMMUNITY COLLEGES\*

FALL 1977 TO 1981

LIBERAL  
ARTS  
MAJORS:  
What courses  
did they take?



VOCATIONAL  
EDUCATION  
MAJORS:  
What courses  
did they take?

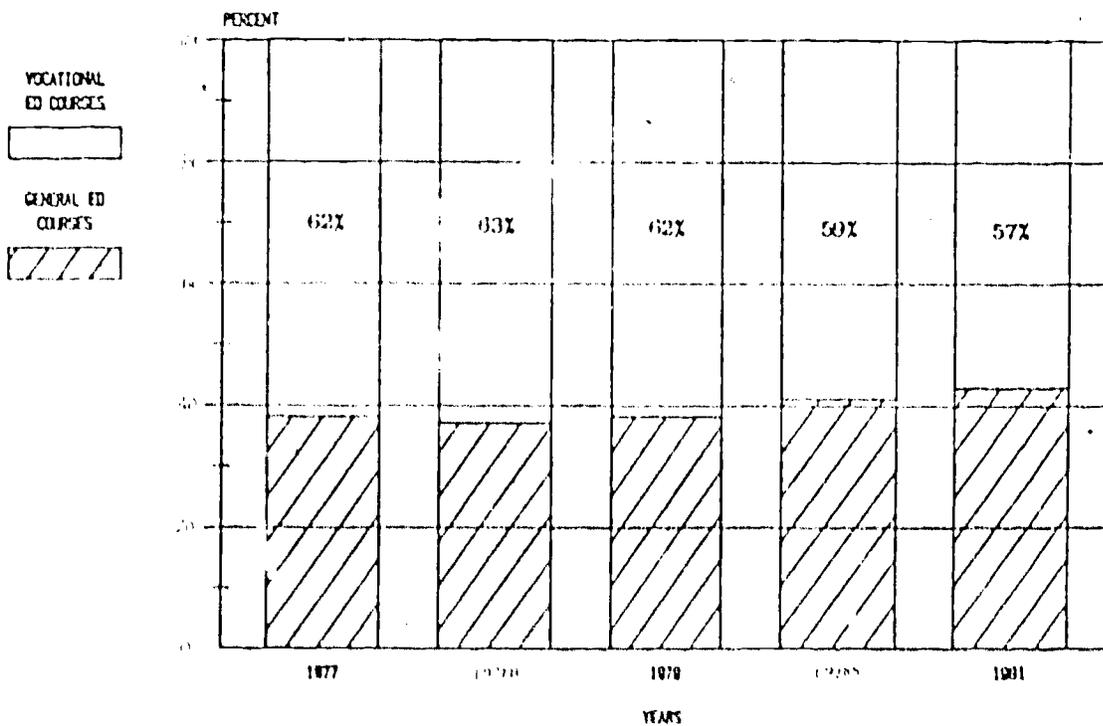
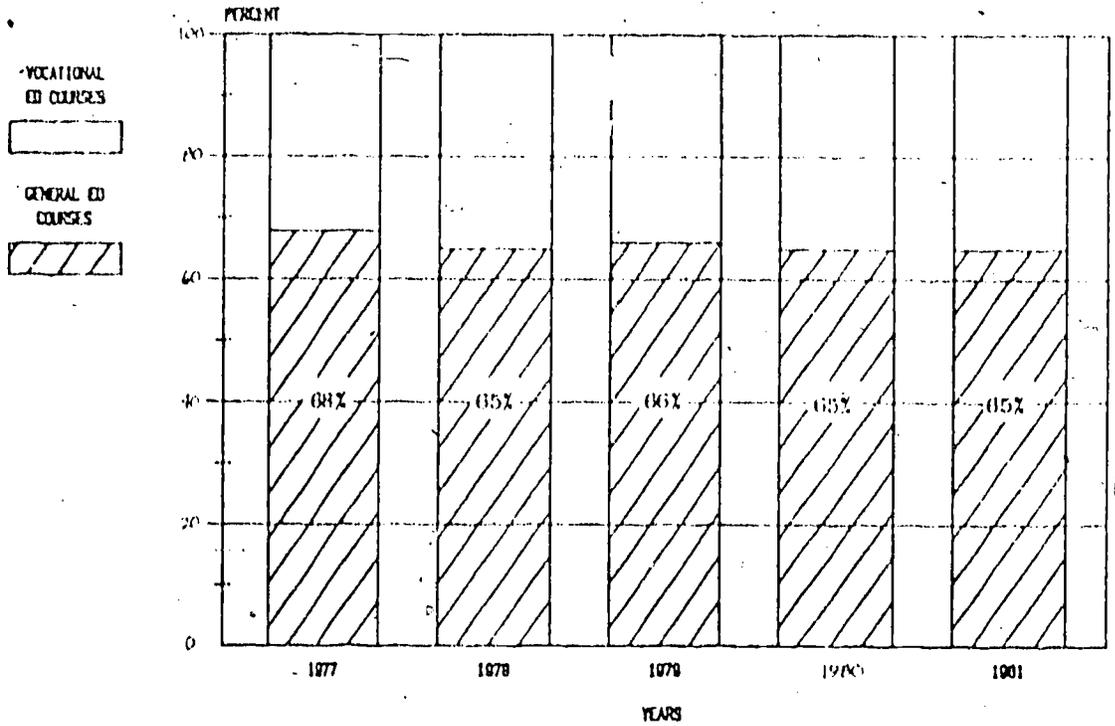


CHART 1 (CONTINUED)  
 DISTRIBUTION OF SSH. BY MAJORS

COMMUNITY COLLEGES\*

FALL 1977 TO FALL 1981

UNCLASSIFIED  
 STUDENTS:  
 What courses  
 did they take?



\*Prior to Fall 1980 includes Hawaii Community College

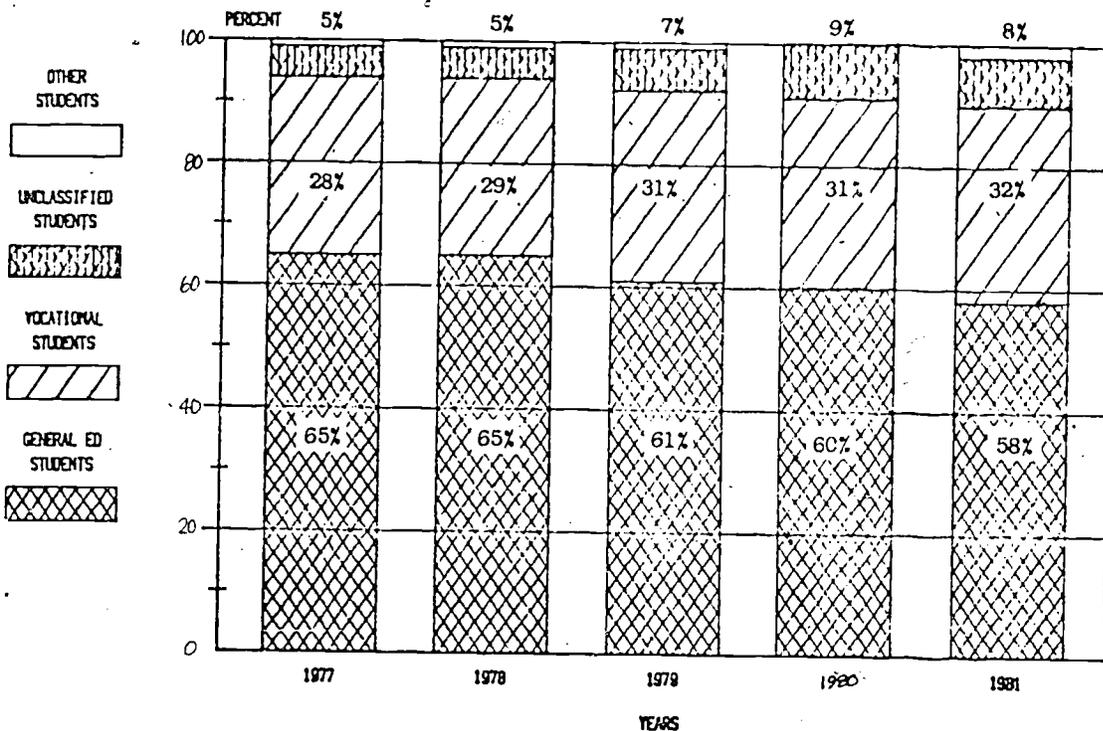
# CHART 2 DISTRIBUTION OF SSH, BY COURSE AREA AND MAJORS

COMMUNITY COLLEGES\*

FALL 1977 TO FALL 1981

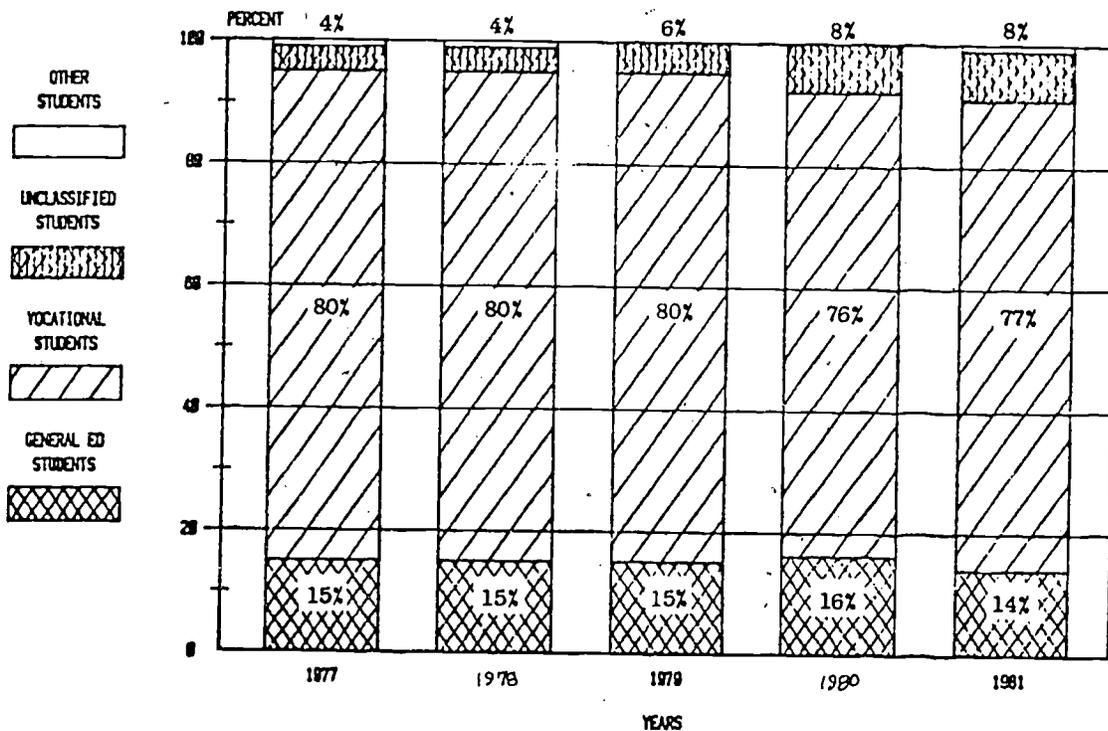
## GENERAL EDUCATION COURSES:

What were the  
proportions taken by  
different majors?



## VOCATIONAL EDUCATION COURSES:

What were the  
proportions taken by  
different majors?



COURSE, AREA/LEVEL

TOTAL ..... 5



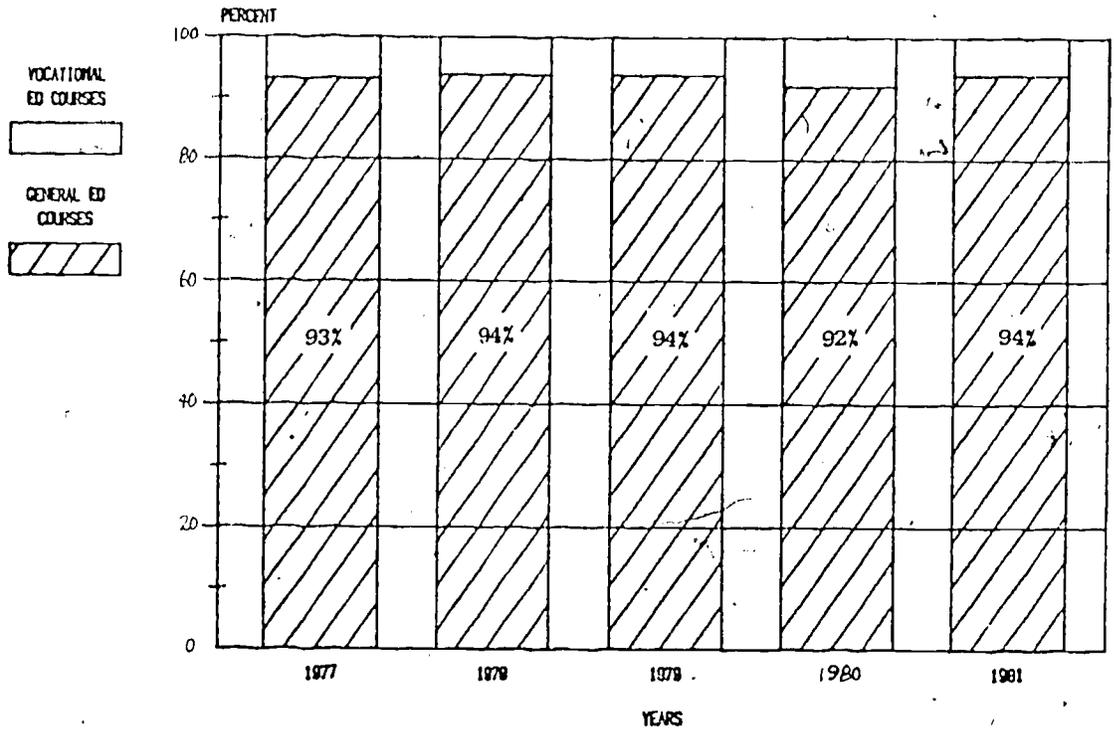


CHART 1A  
DISTRIBUTION OF SSH, BY MAJORS

HONOLULU COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

LIBERAL  
ARTS  
MAJORS:  
What courses  
did they take?



VOCATIONAL  
EDUCATION  
MAJORS:  
What courses  
did they take?

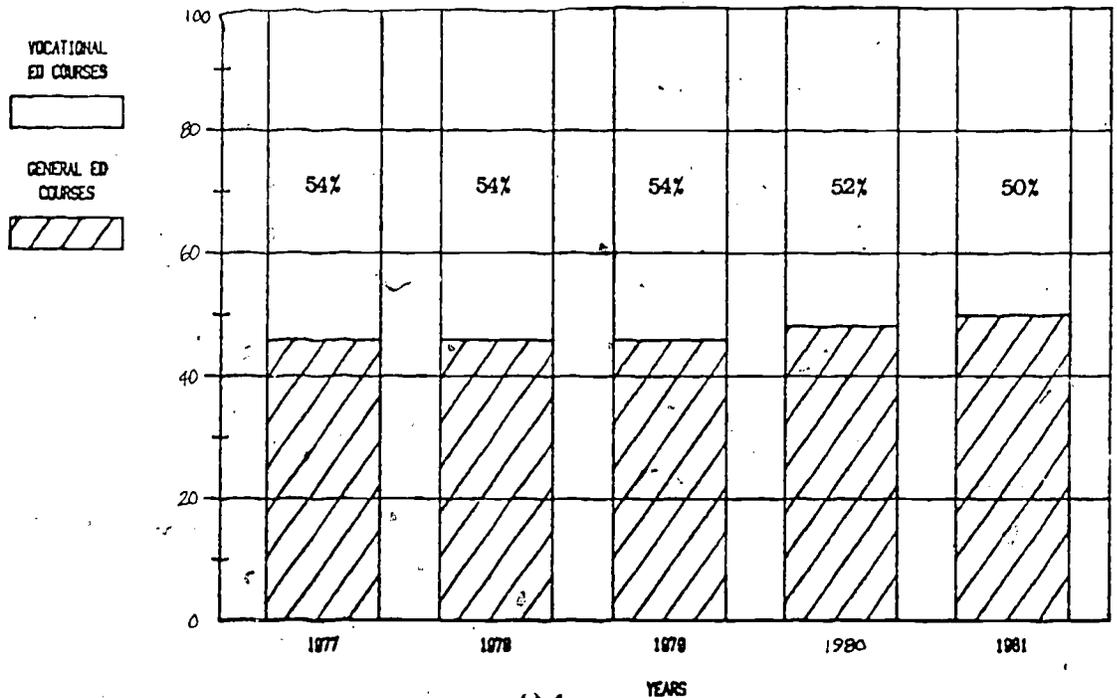
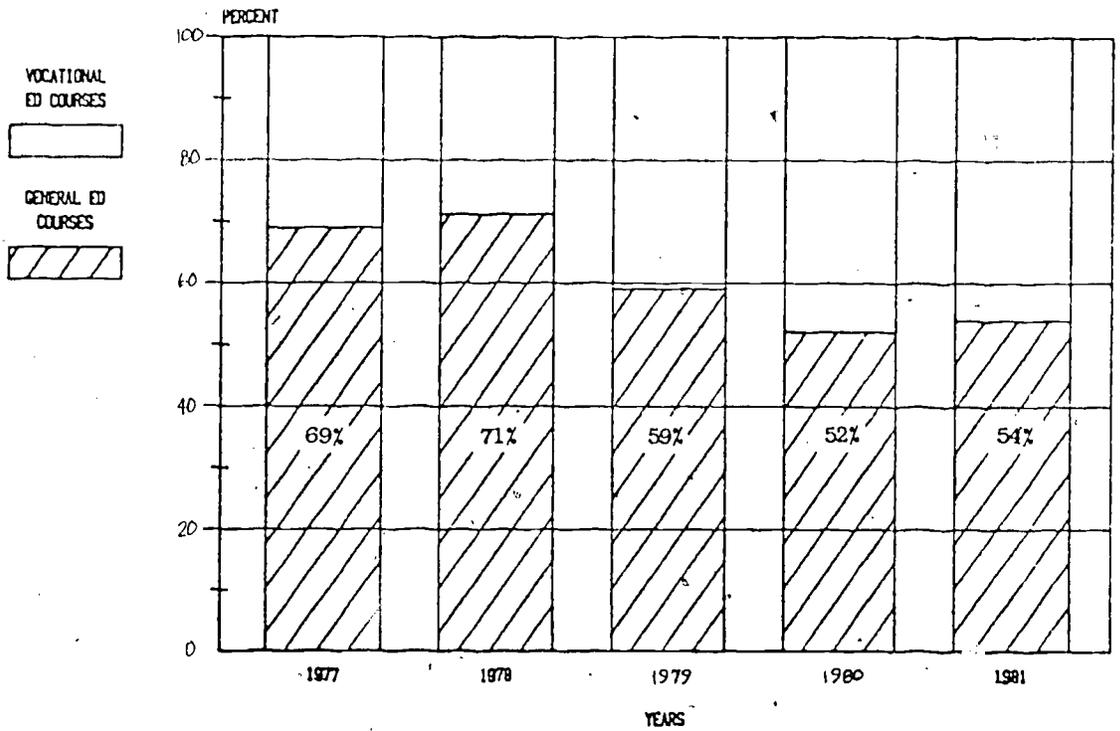


CHART 1A (CONTINUED)  
 DISTRIBUTION OF SSH, BY MAJORS

HONOLULU COMMUNITY COLLEGE

FALL 1977 TO 1981

UNCLASSIFIED  
 STUDENTS:  
 What courses  
 did they take?



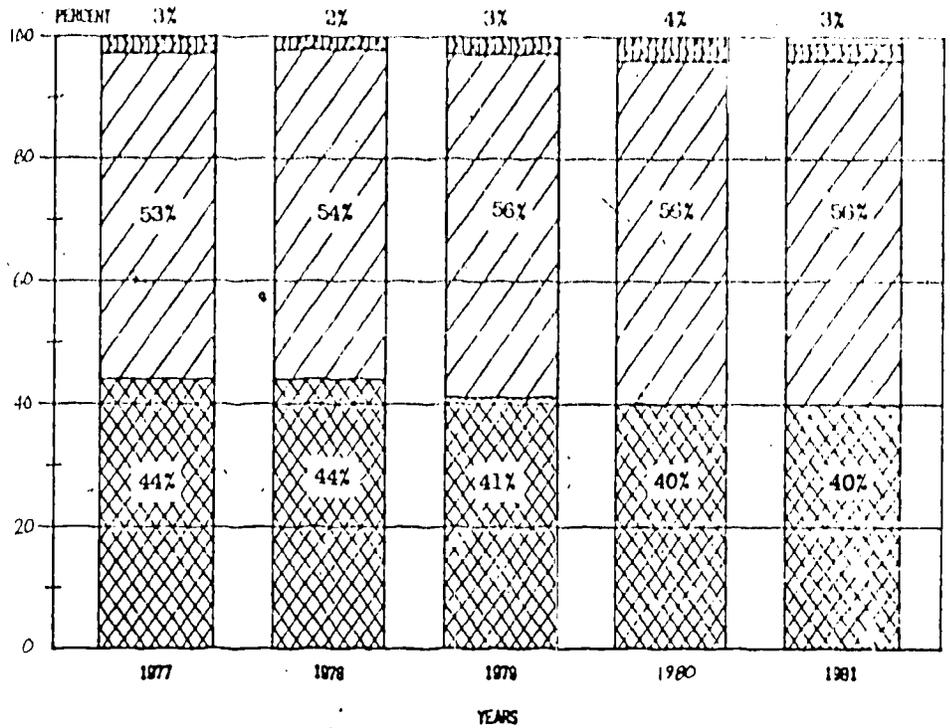
# CHART 2A DISTRIBUTION OF SSI, BY COURSE AREA AND MAJORS

HONOLULU COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

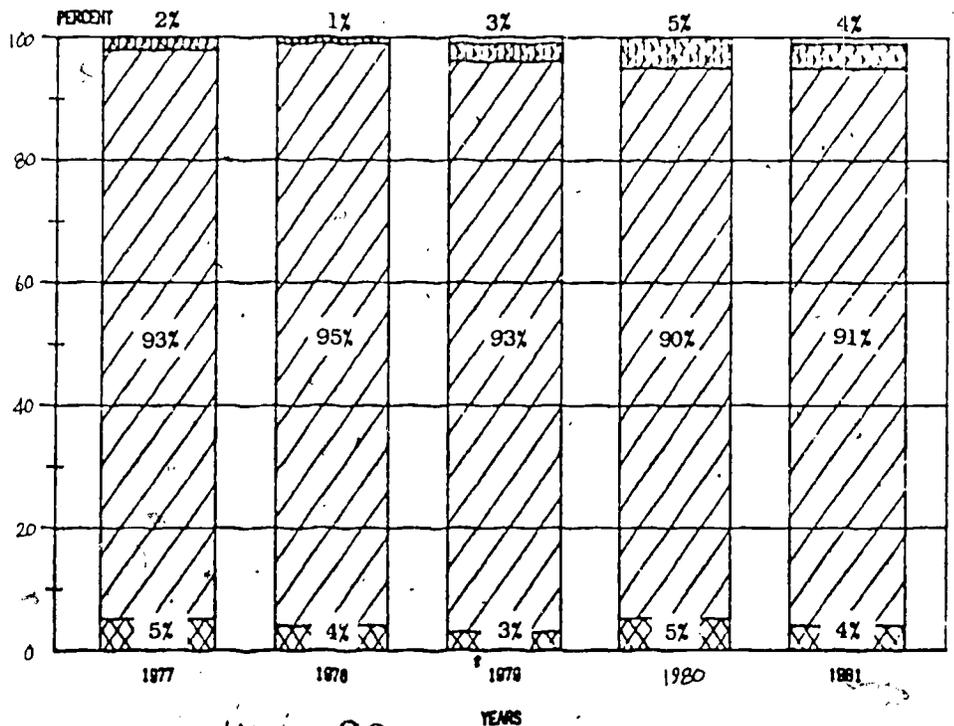
### GENERAL EDUCATION COURSES:

What were the proportions taken by different majors?



### VOCATIONAL EDUCATION COURSES:

What were the proportions taken by different majors?



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**COURSE AREA/LEVEL**



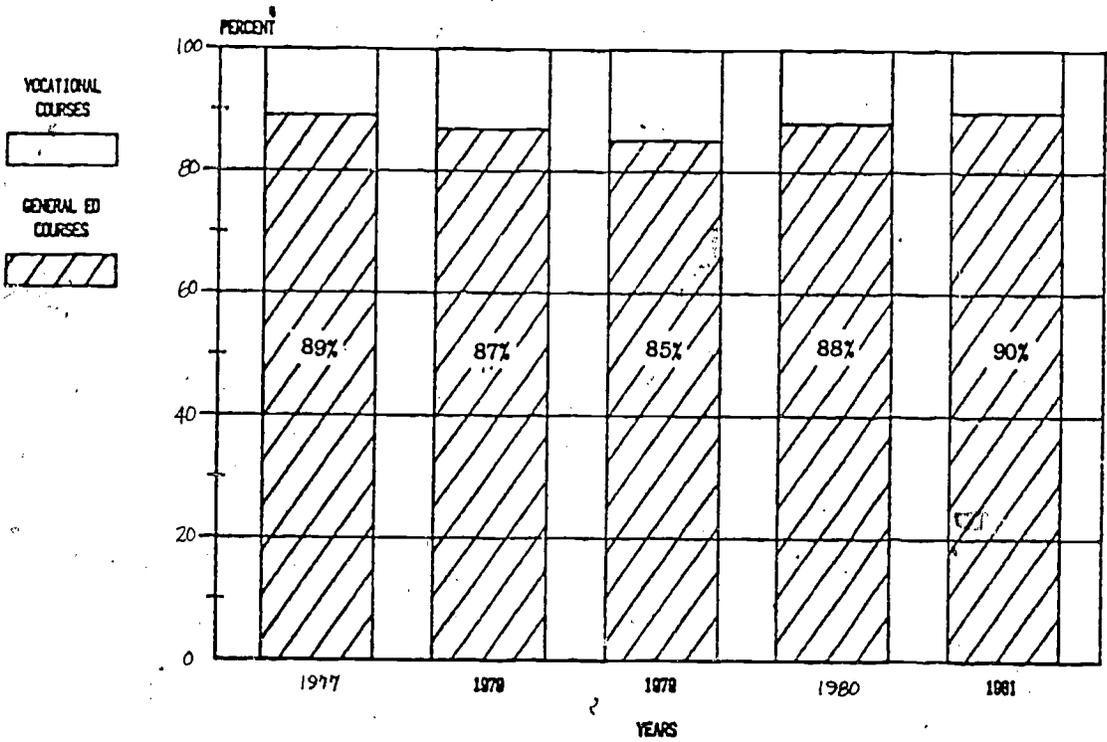


CHART 1B  
 DISTRIBUTION OF SSH, BY MAJORS

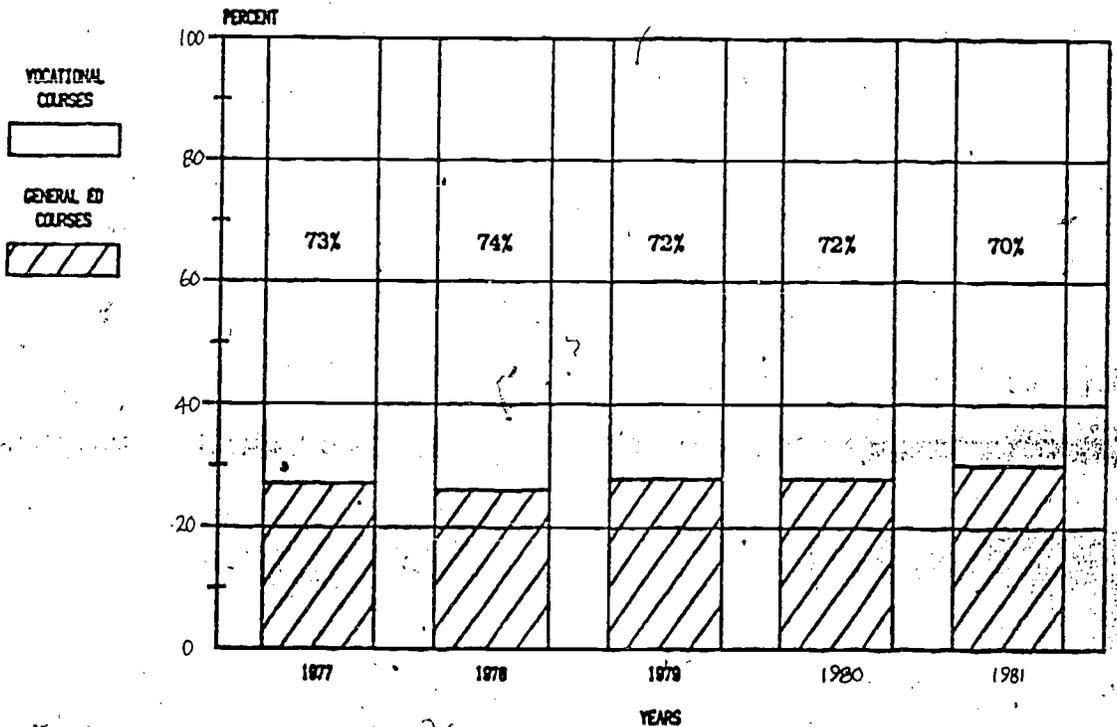
KAPIOLANI COMMUNITY COLLEGE

FALL 1977 TO 1981

LIBERAL  
 ARTS  
 MAJORS:  
 What courses  
 did they take?



VOCATIONAL  
 EDUCATION  
 MAJORS:  
 What courses  
 did they take?



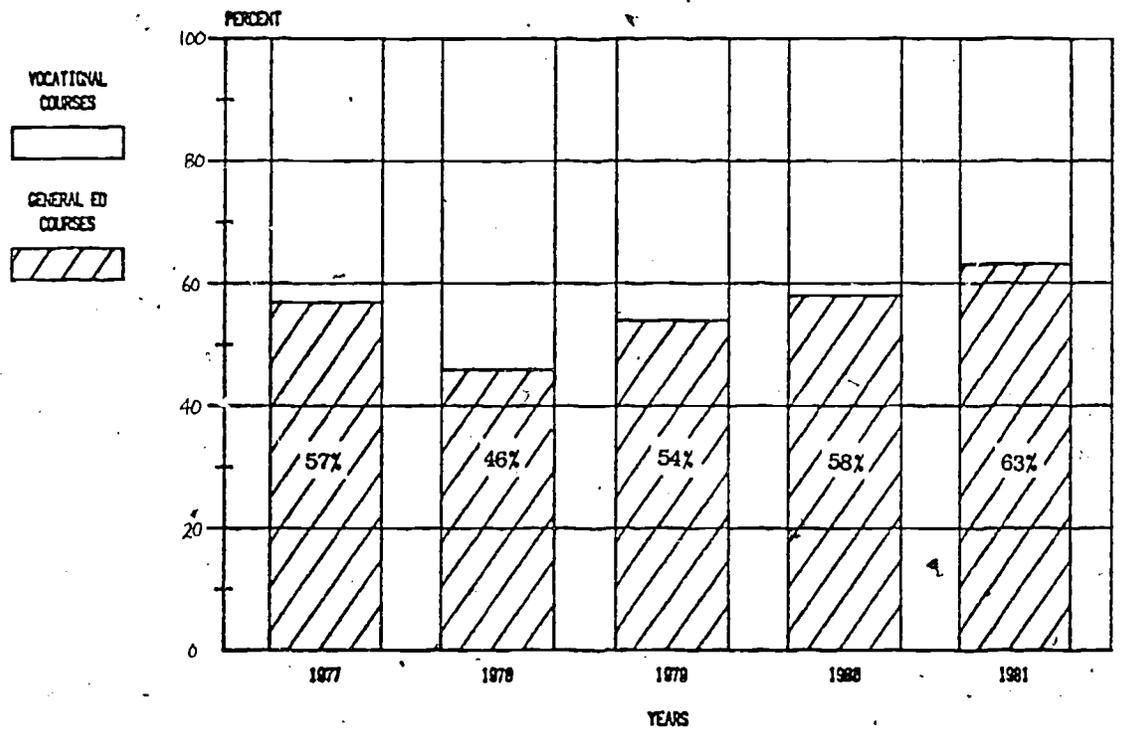
1930

CHART 1B (CONTINUED)  
 DISTRIBUTION OF SSH, BY MAJORS

KAPIOLANI COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

UNCLASSIFIED  
 STUDENTS:  
 What courses  
 did they take?



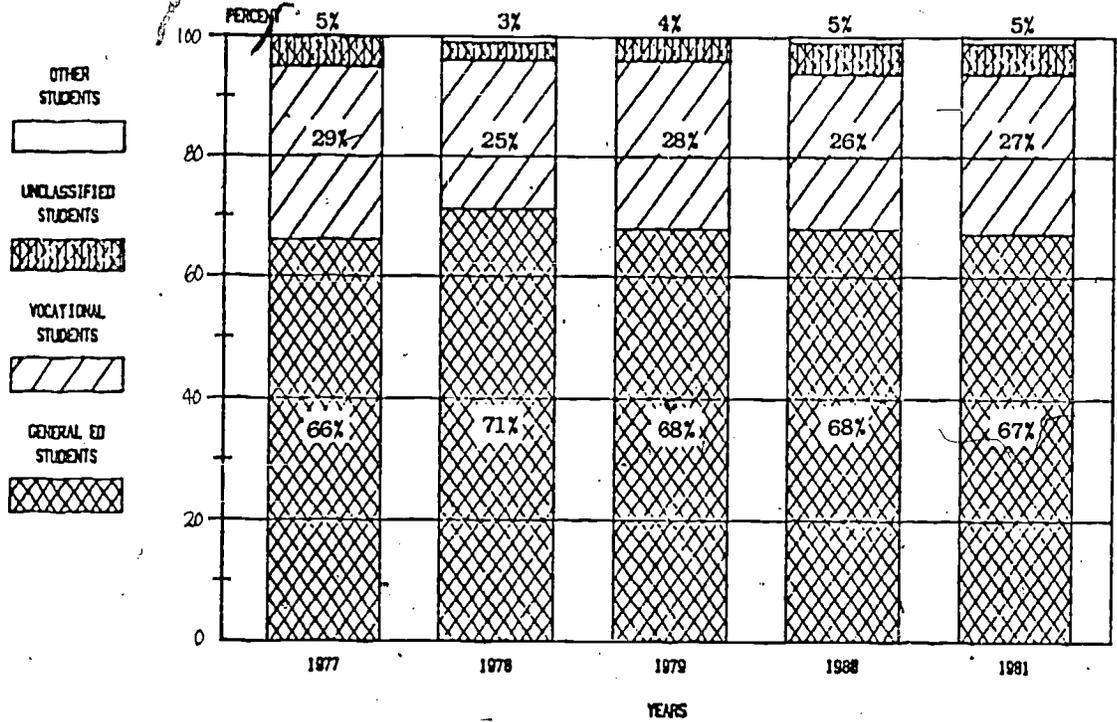
# CHART 2B DISTRIBUTION OF SSH, BY COURSE AREA AND MAJORS

KAPIOLANI COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

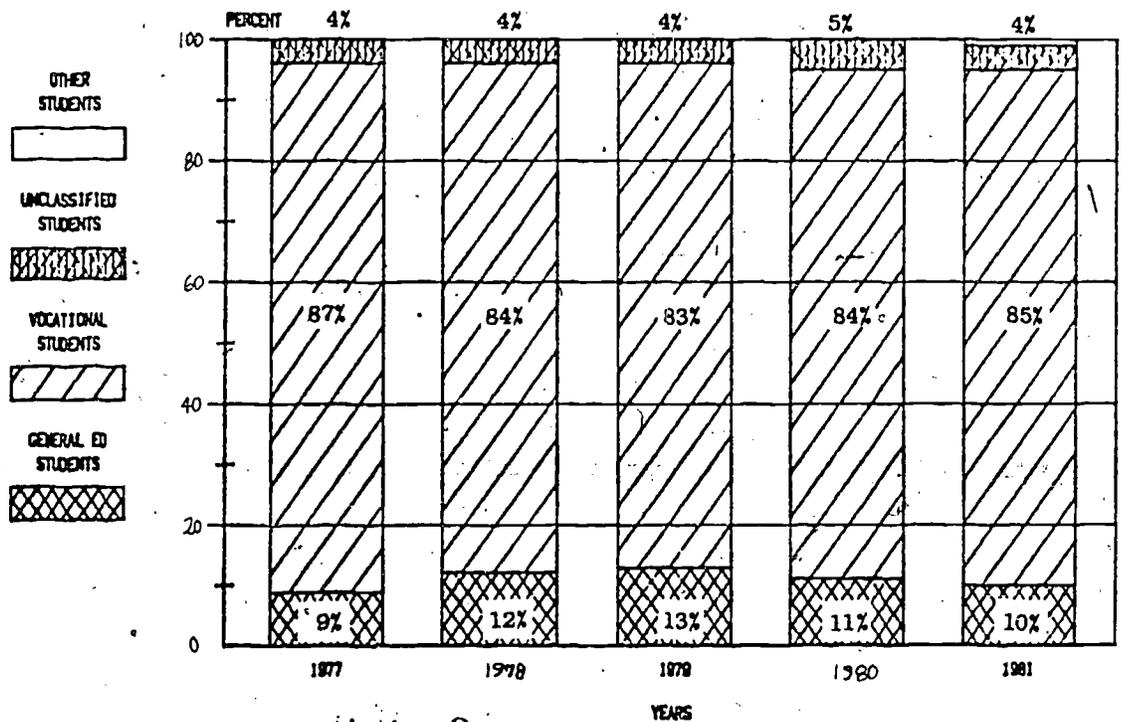
### GENERAL EDUCATION COURSES:

What were the proportions taken by different majors?



### VOCATIONAL EDUCATION COURSES:

What were the proportions taken by different majors?



DIST

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COURSE AREA / LEVEL



r

..

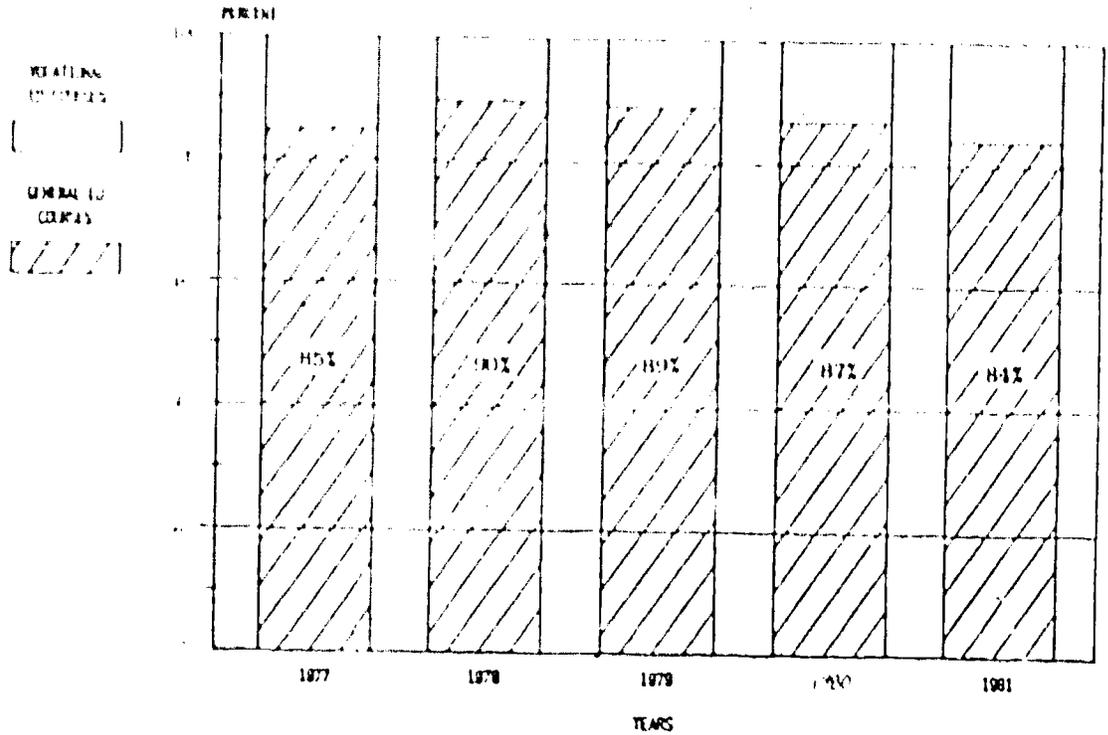
CHART 11  
 DISTRIBUTION OF S&H, BY MAJORS

KADAI COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

LIBERAL  
 ARTS  
 MAJORS:

What courses  
 did they take?



VOCATIONAL  
 EDUCATION  
 MAJORS:

What courses  
 did they take?

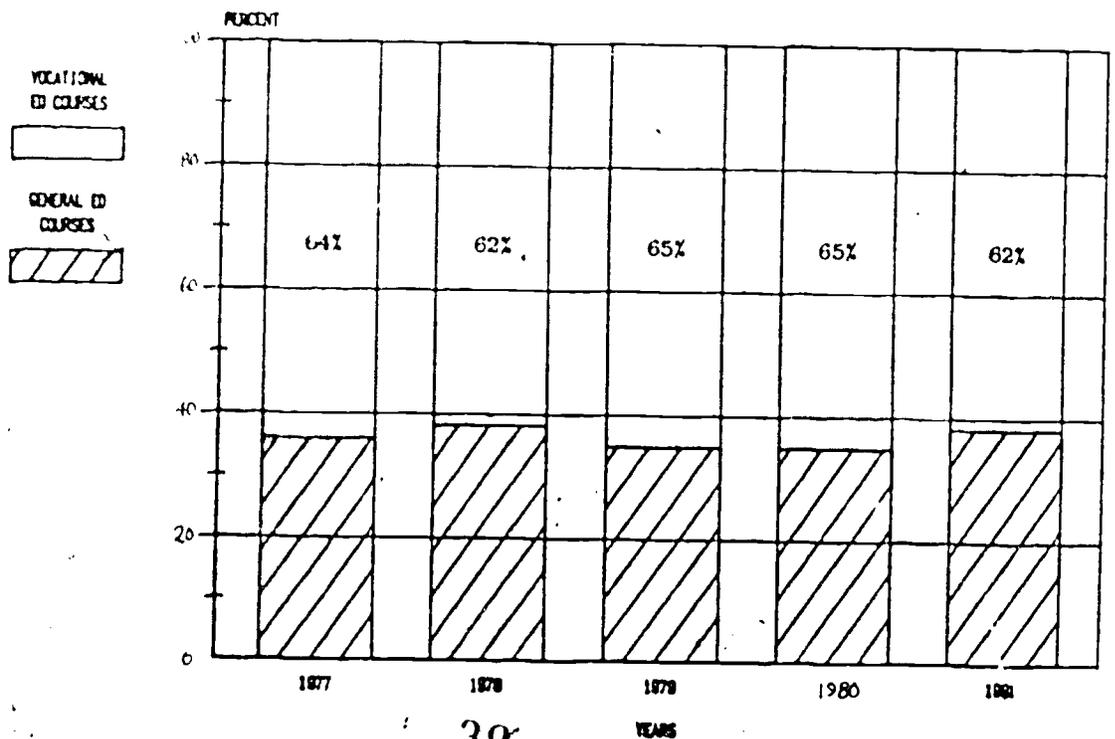


CHART 1C (CONTINUED)  
DISTRIBUTION OF SSH, BY MAJORS

KAUAI COMMUNITY COLLEGE

FALL 1977 TO 1981

UNCLASSIFIED  
STUDENTS:

What courses  
did they take?

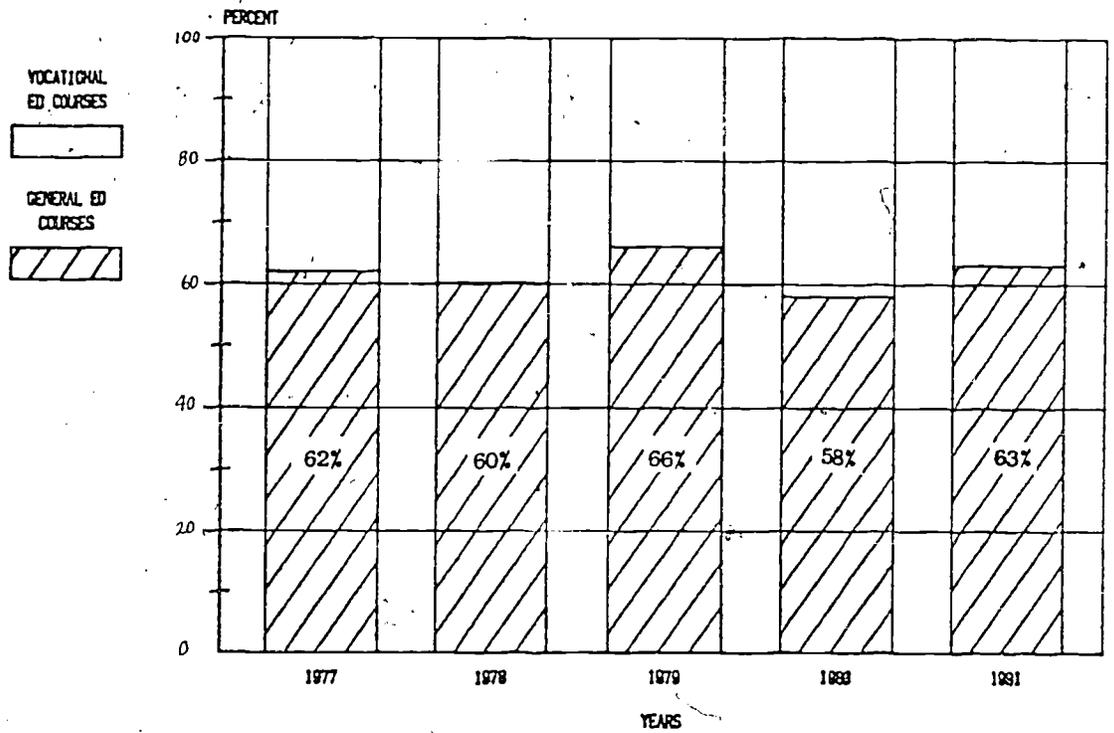


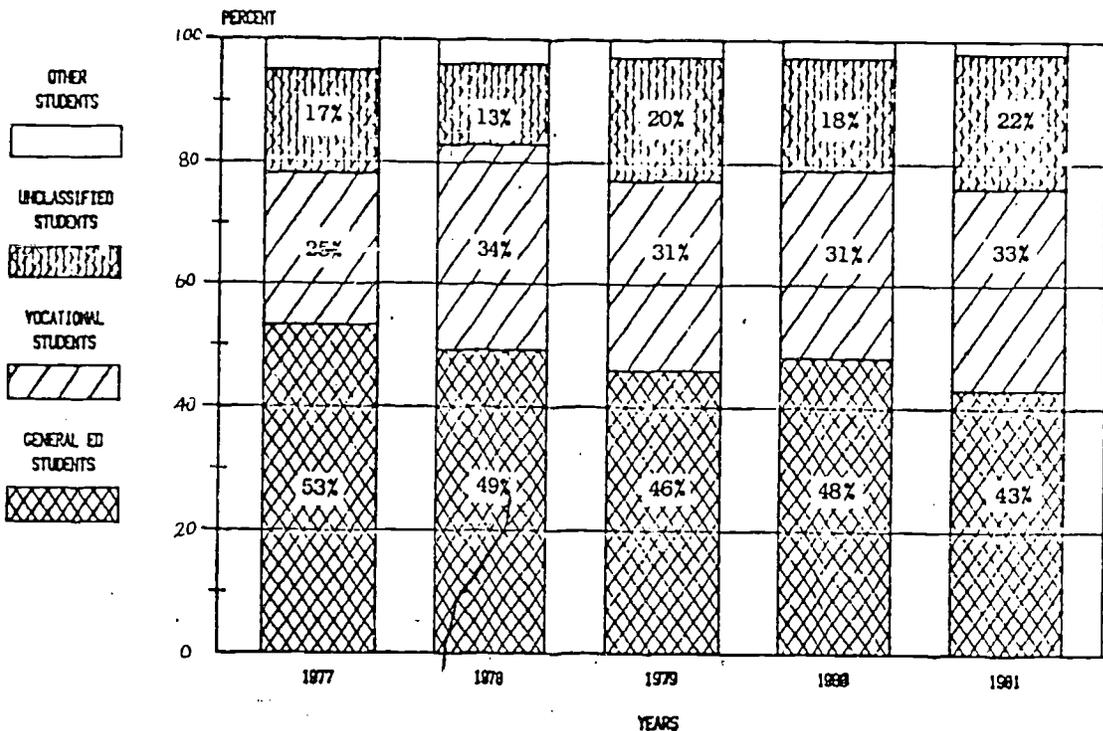
CHART 2C

DISTRIBUTION OF SSH, BY COURSE AREA AND MAJORS

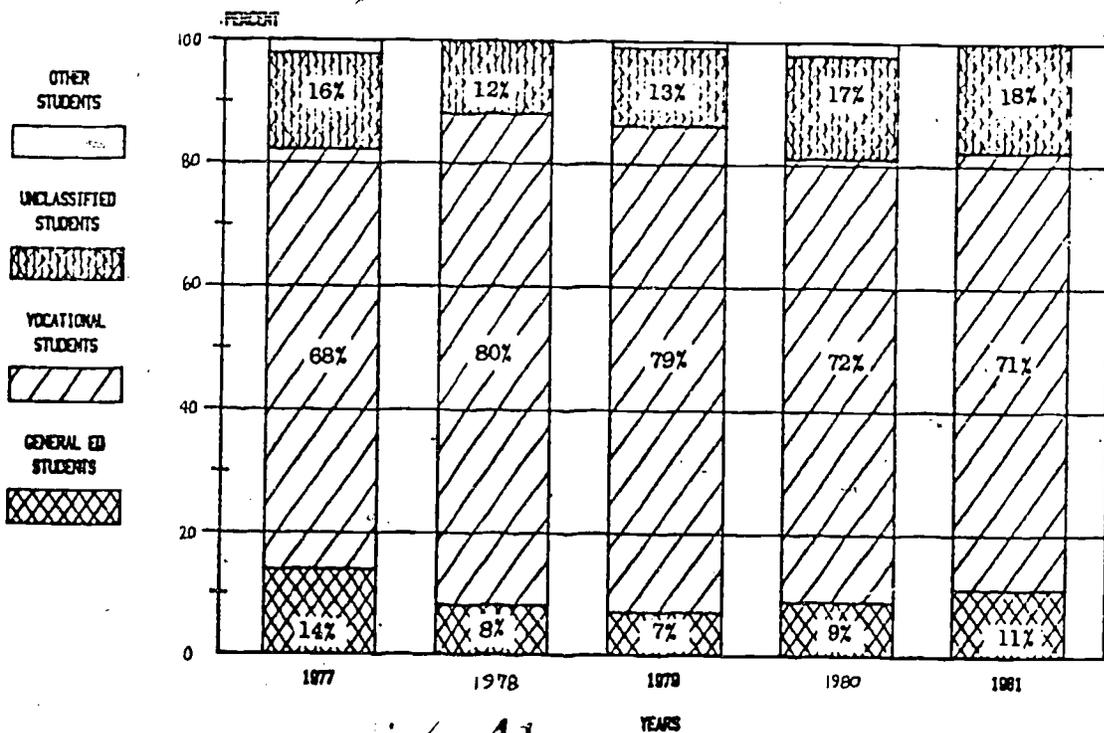
KAUAI COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

GENERAL  
EDUCATION  
COURSES:  
What were the  
proportions taken by  
different majors?



VOCATIONAL  
EDUCATION  
COURSES:  
What were the  
proportions taken by  
different majors?



DIB

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**COURSE AREA/LEVEL**



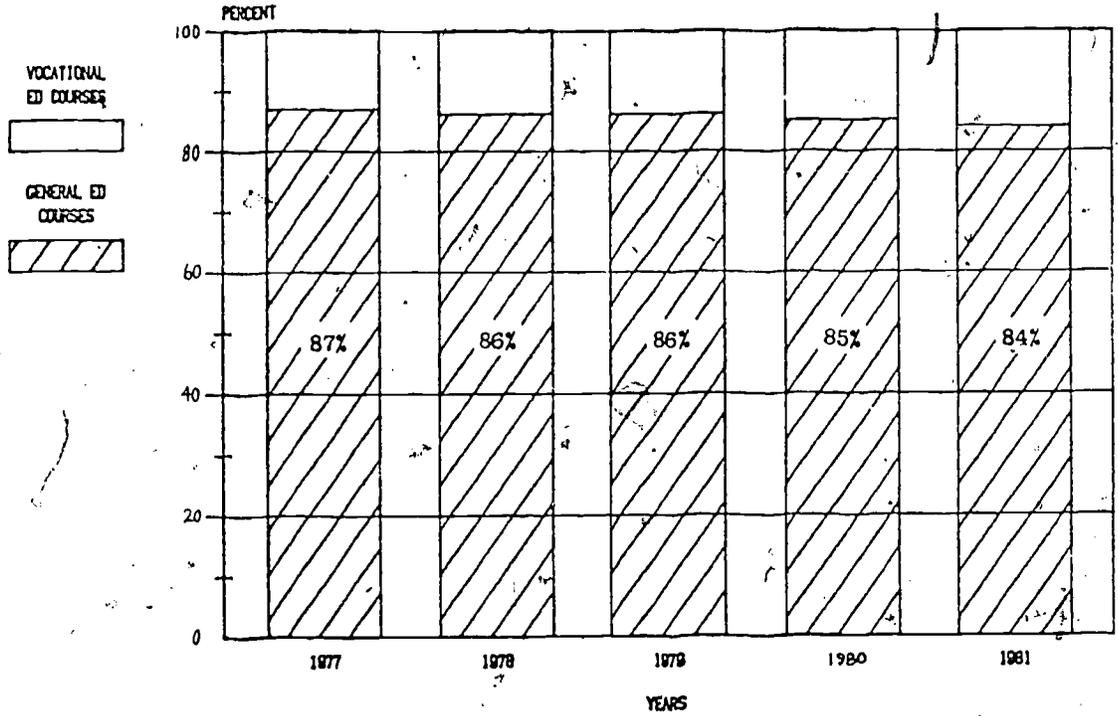


CHART 1D  
 DISTRIBUTION OF SSH BY MAJORS

LEEWARD COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

LIBERAL  
 ARTS  
 MAJORS:  
 What courses  
 did they take?



VOCATIONAL  
 EDUCATION  
 MAJORS:  
 What courses  
 did they take?

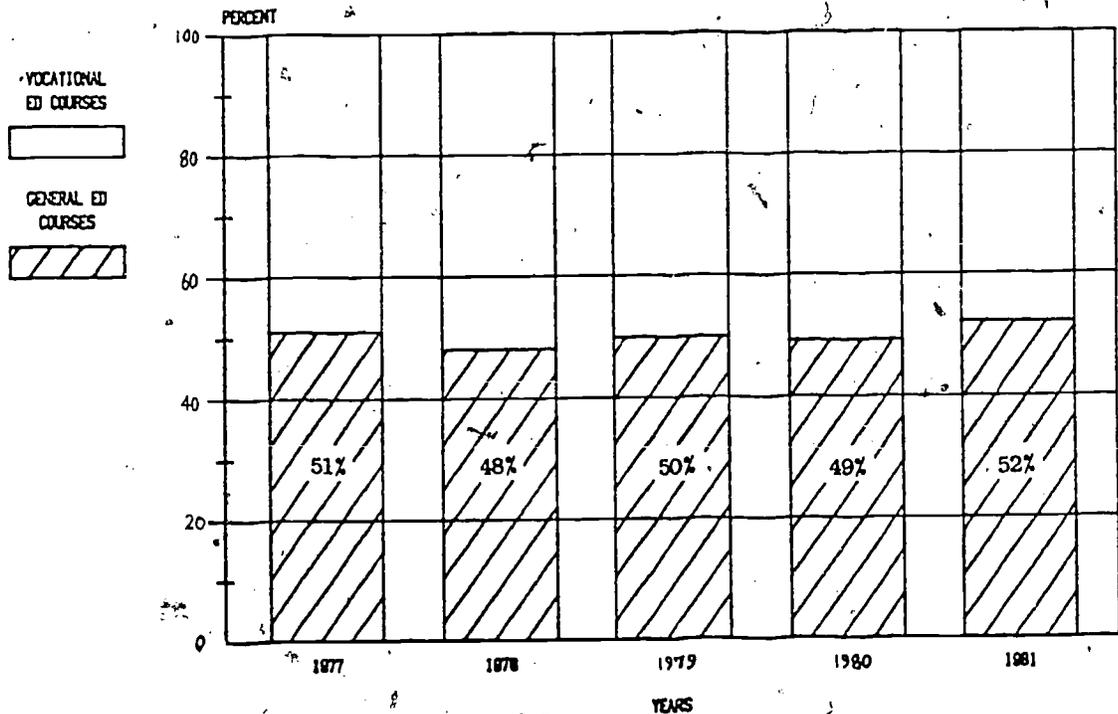


TABLE 1D (CONTINUED)

DISTRIBUTION OF SSH, BY MAJORS

LEEWARD COMMUNITY COLLEGE

FALL 1977 TO 1981

UNCLASSIFIED  
STUDENTS:  
What courses  
did they take?

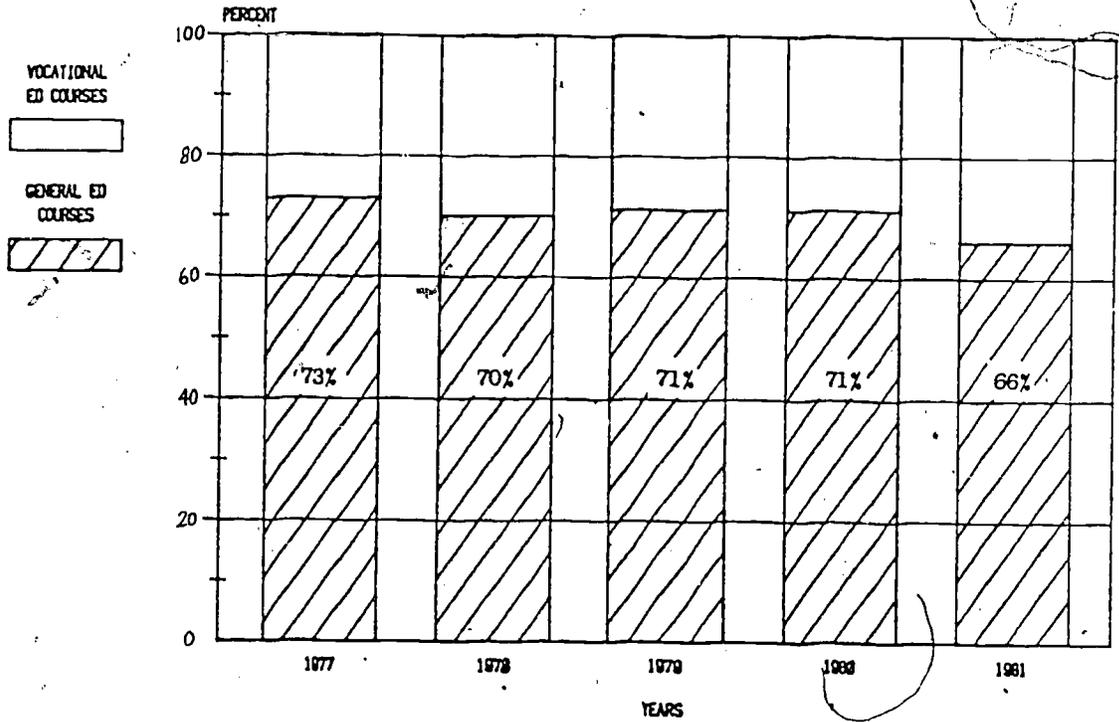


CHART 2D

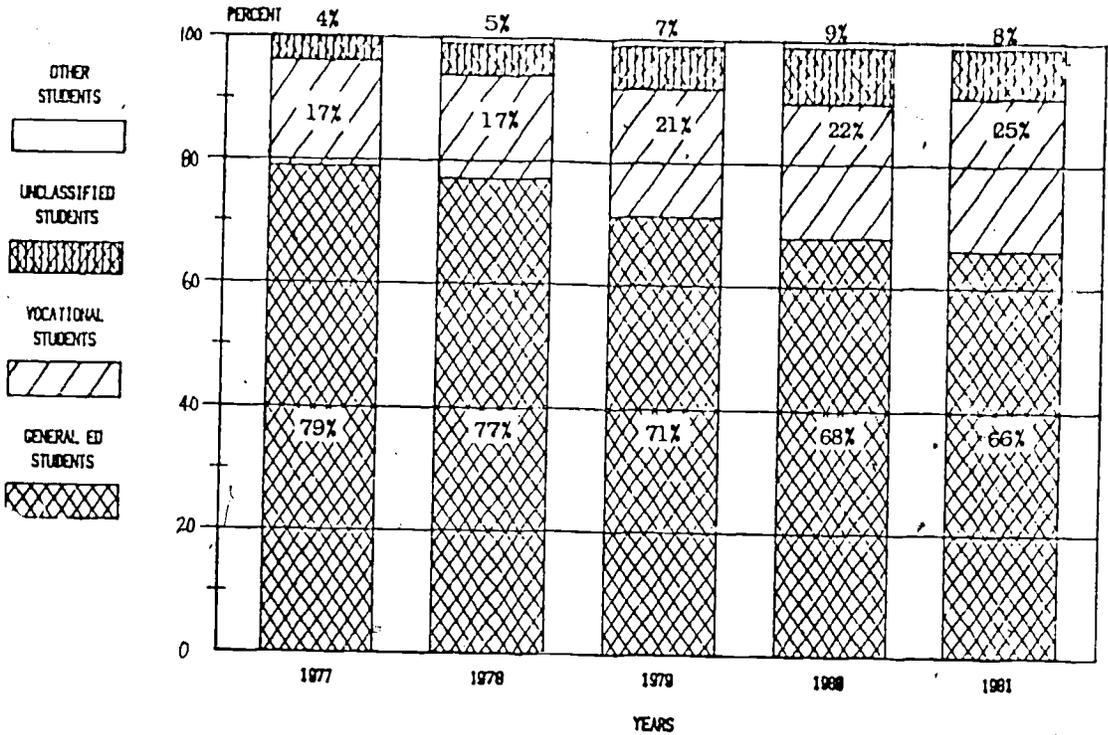
DISTRIBUTION OF SSH, BY COURSE AREA AND MAJORS

LEEWARD COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

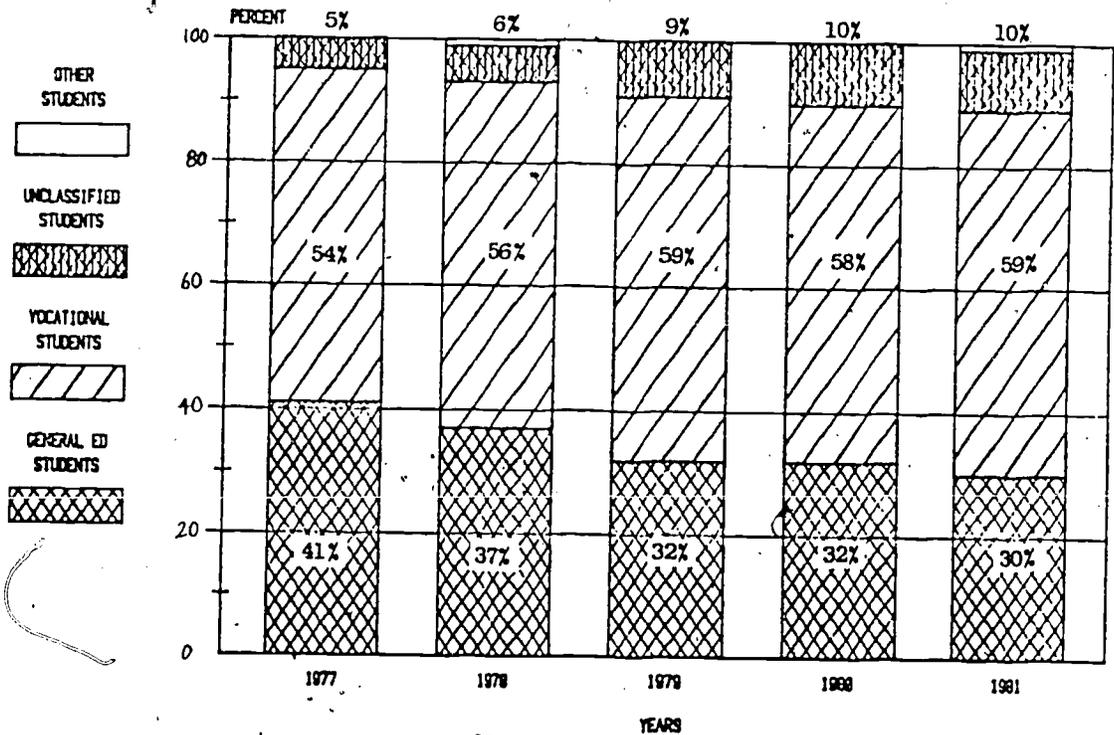
GENERAL EDUCATION COURSES:

What were the proportions taken by different majors?



VOCATIONAL EDUCATION COURSES:

What were the proportions taken by different majors?



DIST

COURSE AREA/LEVEL

TOTAL

.....

0-099

.....

100-100

COURSE AREA

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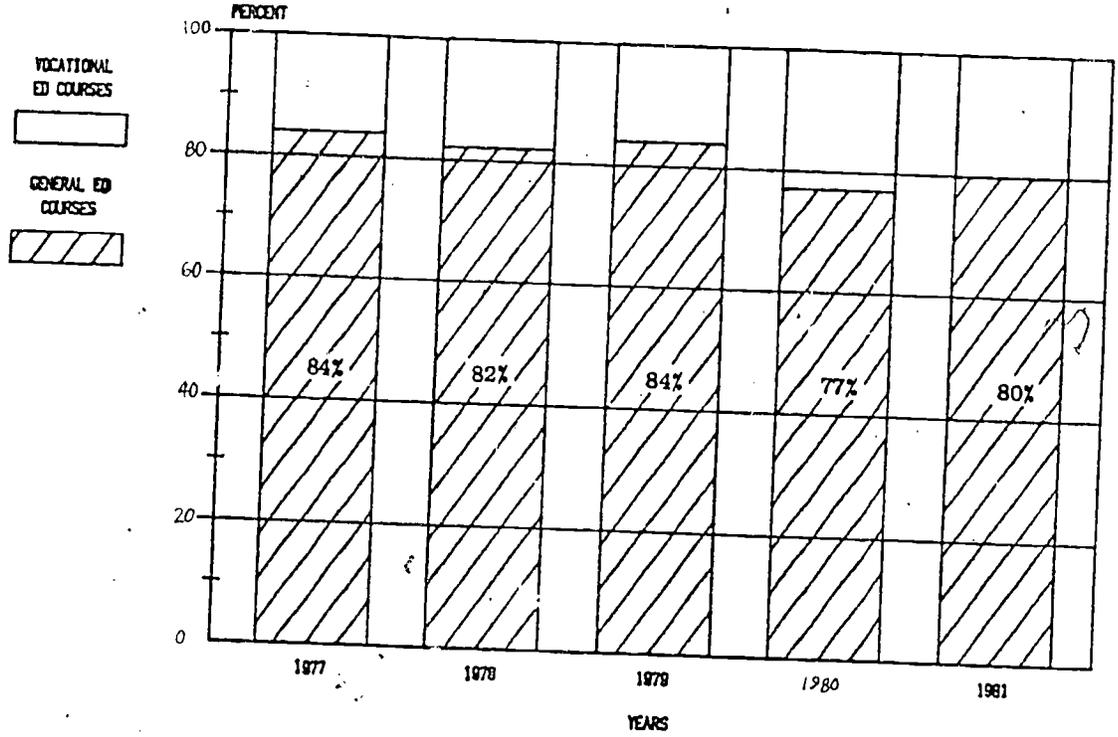
# COURSE AREA

CHART 1E  
 DISTRIBUTION OF SSH, BY MAJORS

MAUI COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

LIBERAL  
 ARTS  
 MAJORS:  
 What courses  
 did they take?



VOCATIONAL  
 EDUCATION  
 MAJORS:  
 What courses  
 did they take?

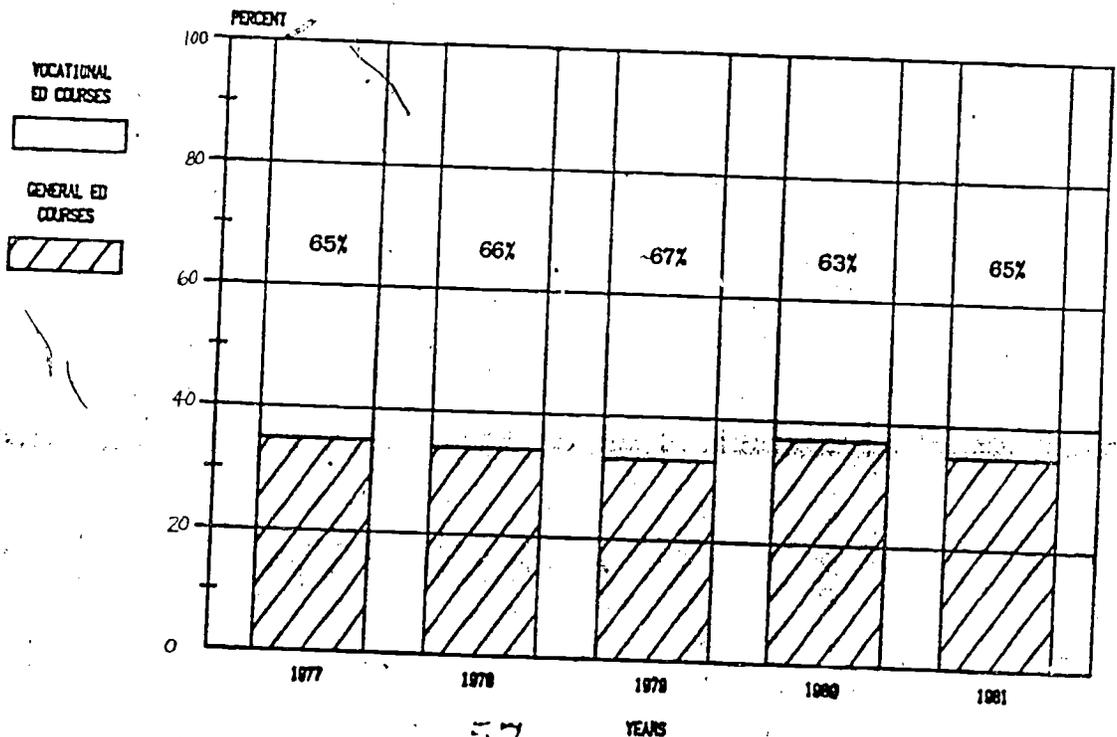


CHART 1E (CONTINUED)  
 DISTRIBUTION OF SSH, BY MAJORS

MAUI COMMUNITY COLLEGE

FALL 1977 TO 1981

UNCLASSIFIED

STUDENTS:

What courses  
 did they take?

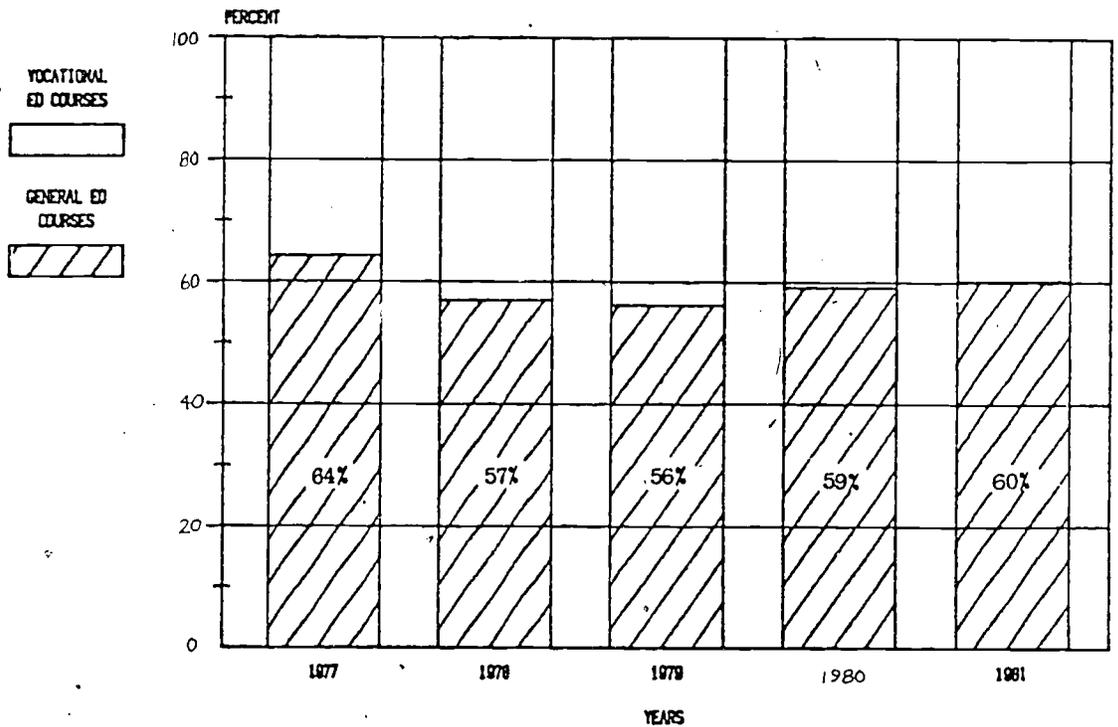


CHART 2E

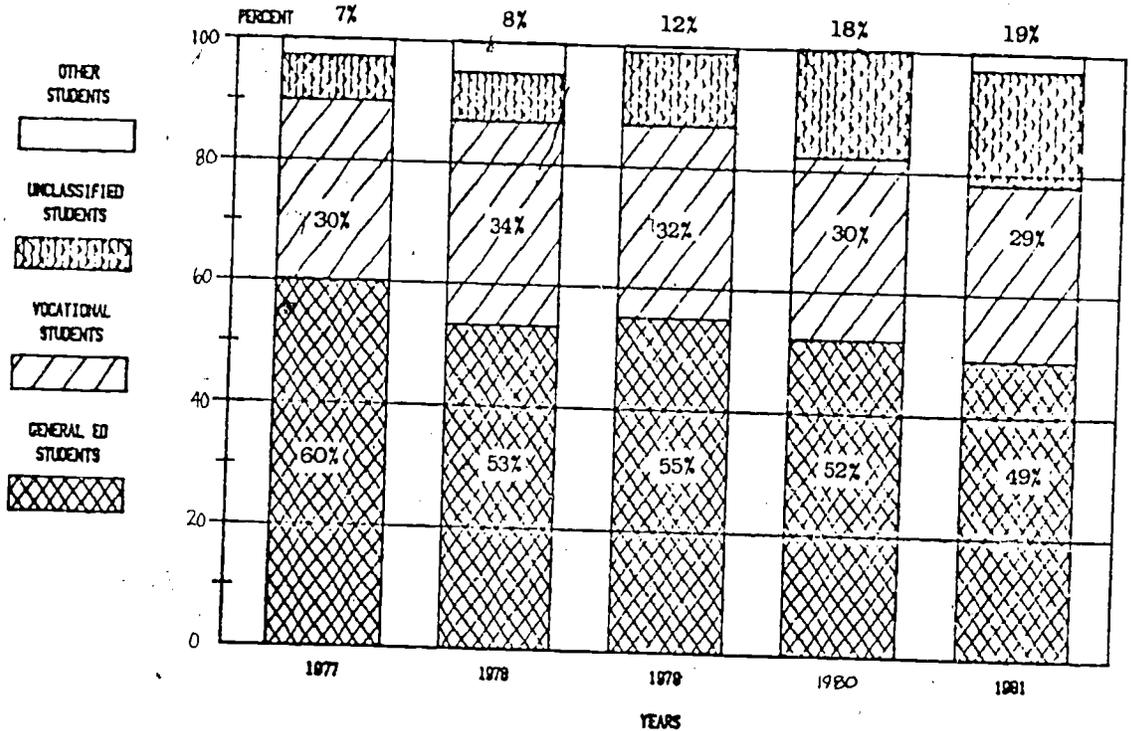
DISTRIBUTION OF SSH, BY COURSE AREA AND MAJORS

MAUI COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

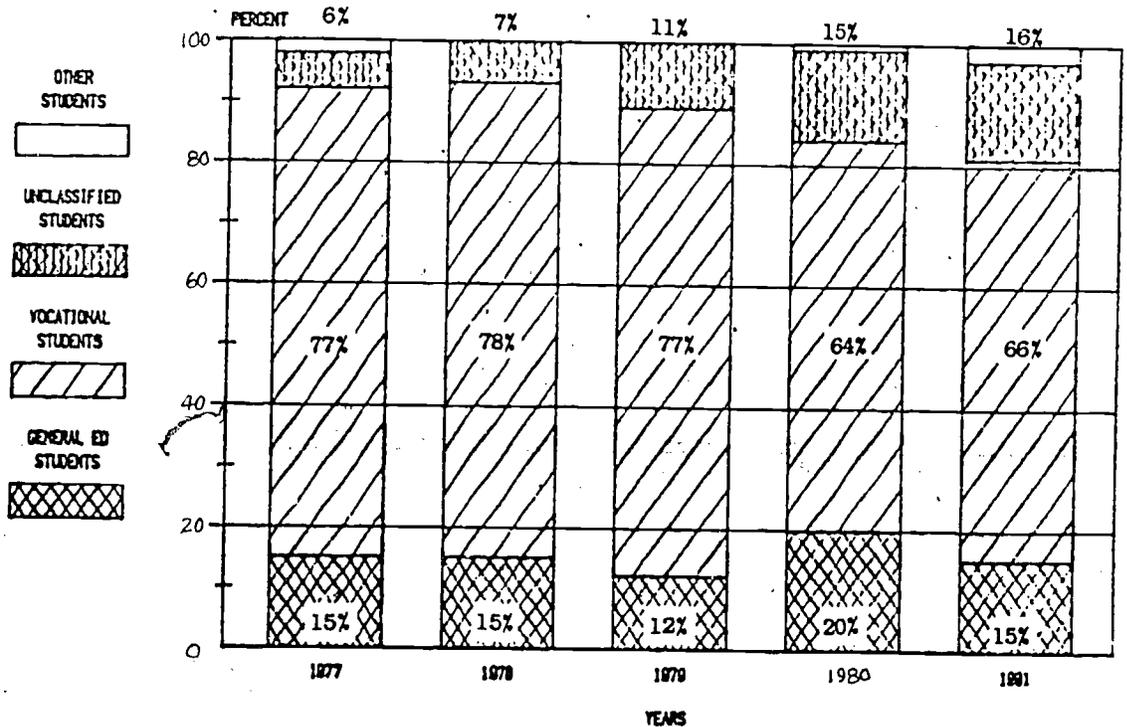
GENERAL EDUCATION COURSES:

What were the proportions taken by different majors?



VOCATIONAL EDUCATION COURSES:

What were the proportions taken by different majors?



**COURSE AREA/LEVEL**



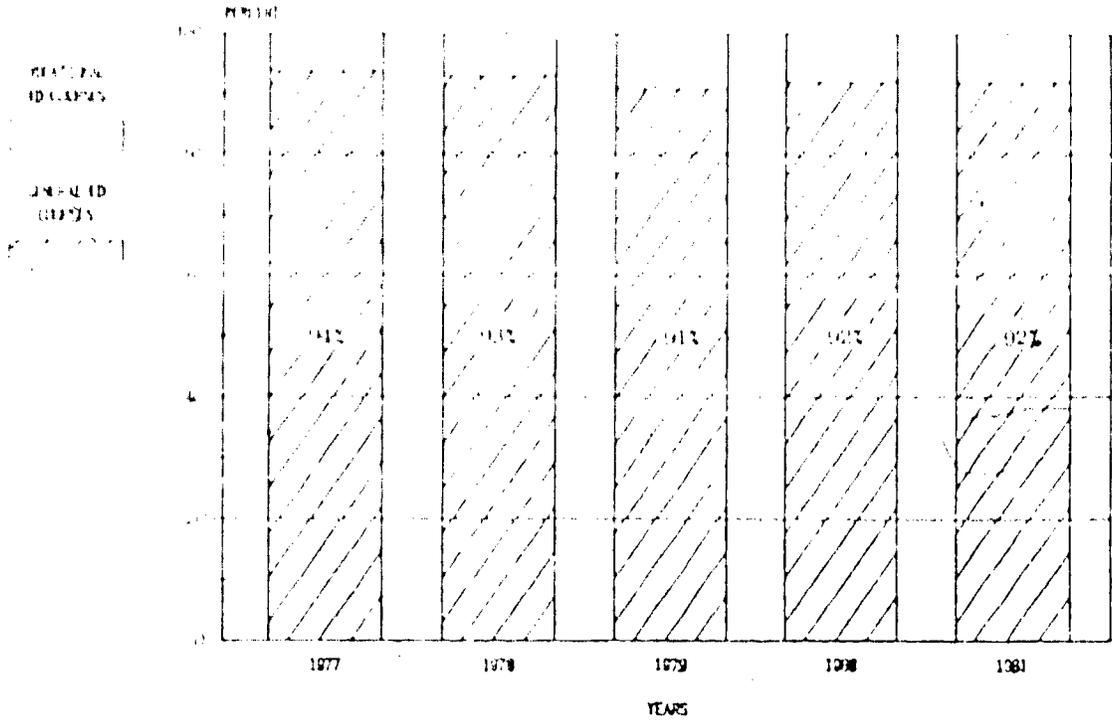


CHART II  
 DISTRIBUTION OF SSI BY MAJORS

WINDWARD COMMUNITY COLLEGE

FALL 1977 TO 1981

LIBERAL  
 ARTS  
 MAJORS:  
 What courses  
 did they take?



VOCATIONAL  
 EDUCATION  
 MAJORS:  
 What courses  
 did they take?

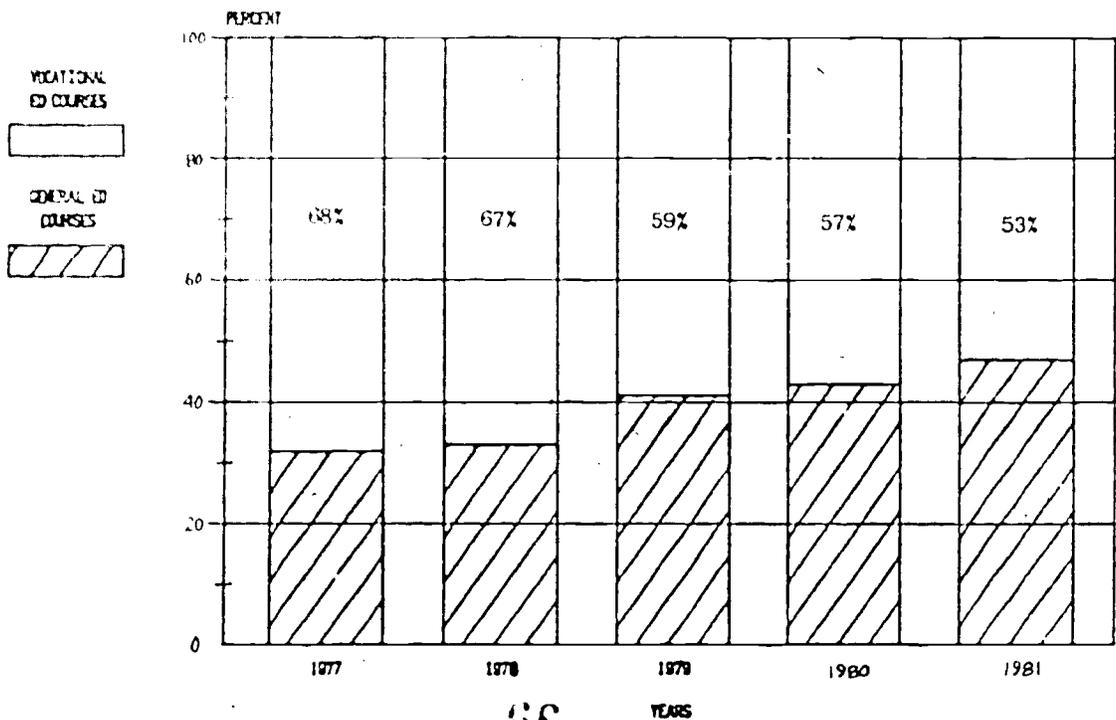


CHART 1F (CONTINUED)  
 DISTRIBUTION OF SSH, BY MAJORS

WINDWARD COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

UNCLASSIFIED  
 STUDENTS:  
 What courses  
 did they take?

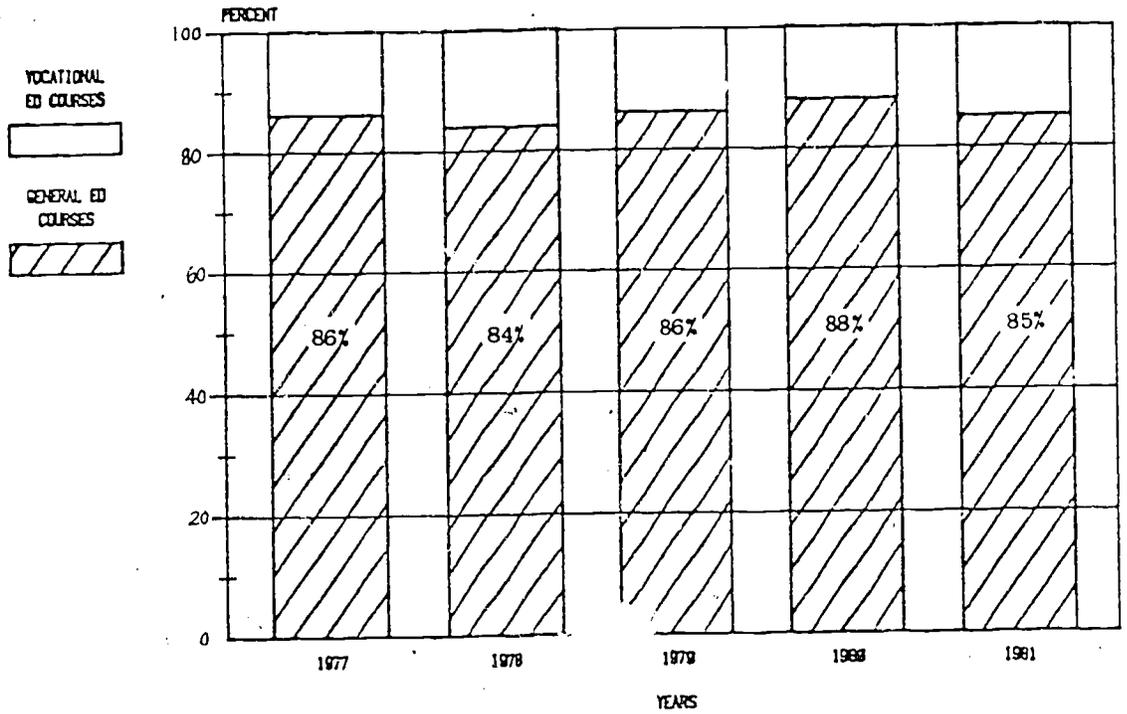


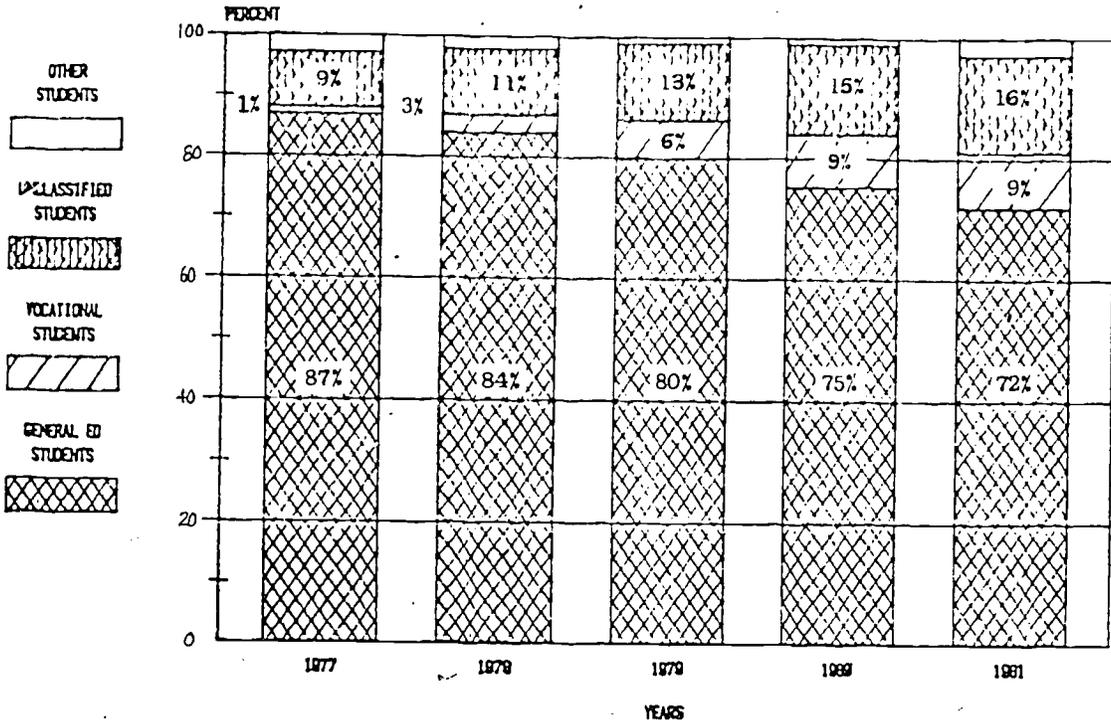
CHART 2F

DISTRIBUTION OF SSH, BY COURSE AREA AND MAJORS

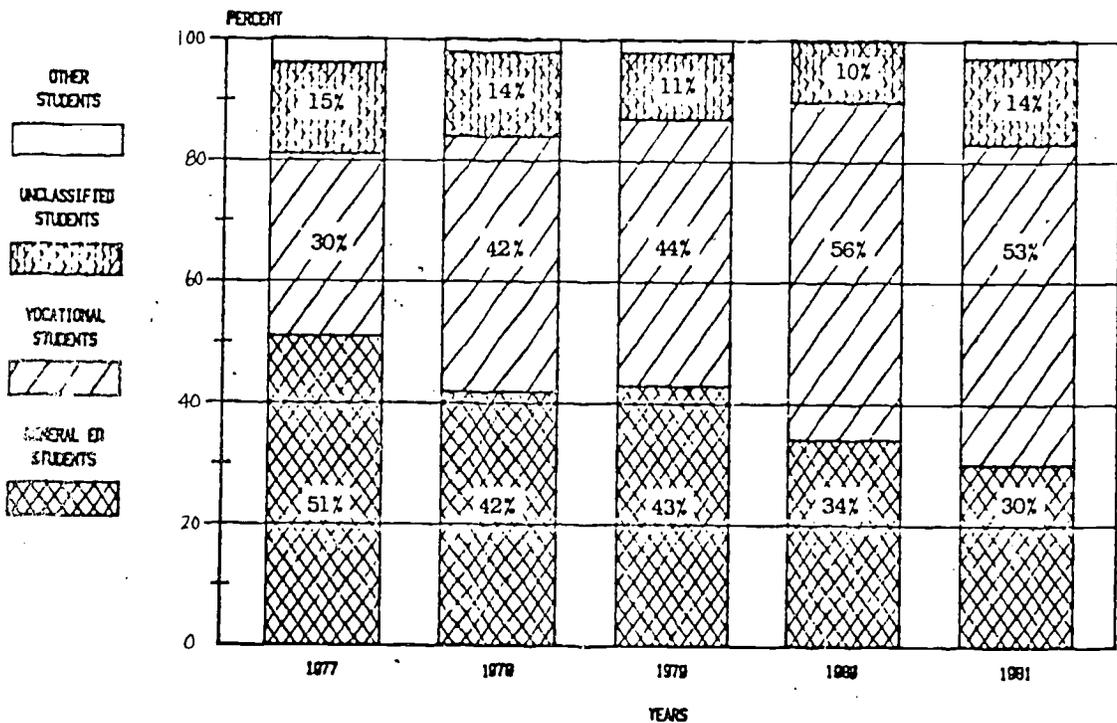
WINDWARD COMMUNITY COLLEGE

FALL 1977 TO FALL 1981

GENERAL EDUCATION COURSES:  
What were the proportions taken by different majors?



VOCATIONAL EDUCATION COURSES:  
What were the proportions taken by different majors?



APPENDIX A  
 FALL 1981 CROSSOVER MAJOR GROUPINGS  
 COMMUNITY COLLEGES

MAJOR GROUP	MAJORS INCLUDED
General & Pre-Prof	Liberal Arts
Business	
Accounting	Accounting
Data Processing	Information & Computer Science
	Data Processing
	Data Processing Operations
Finance	Finance
Sales & Management	Merchandising
	Hotel Operations
	Management
Secretarial & Related	Clerical
	Clerical, General
	General Office Training
	Secretarial Science
	Stenography
	Typist
Food Services	
Commercial Baking	Commercial Baking
Food Service	Food Service
Food Service, Culinary Arts	Food Service, Culinary Arts
Food Service, Dining Room	Food Service, Dining Room

MAJOR GROUP	MAJORS INCLUDED
Health Services	
Associate Degree Nursing	Associate Degree Nursing
Dental Assisting	Dental Assisting
Medical Assisting	Medical Assisting
Medical Lab Technology	Medical Lab Technology
Nursing	Practical Nursing
Occupational Therapy Assistant	Occupational Therapy Assistant
Radiologic Technology	Radiologic Technology
Respiratory Therapy	Respiratory Therapy
Public Service	
Fire Science	Fire Science
Human Services	Human Services
Industrial Education	
Interpreting for the Deaf	Interpreting for the Deaf
Legal Assistant	Legal Assistant
Library Technology	Library Technology
Occupational Safety & Health	Occupational Safety & Health
Police Science	Police Science
Recreational Instructor Program	Recreational Instructor Program
Social Justice	Social Justice

MAJOR GROUP	MAJORS INCLUDED
Technology	
Aeronautics Technology	Aviation Maintenance Technology
Agriculture	Agriculture
Apparel Design & Construction	Fashion Design/Merchandising
	Apparel Design & Construction
Applied Trades	Applied Trades
Automotive Technology	Auto Body Repair & Painting
	Auto Mechanics Technology
Building, Construction Tech.	Carpentry
	Construction Technology
	Electrical Installation & Maint. Tech.
Commerical Arts	Commercial Art; Graphic Art
Cosmetology	Cosmetology
Diesel Mechanics Technology	Heavy Equipment Maintenance & Repair
Drafting Technology	Architectural Drafting Technology
	Drafting Technology
Electronics Technology	Electronics Technology
Engineering Technology	Engineering Technology
Maintenance Technology	Building Maintenance
Marine Technology	Marine Technology
Metalworking Trades Technology	Machine Shop Technology
	Marine Pipefitter
	Sheet Metal & Plastics
	Welding Technology
Refrigeration & Air Conditioning	Refrigeration & Air Conditioning

MAJOR GROUP	MAJORS INCLUDED
UnClassified & Auditor	
UnClassified Day Student	UnClassified
UnClassified Evening Student	Evening
Special Students	
Early Admissions	Early Admissions
Concurrent Registrants	Concurrent
Other Special Students	Other Special Students
No Data Majors	

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