

**Five Year Summary:  
Reference Guide for Trends in Early Destinations**

**of**

**Michigan's Bachelor Degree Recipients  
1986 to 1990**

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**A Division of Student Affairs & Services**



Since 1985, Michigan's colleges and universities have submitted annual follow-up information to the Institute, whose staff compiled a yearly statewide early destination report. Having captured six years of data from 1985 to 1990, a snapshot from this time period provides patterns on the directions Michigan graduates have typically taken immediately after graduation. This reference guide offers graphic representation of destination, location and salary trends for baccalaureate recipients. It is anticipated that career specialists can incorporate this material in their workshops and classes. To further this objective, the guide has been left unbound so that charts and graphs can be conveniently extracted and used.

The guide focuses only on the outcomes of bachelor degree graduates. Reported observations were large enough to absorb reporting variations that occurred in certain years (see below). Because of the small number of observations for selected programs, the information is presented for major CIP Groupings. In the section on starting salaries, salary trends for selected popular majors, i.e. accounting, have been included.

### Interpretation

In analyzing time series data, certain events, such as a recession or fast economic growth, often account for the shift in the trend lines. Unfortunately, in this report, labor market events can not easily be separated from reporting errors. Several types of errors should be taken into consideration:

- Inconsistency in the mix of institutions reporting data, particularly in 1985 and 1986, has occurred. This inconsistency injects gaps in the data; engineering, a good example, when a school with a large engineering program was unable to provide complete data in 1986.
- Individual response rates vary between years. In some cases, the institutions receive a poor response from graduates from a specific curriculum program. For instance, even though all the institutions that offer Parks and Recreation Degrees reported in 1987, majors from this field failed to return their institutional follow-up forms.
- Assignment of CIP Codes lends to the confusion. For example, packaging, an engineering based curriculum, is grouped with agricultural studies. The labor market characteristics of these graduates, especially with regards to starting salary, may skew the overall averages. Similarly, a large university places its adult learners who have varied years of work experience and high salaries in the Liberal Studies CIP Group. Thus, these figures do not reflect new entrants to the labor market.

- Academic programs that require additional training before entry into the workforce are not reflected in this report. Dieticians, medical technologists, and audiology/speech therapists serve as examples of programs where students need an internship or certification experience before seeking employment. In some cases, graduates in this situation are placed in the continuing education category (audiology/speech); more likely they are not accounted for at all.

These situations have been emphasized to encourage users of these charts to utilize some caution in interpreting what may be happening. In most cases, the trends depict existing labor market conditions; but each academic program has its own unique circumstances that can "muddy the waters."

#### **Highlights:**

- Initial destinations of bachelor degree recipients (total) have remained fairly constant over the period: 70% employed full-time, 10% continuing education, 8% unemployed and 12% other (part-time, not in workforce, return to home country).
- Curriculum groups displayed differences. For example:  
Business: employed full-time dropped from slightly above 80% to the approximately 75% with a corresponding rise in the numbers continuing their education.  
Education: employed full-time dropped steadily over the period with a noticeable increase in "other"--mainly part-time substitute teaching.
- Majority of graduates (75%) have found employment in Michigan. Some curriculum groups have a higher retention rate in Michigan: agriculture, education, and health sciences. Other groups have a higher percentage which leave the state: engineering and foreign languages.
- After controlling for inflation (real dollars), graduates' starting salaries appeared to have kept pace with inflation with graduates in 1990 experiencing a real increase. (note: charts have only been prepared for CIP Groups which have fifteen or more reported salaries each year. With these restrictions, several dramatic swings occurred, i.e. industrial arts, that could not be properly adjusted.)
- Among the popular majors, engineering specialties and selected business programs experienced steady growth in current and real starting salaries. Other programs experienced more cyclical patterns.

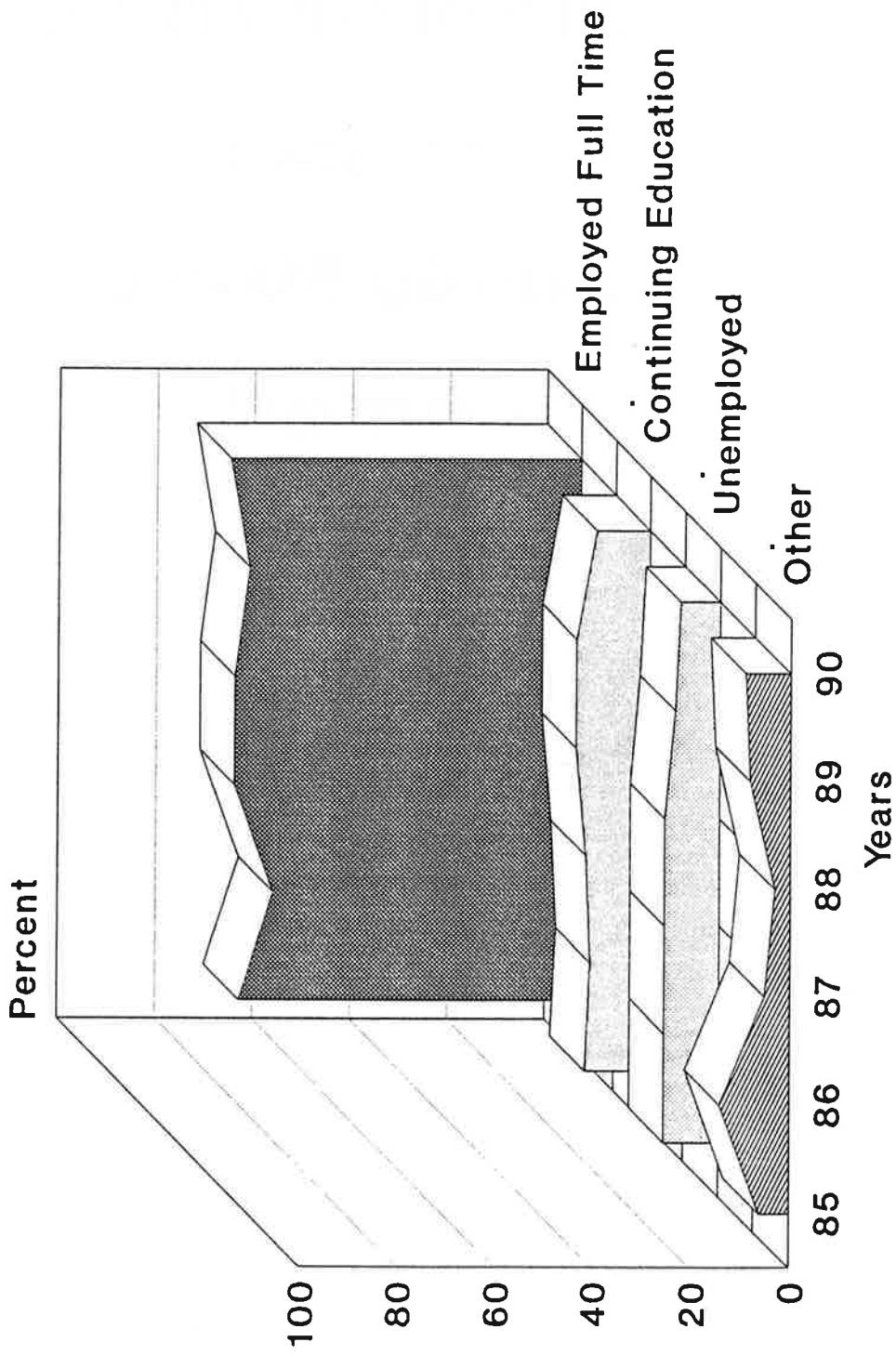
## EARLY DESTINATIONS

Employment

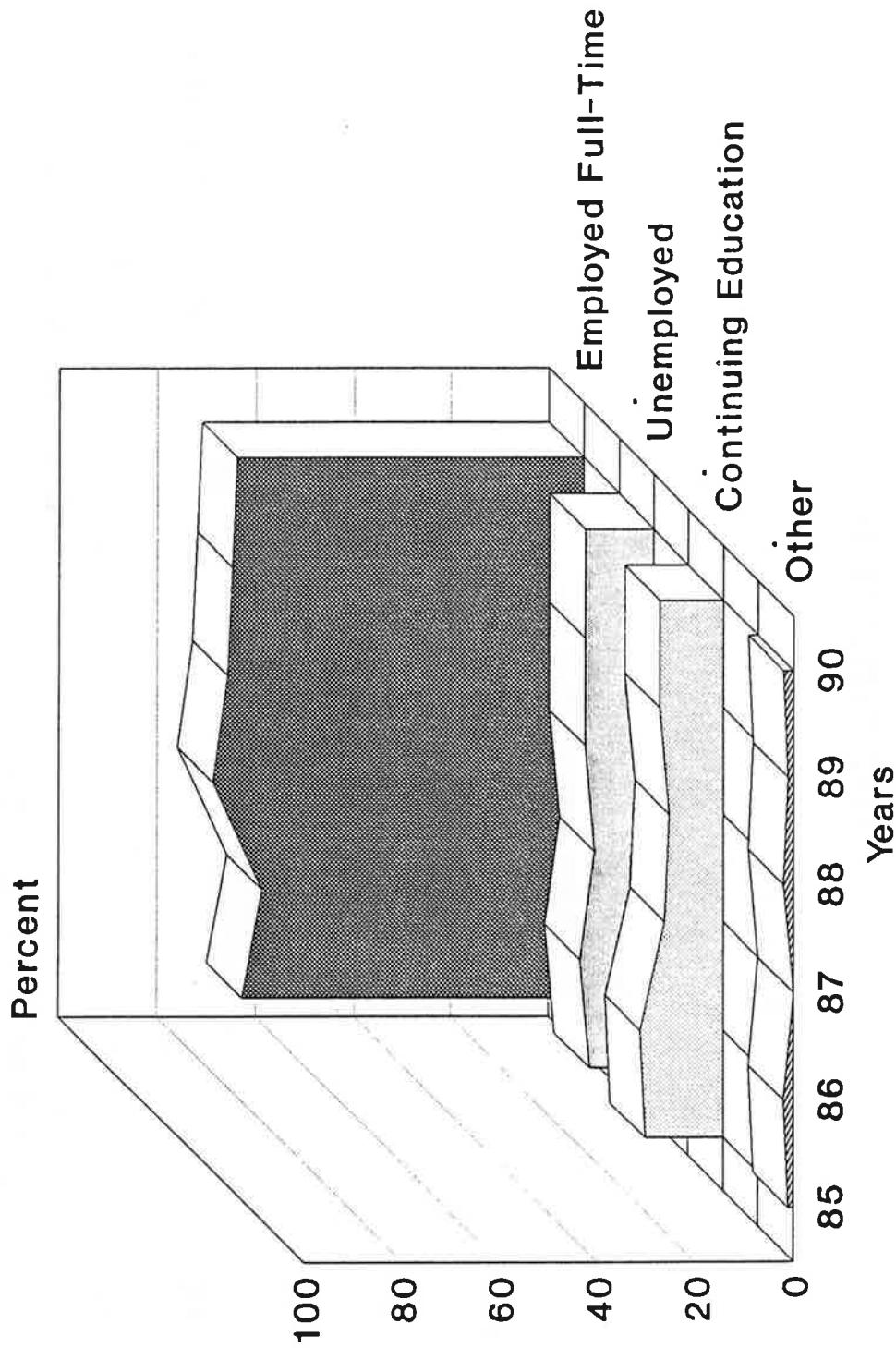
Continuing Education

Unemployed

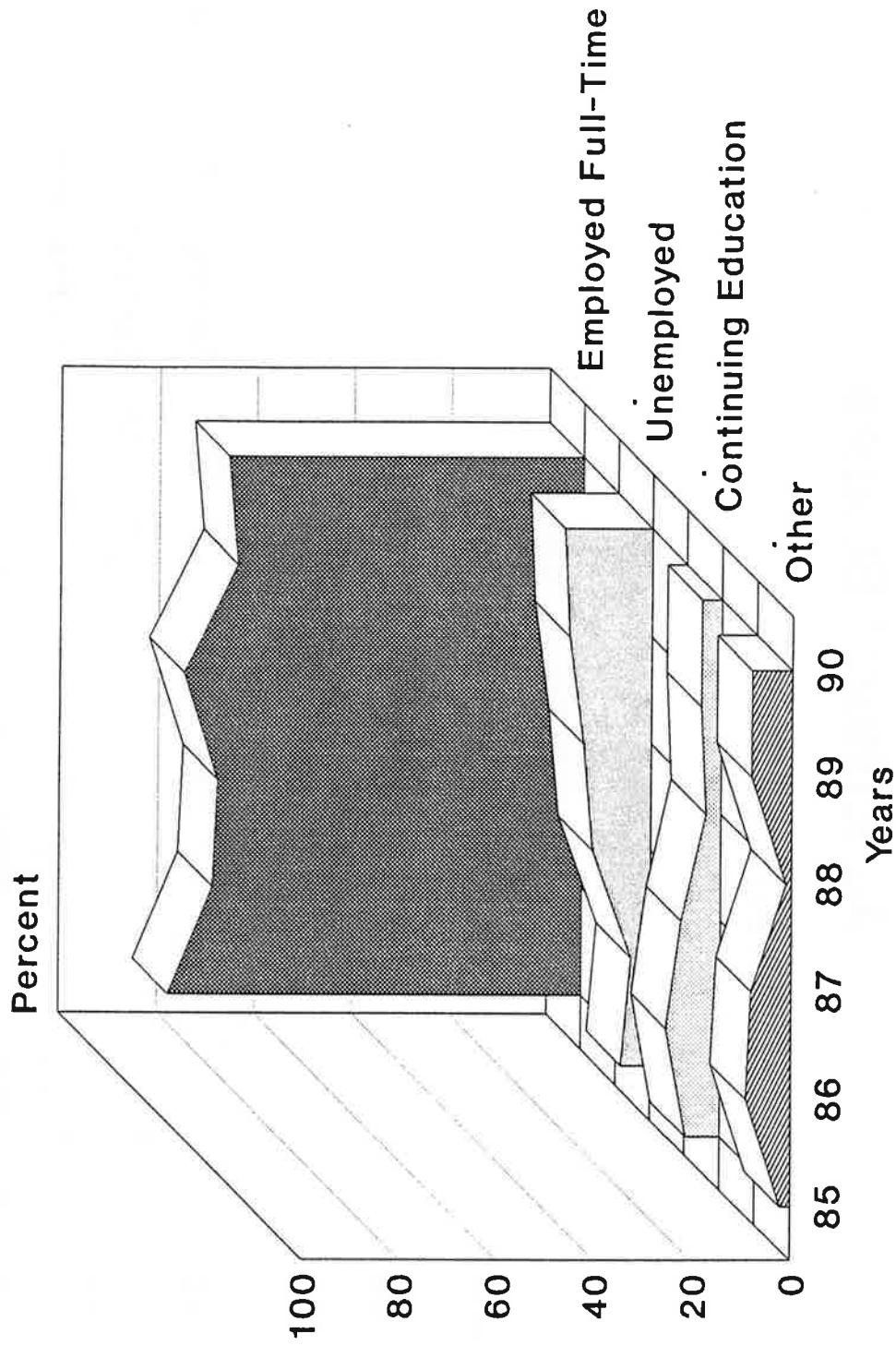
## Five Year Summary Totals for All Years



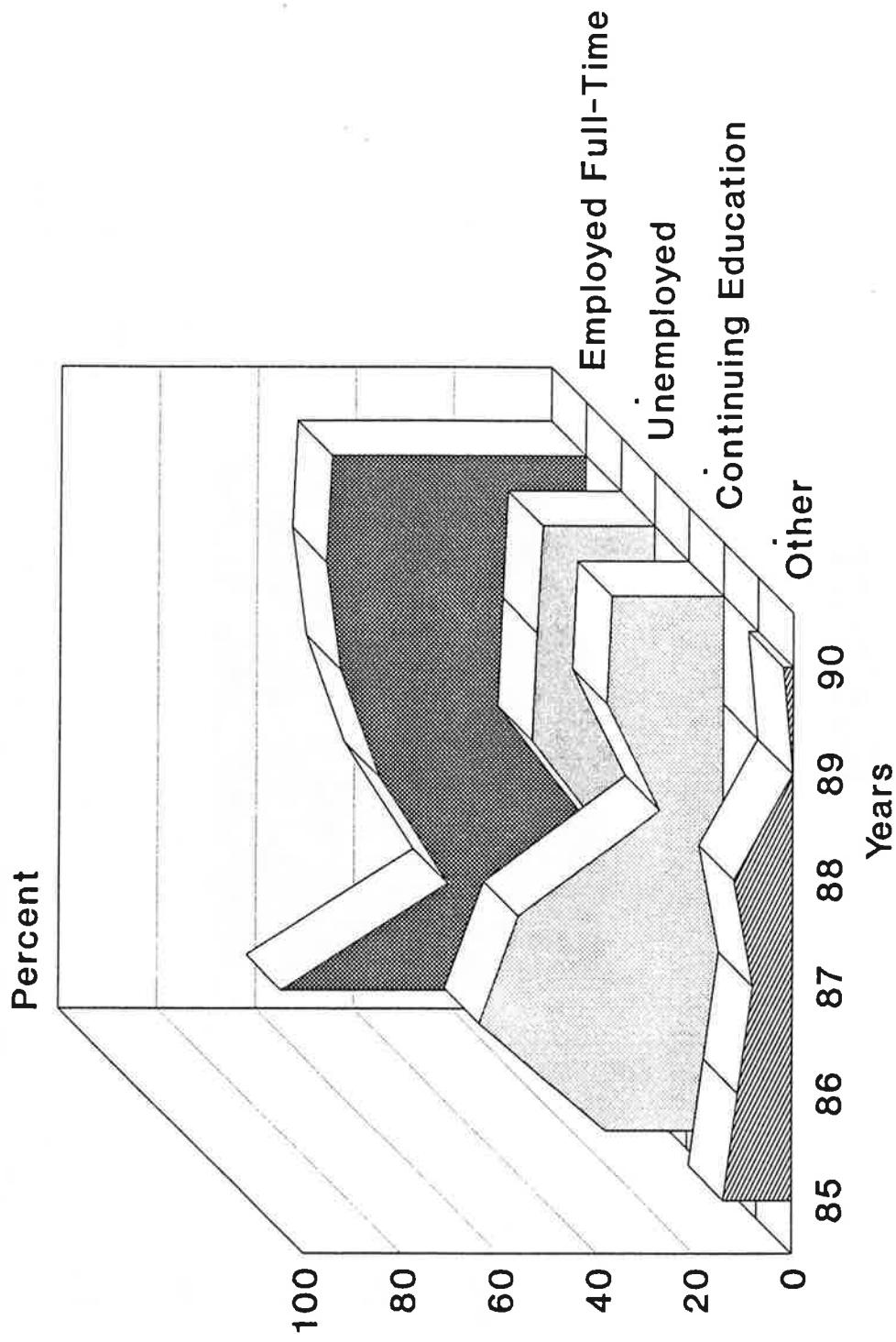
# Five Year Summary Agricultural Studies



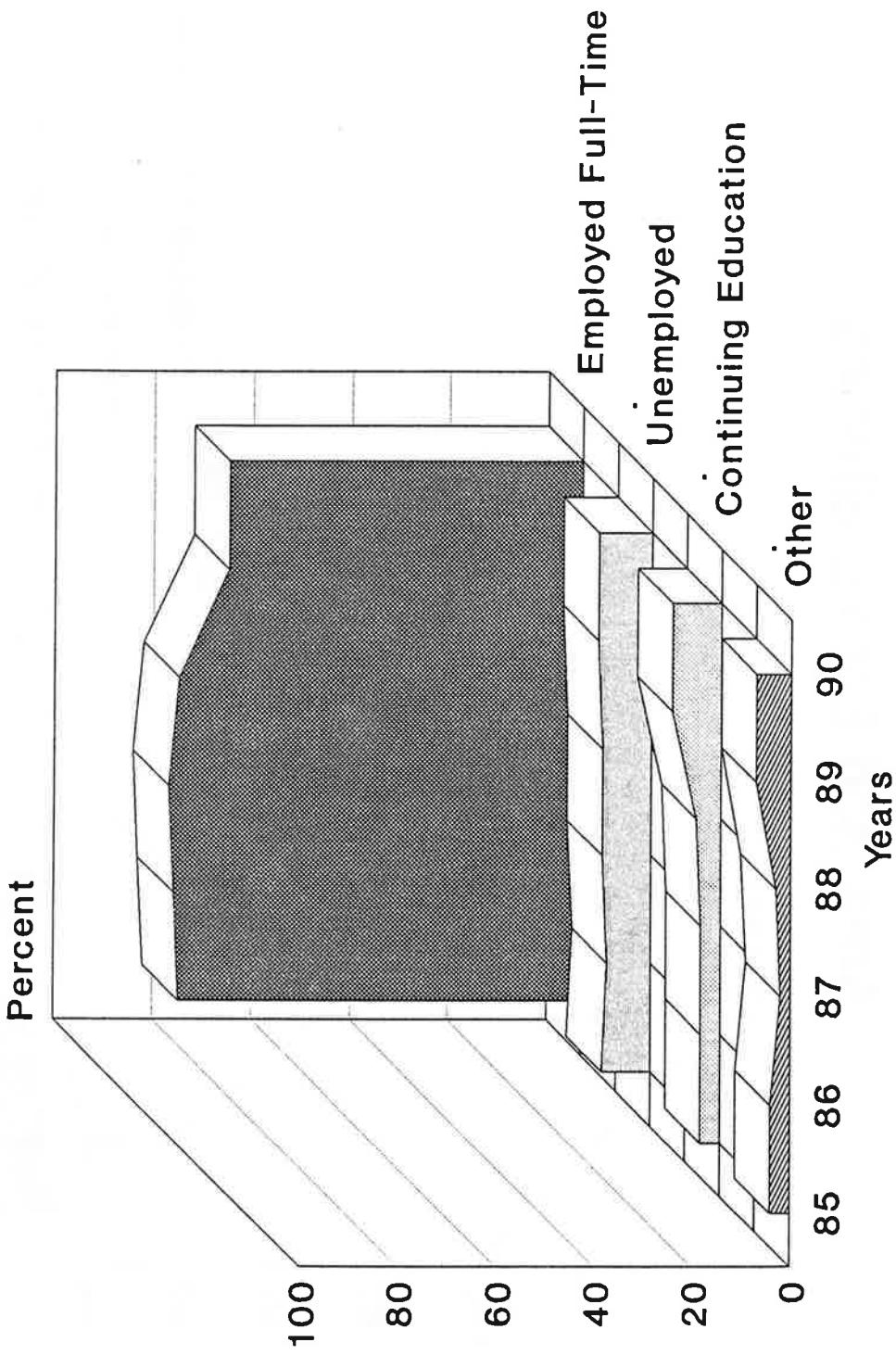
# Five Year Summary Architecture



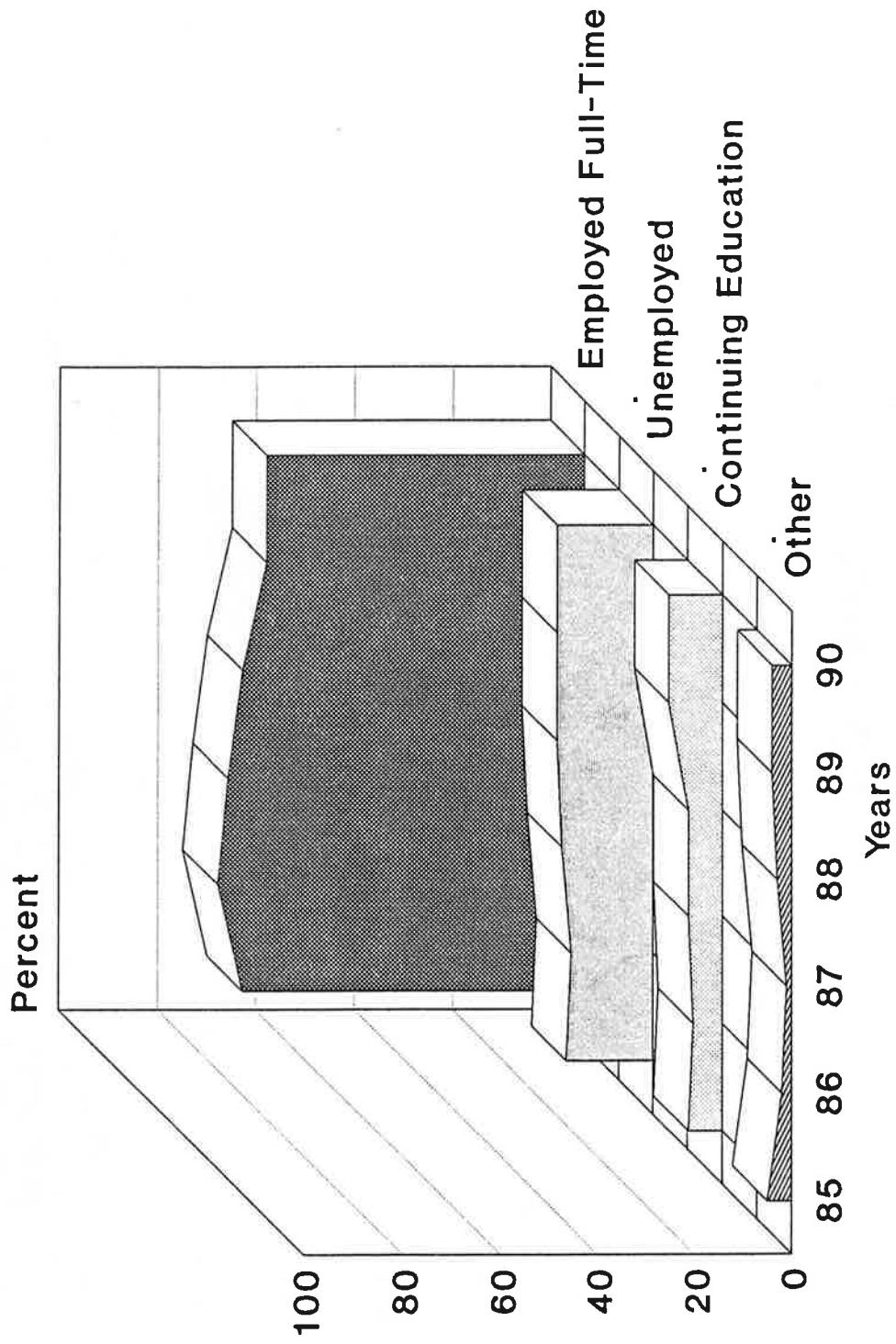
## Five Year Summary Area and Ethnic Studies



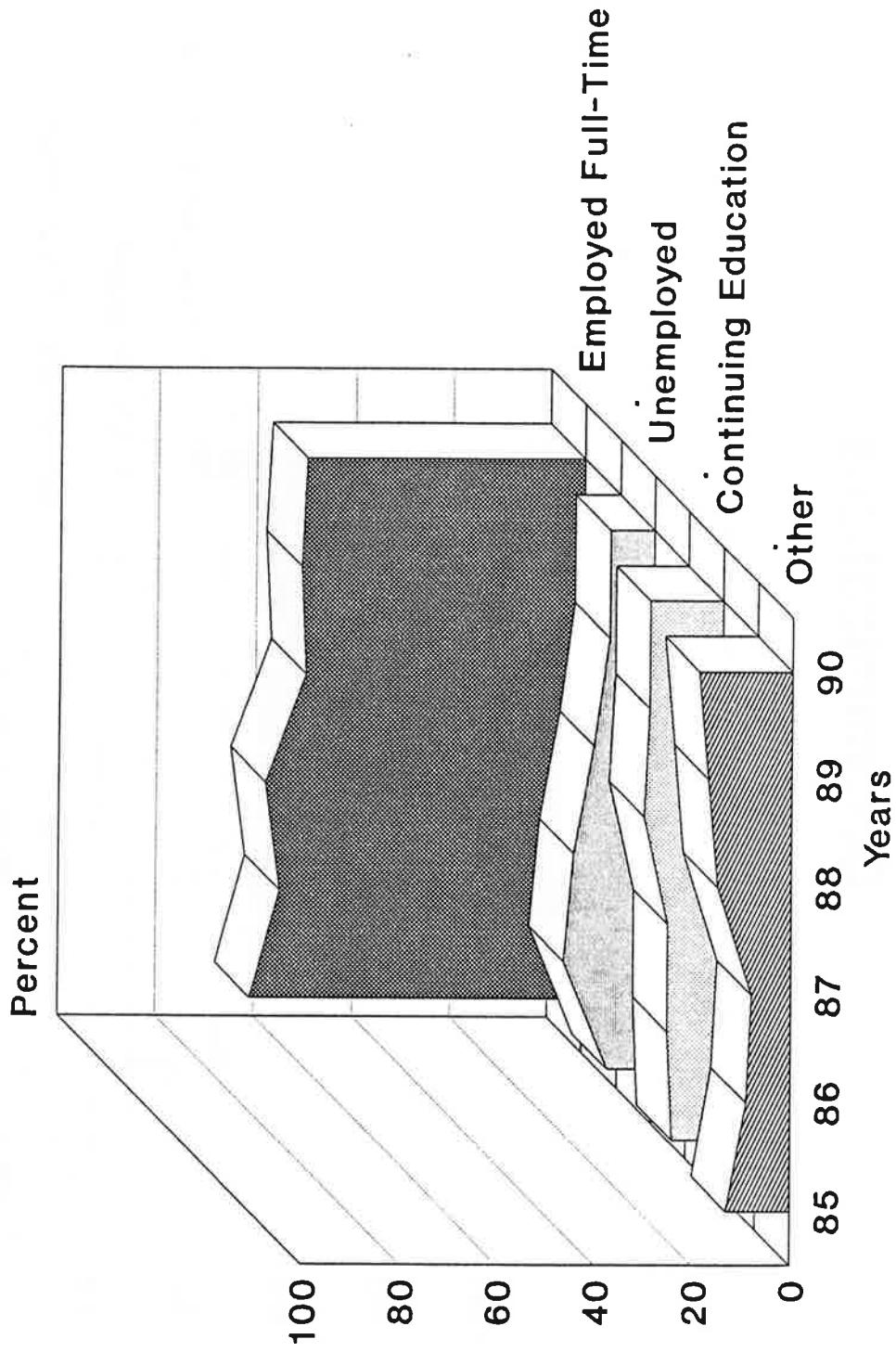
# Five Year Summary Business



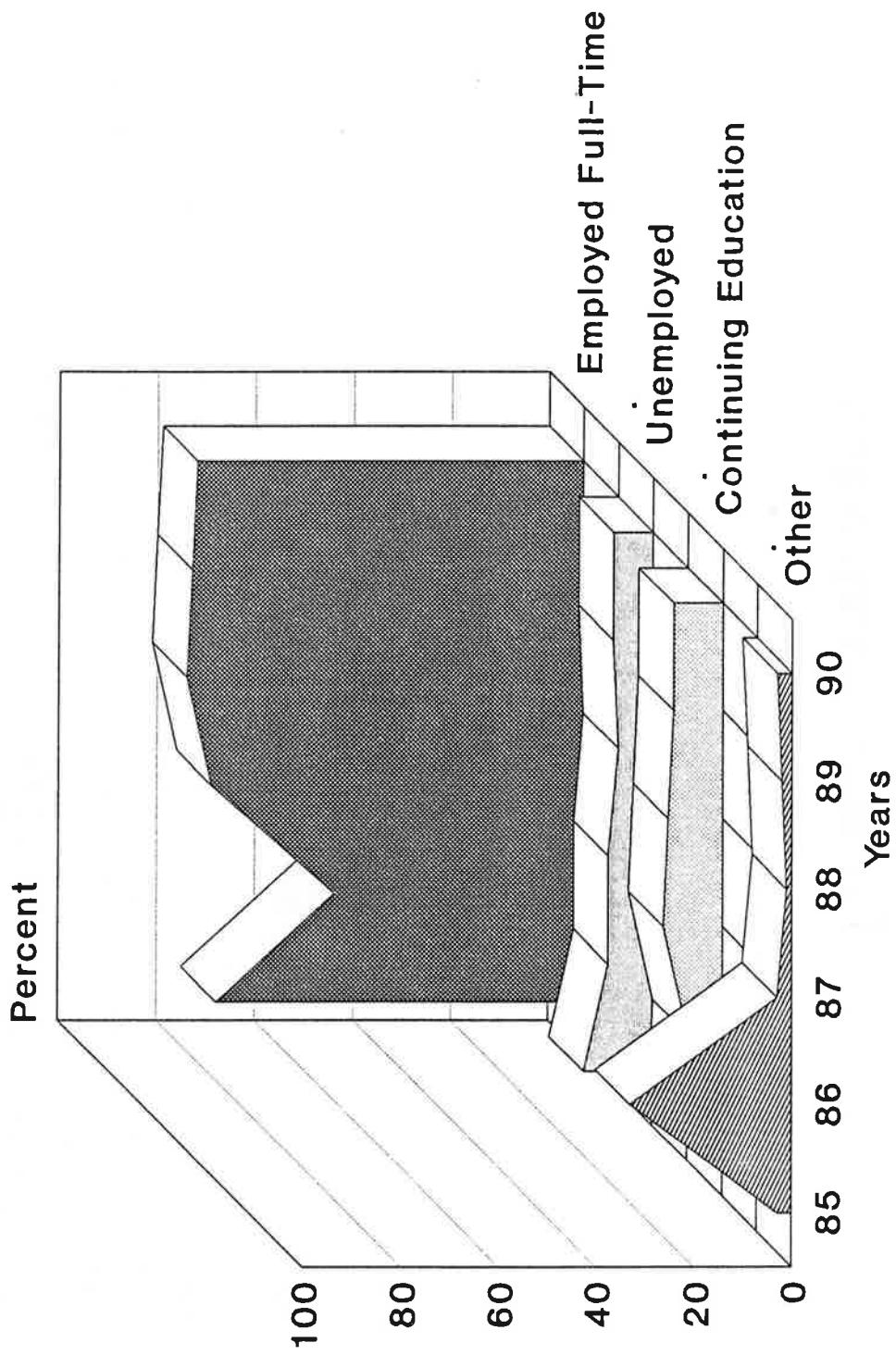
# Five Year Summary Communications



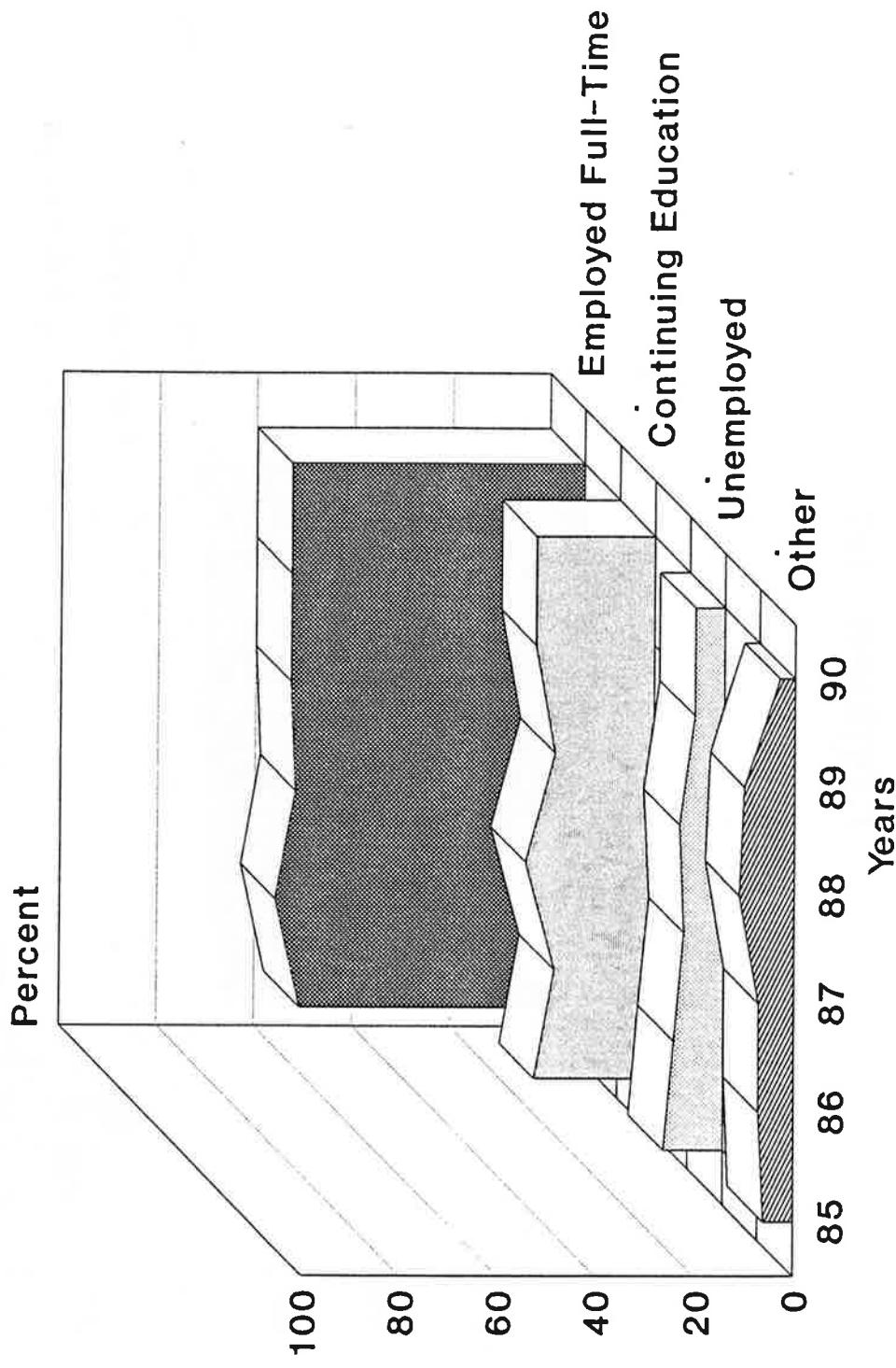
## Five Year Summary Education



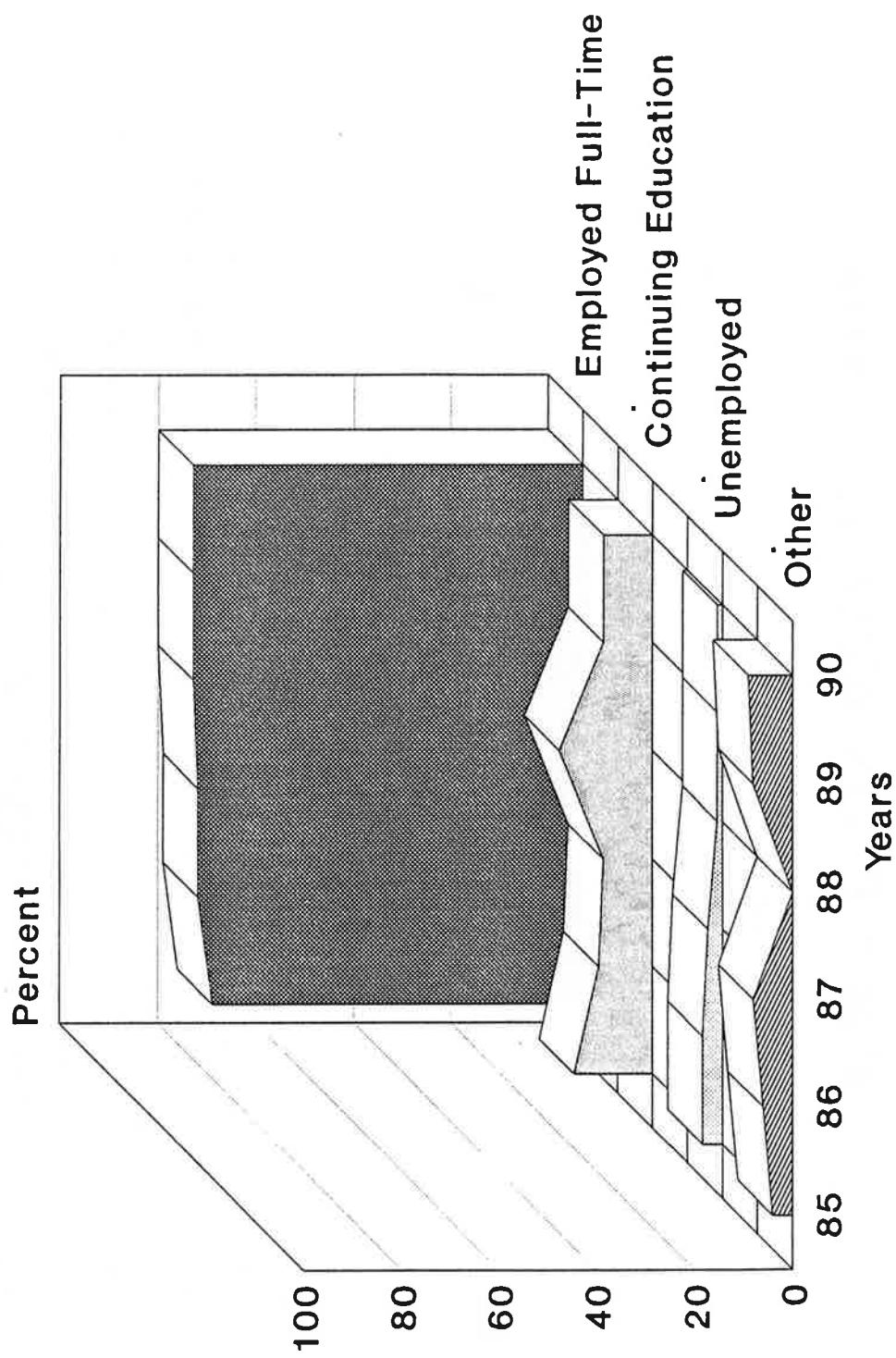
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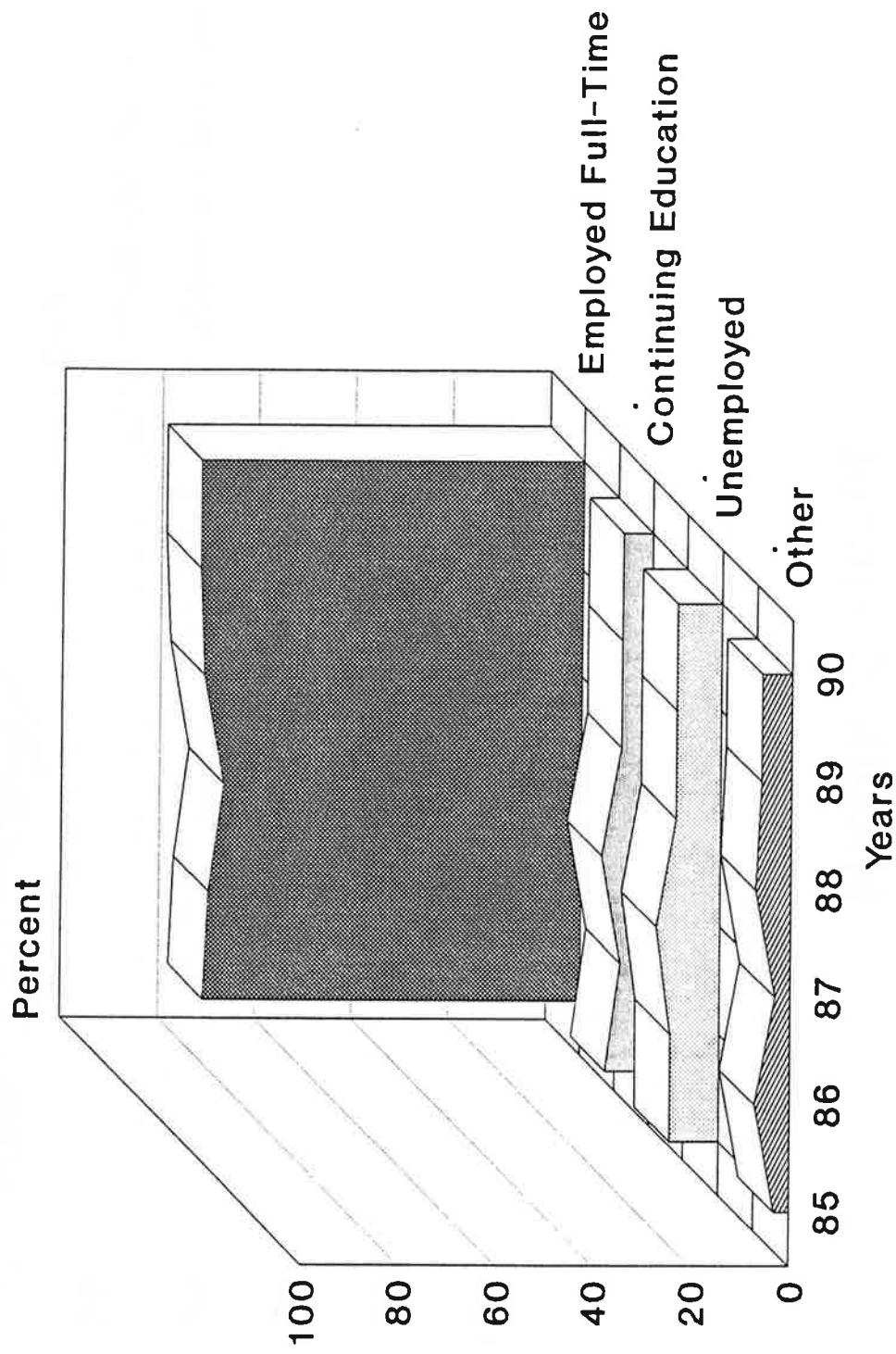
## Five Year Summary Foreign Languages



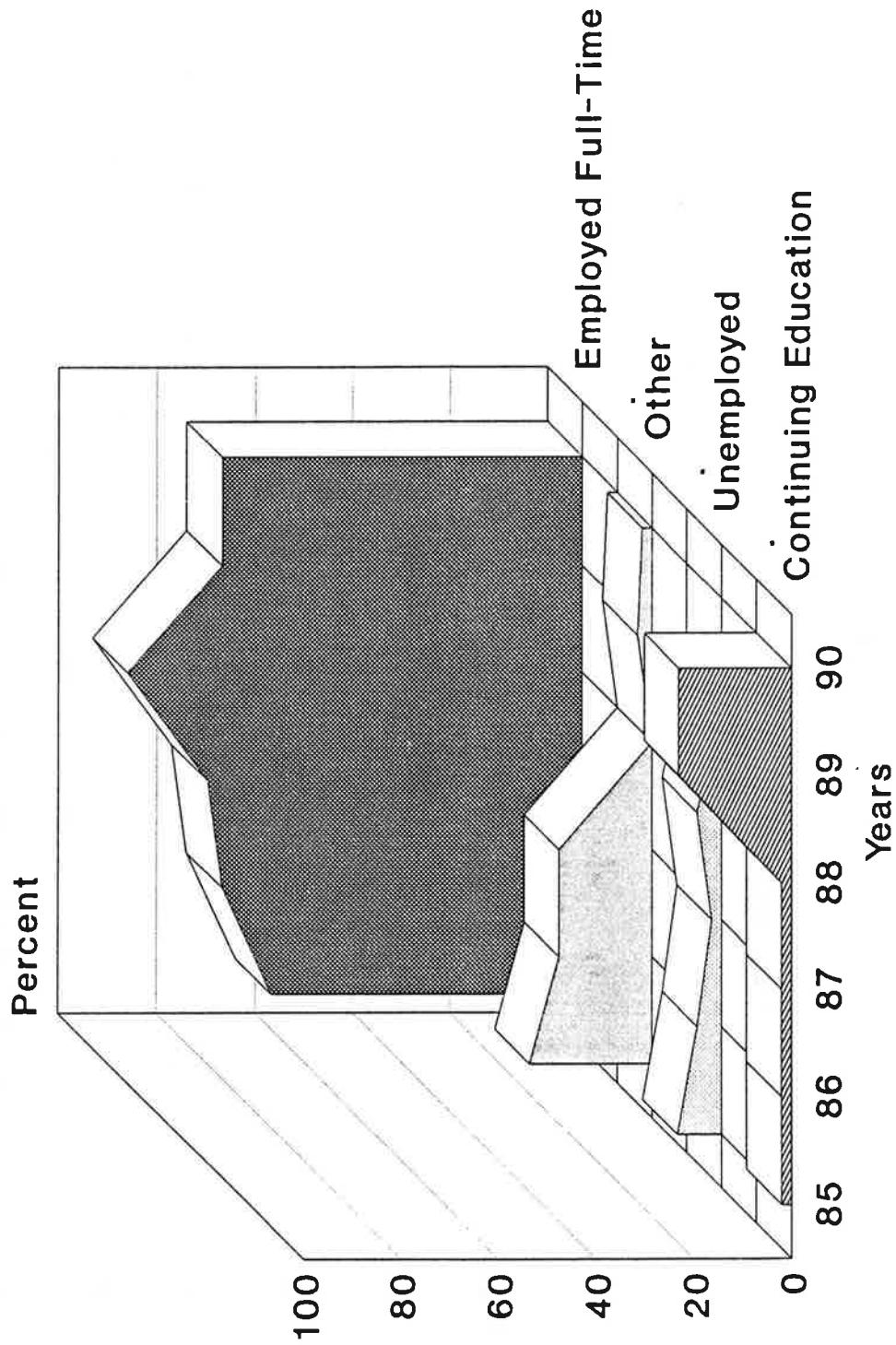
# Five Year Summary Health Sciences



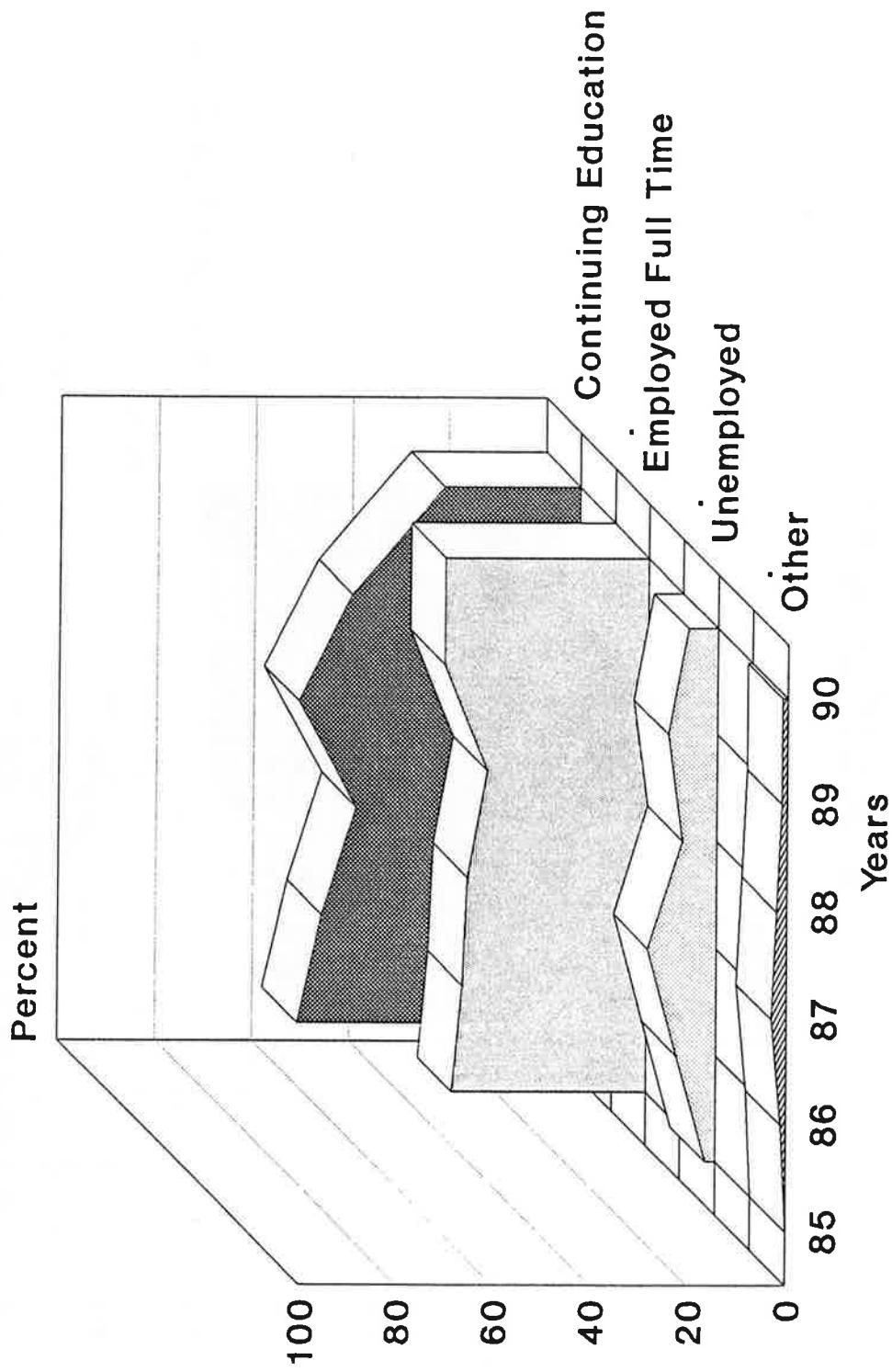
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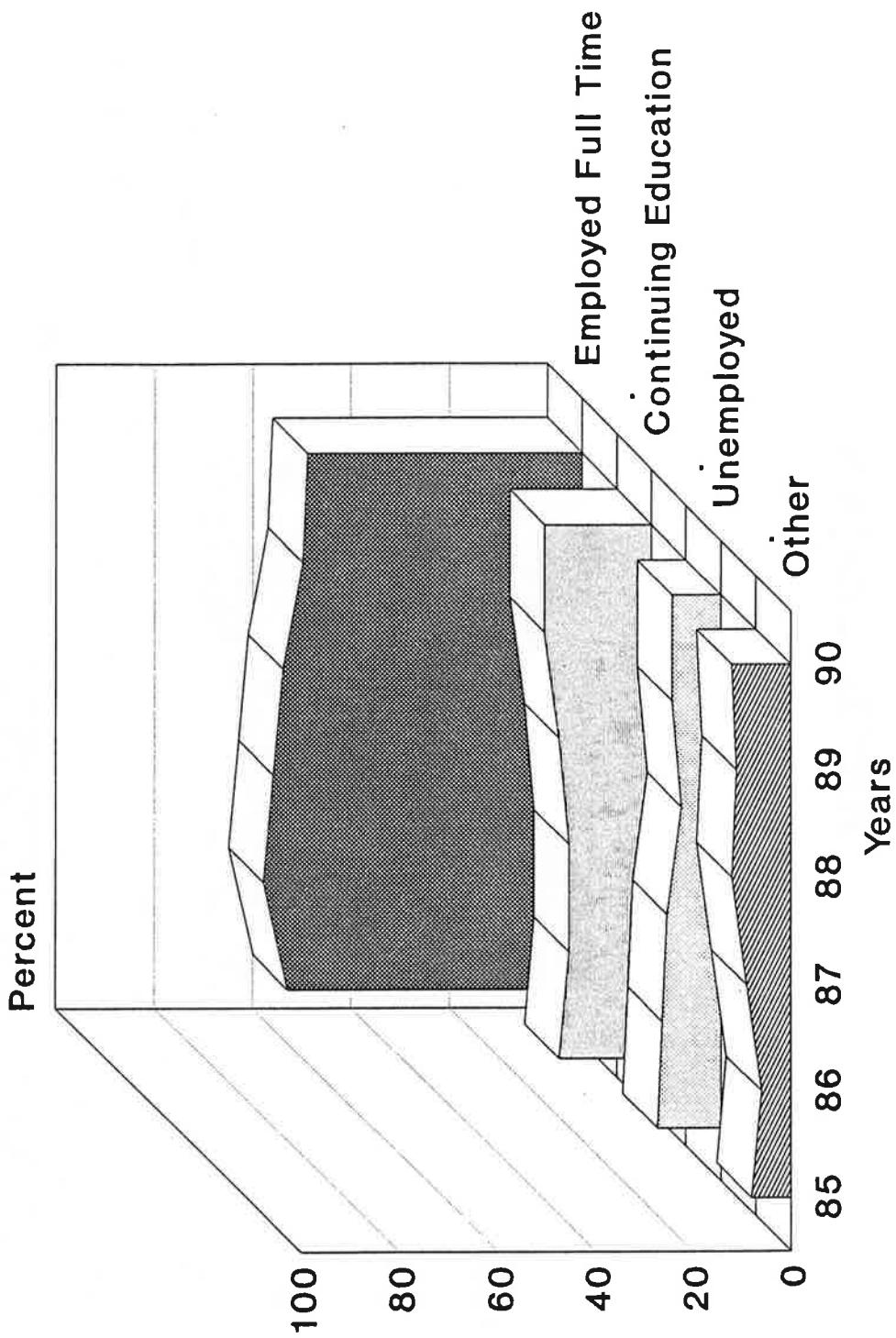
# Five Year Summary Industrial Arts



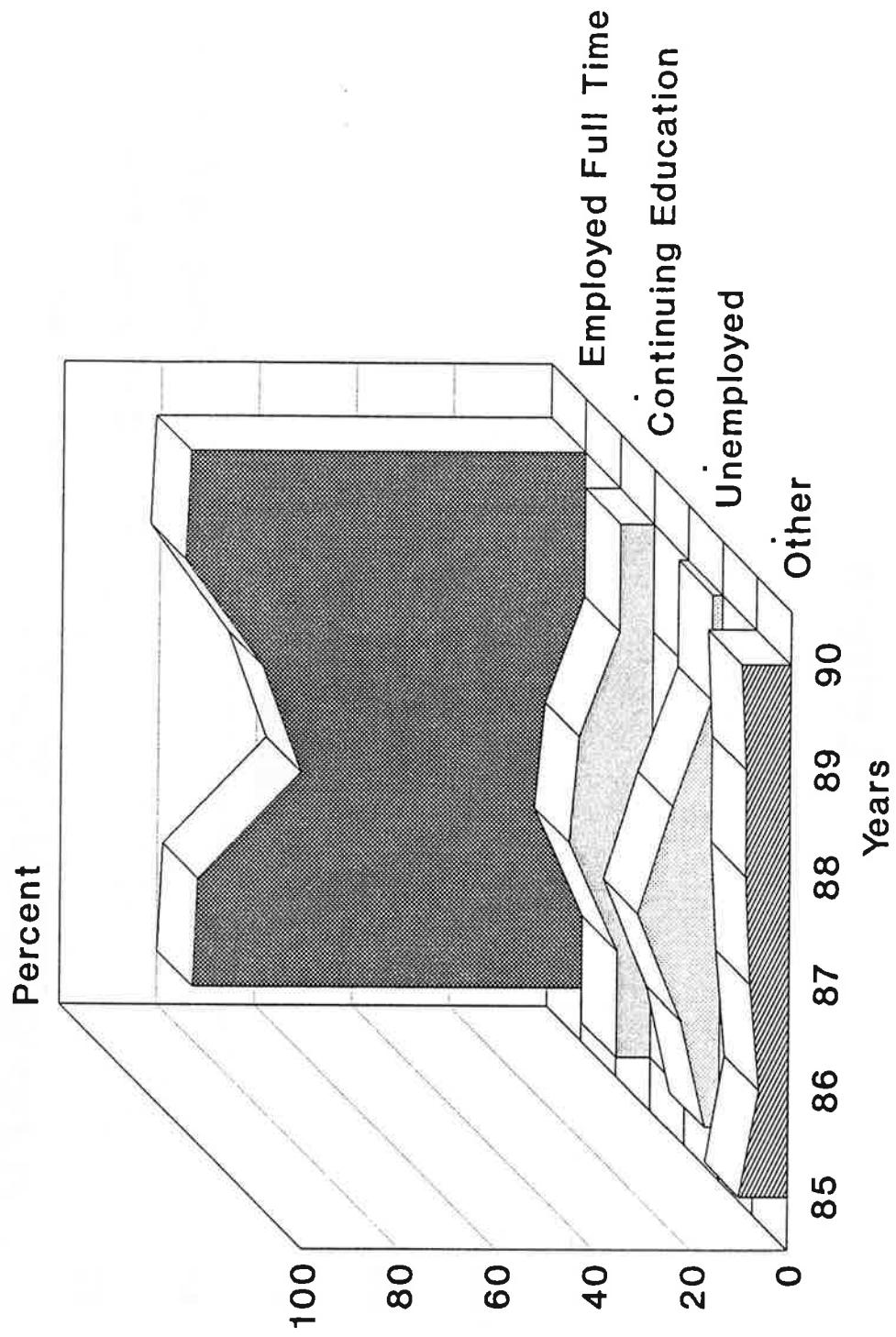
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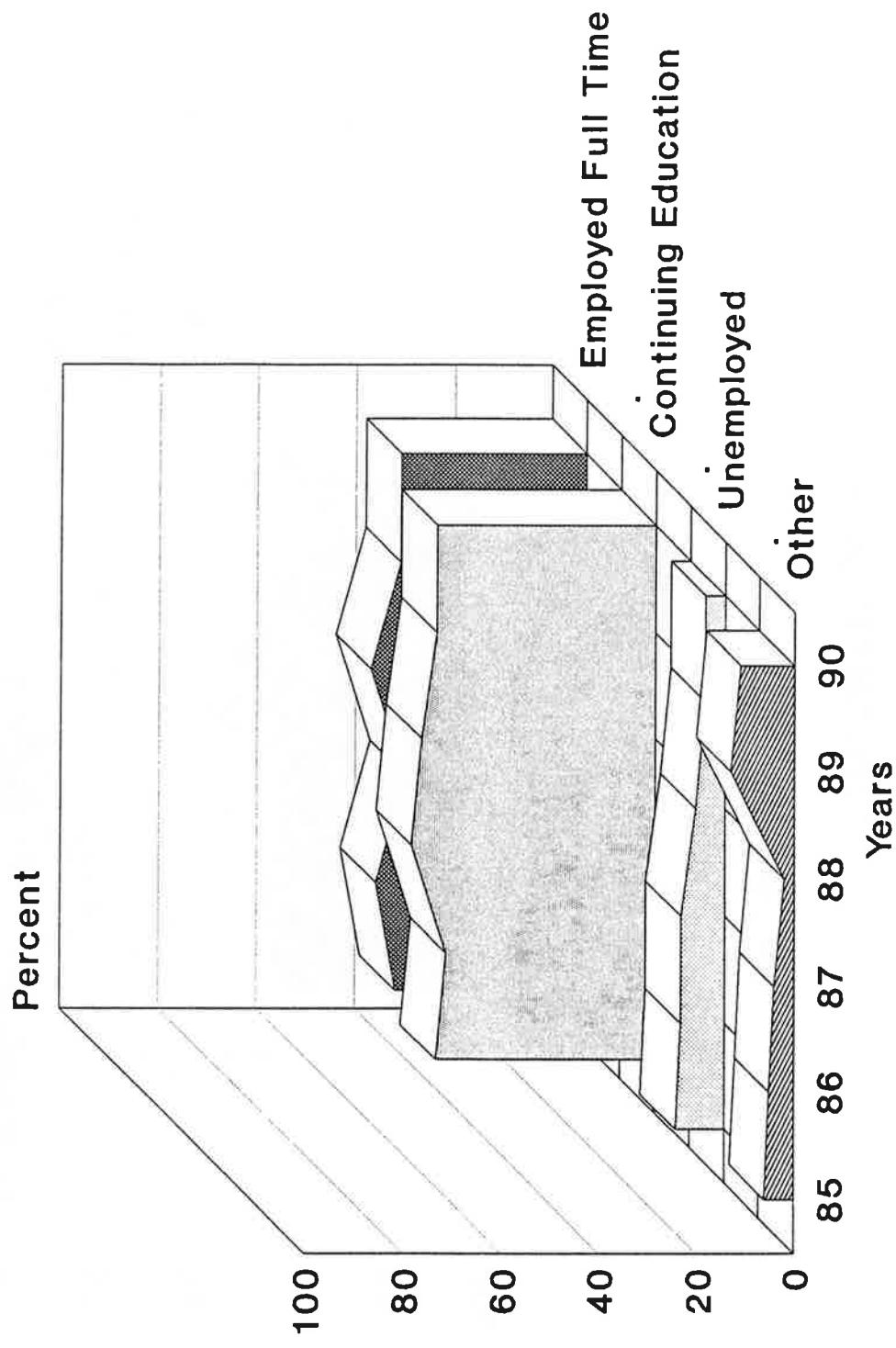
## Five Year Summary Letters



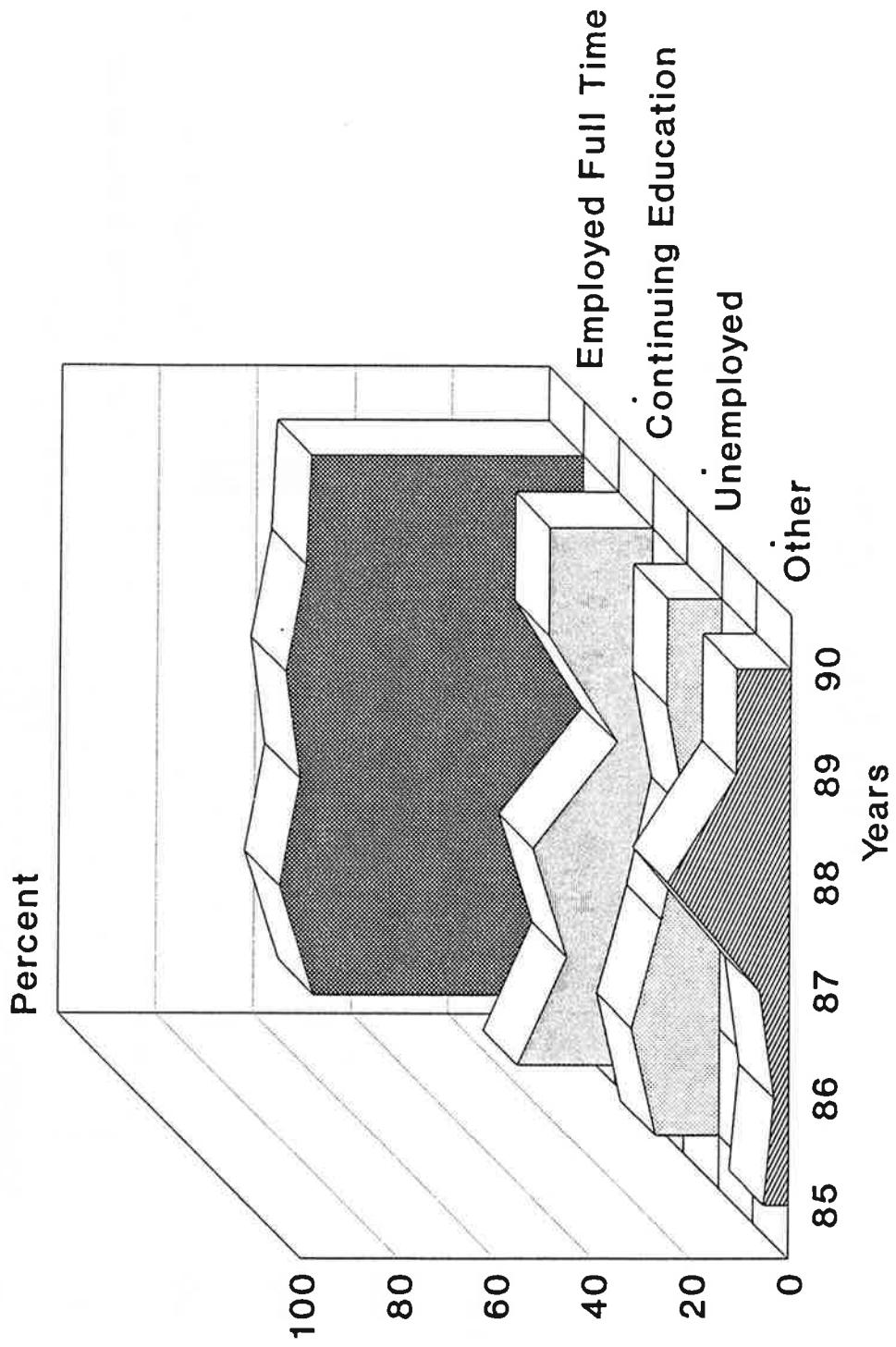
# Five Year Summary Liberal Studies



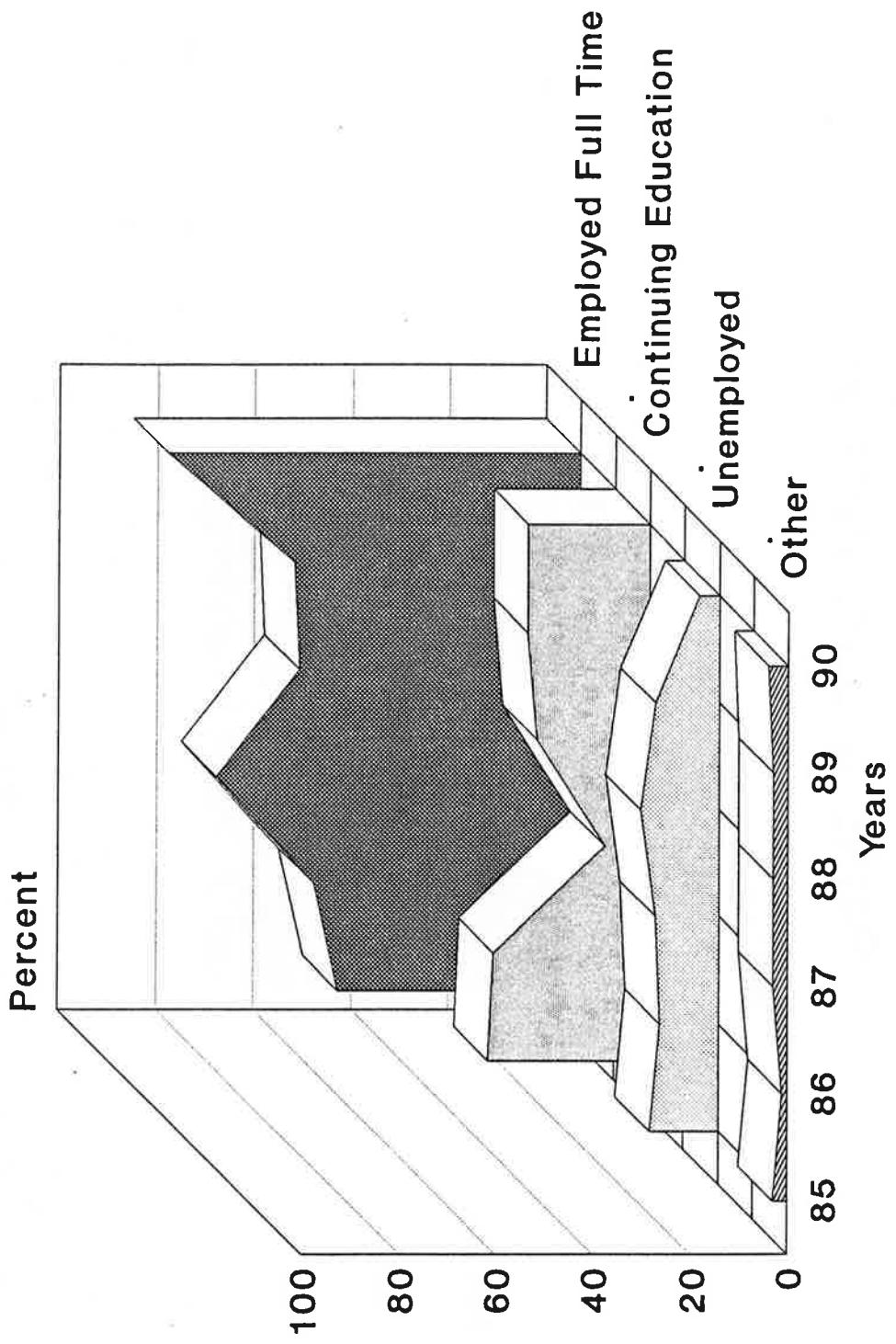
# Five Year Summary Life Sciences



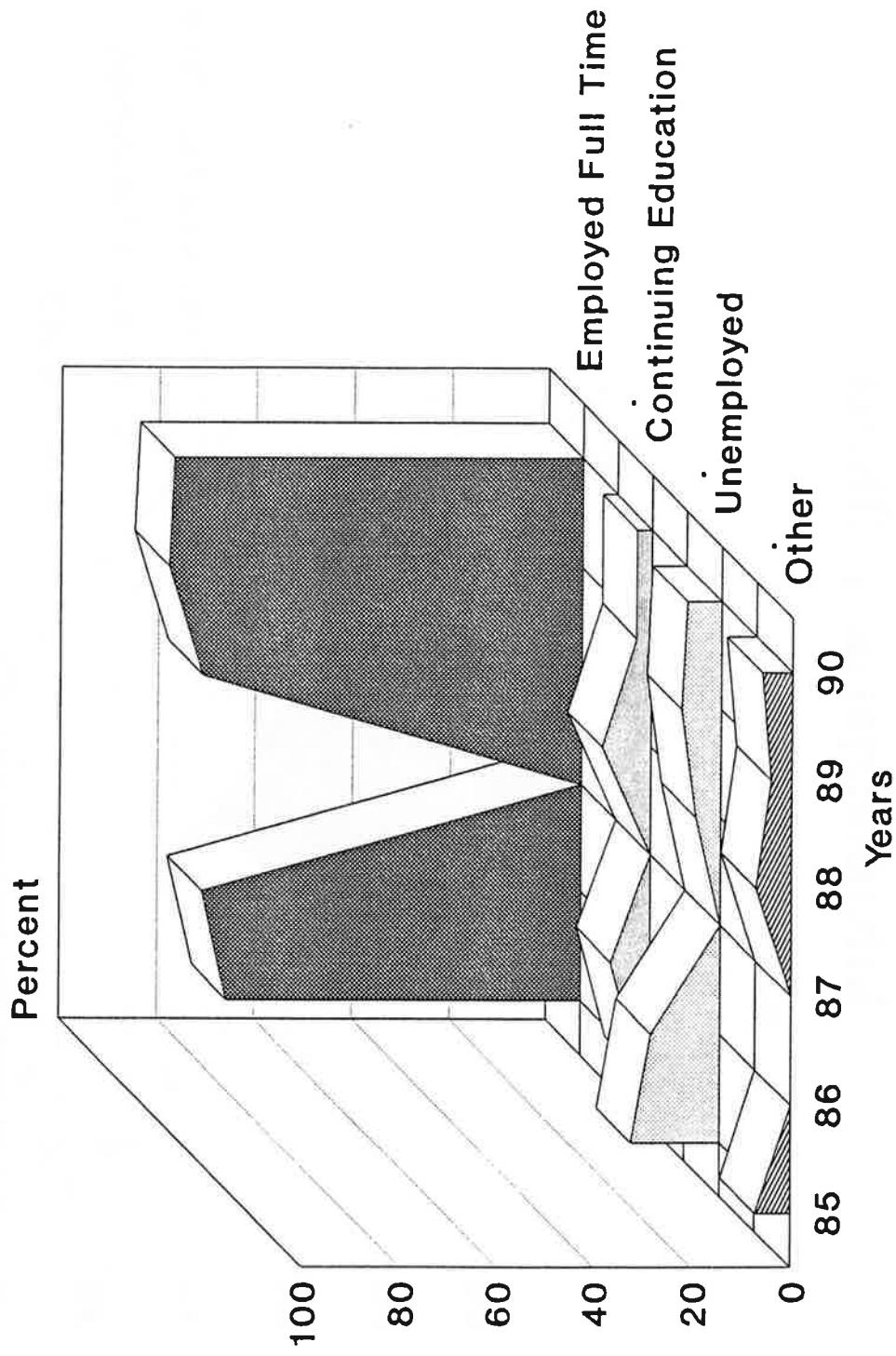
# Five Year Summary Mathematics



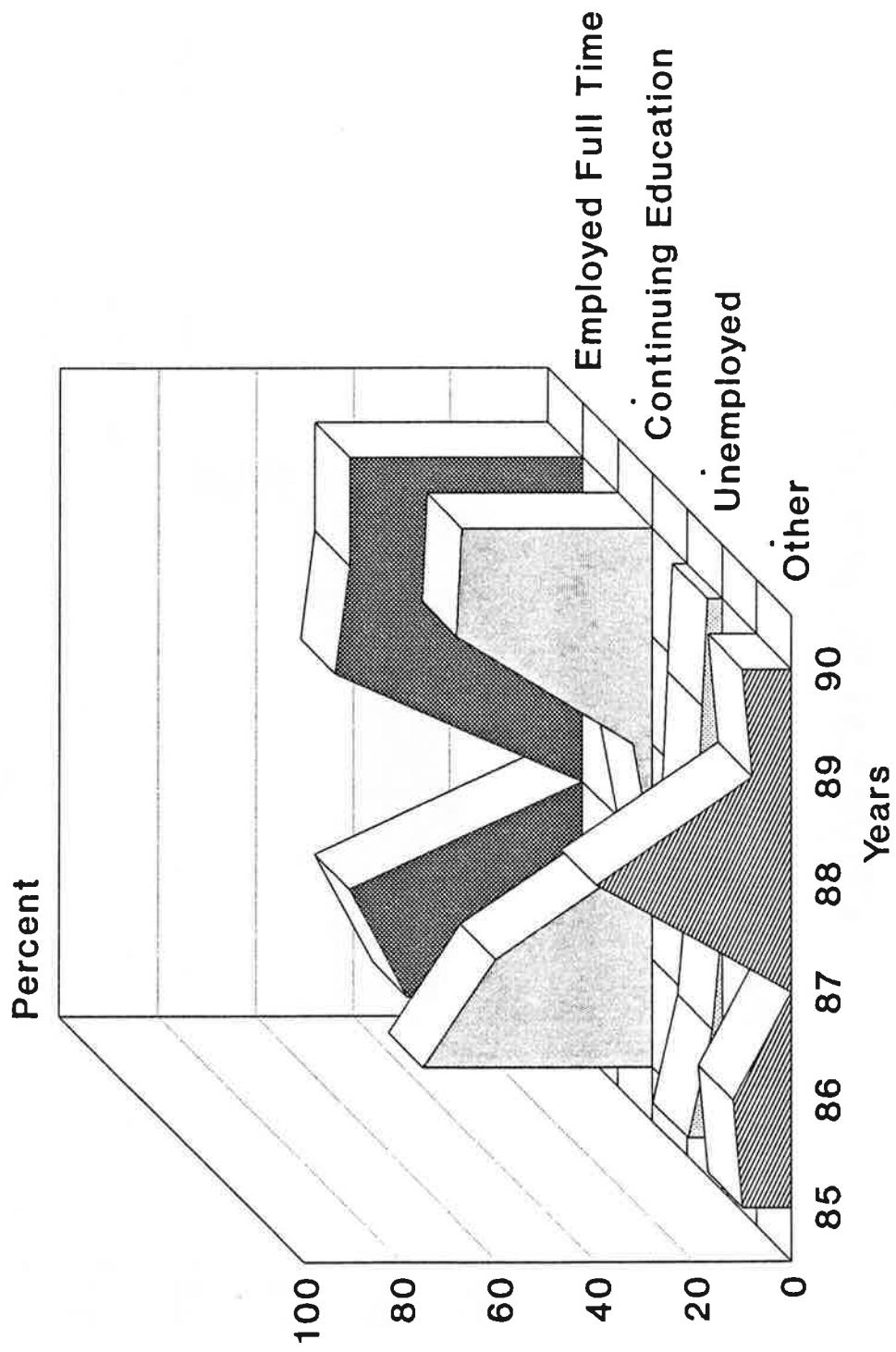
# Five Year Summary Interdisciplinary Studies



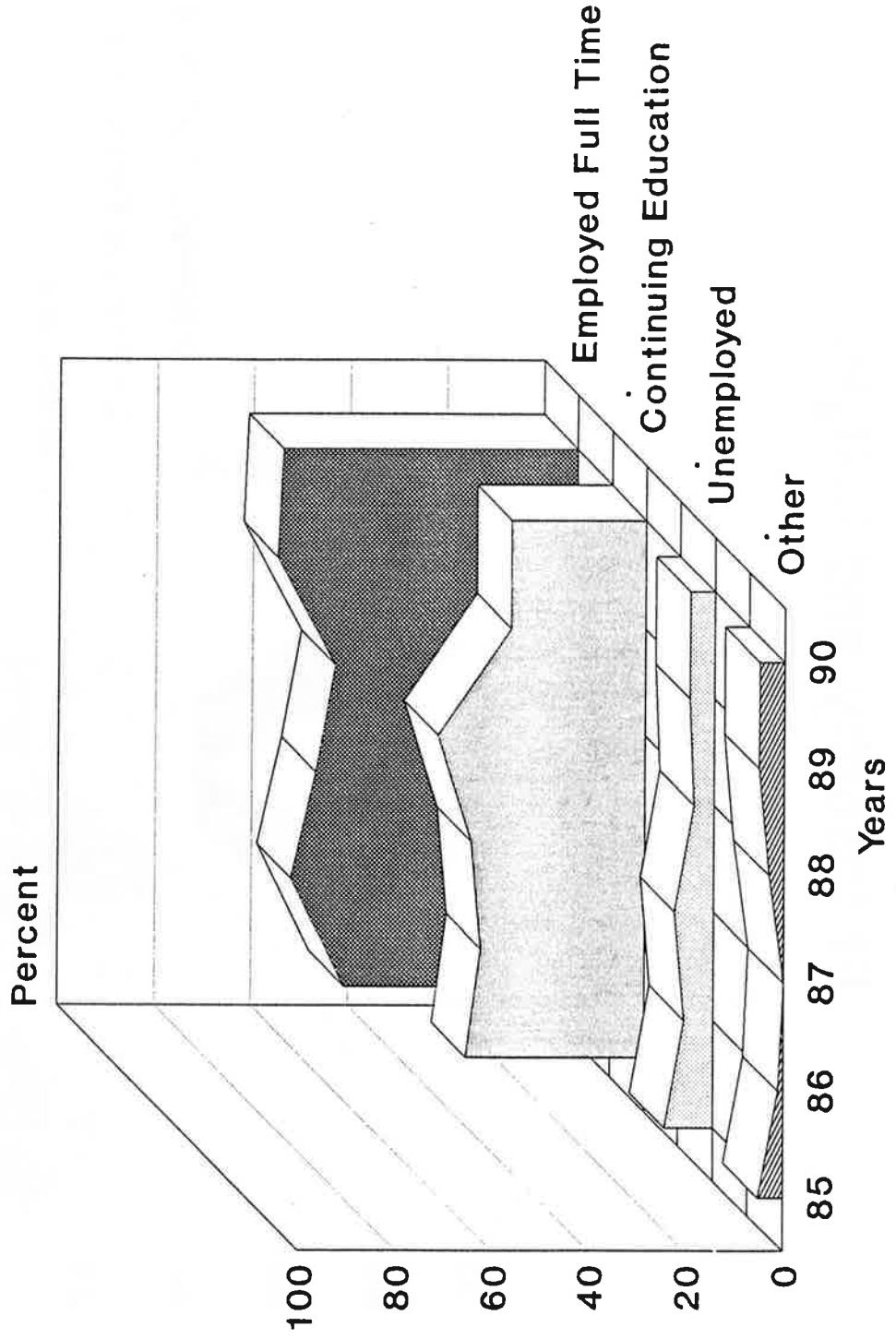
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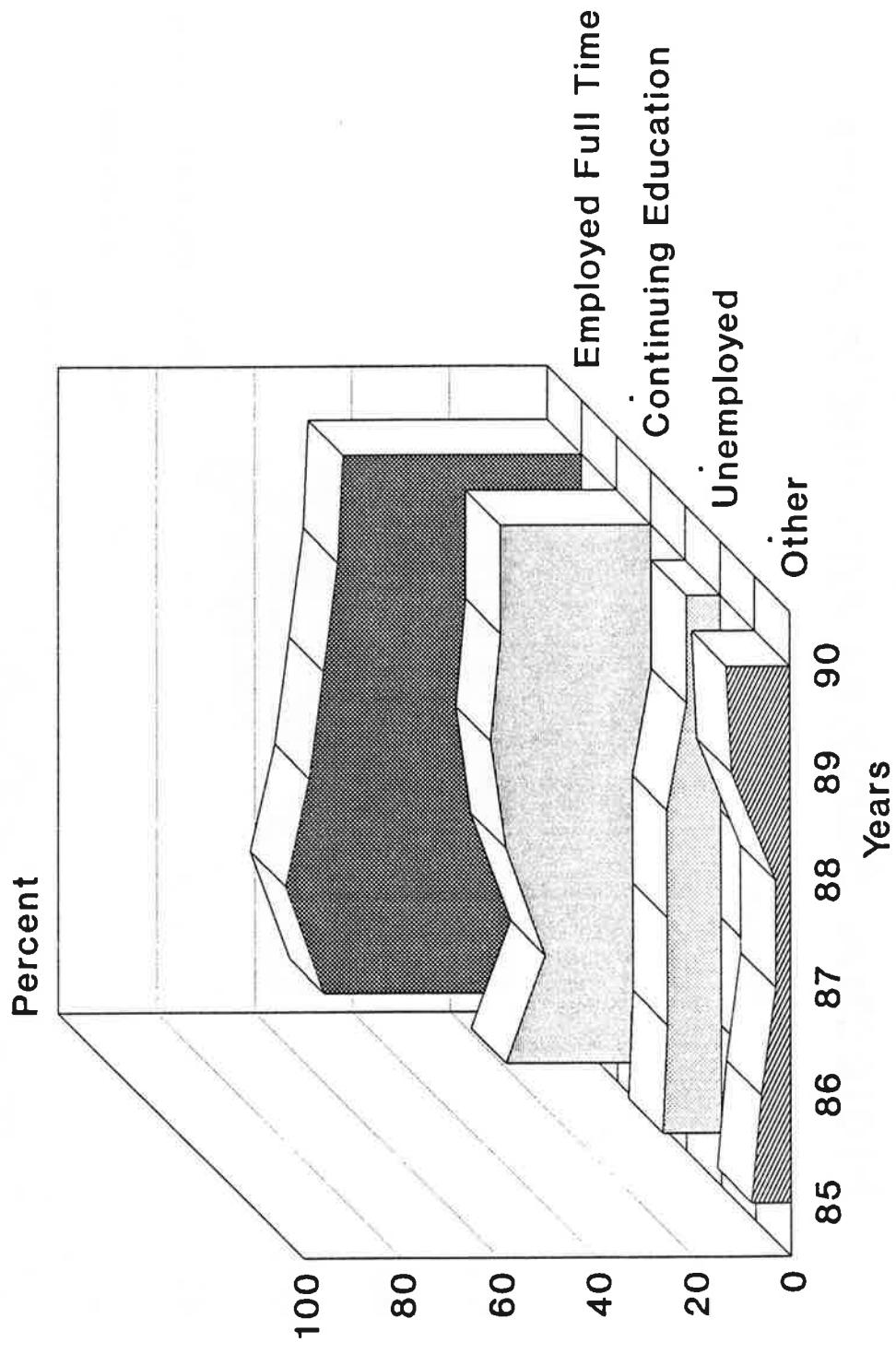
# Five Year Summary Philosophy and Religion



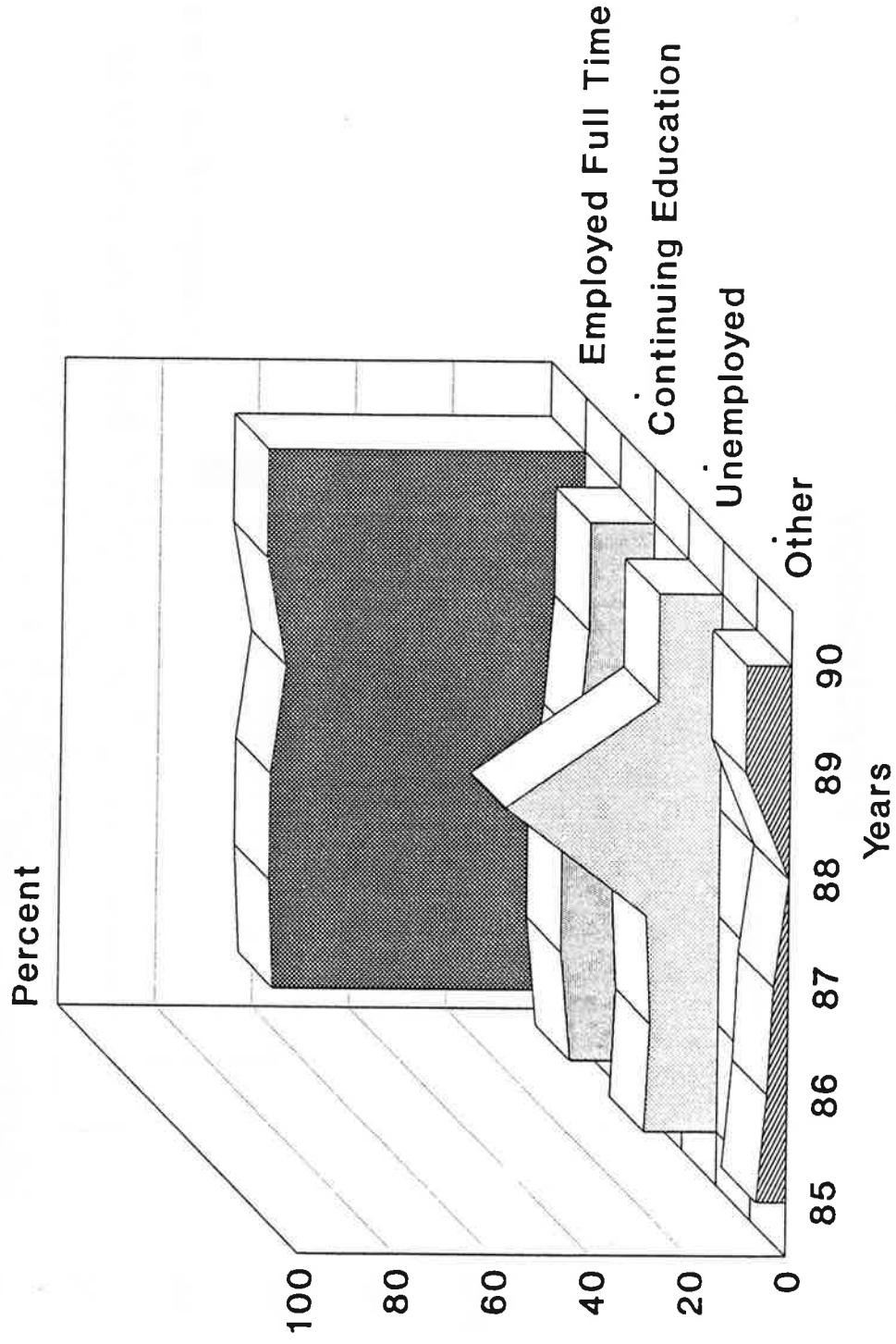
# Five Year Summary Physical Sciences



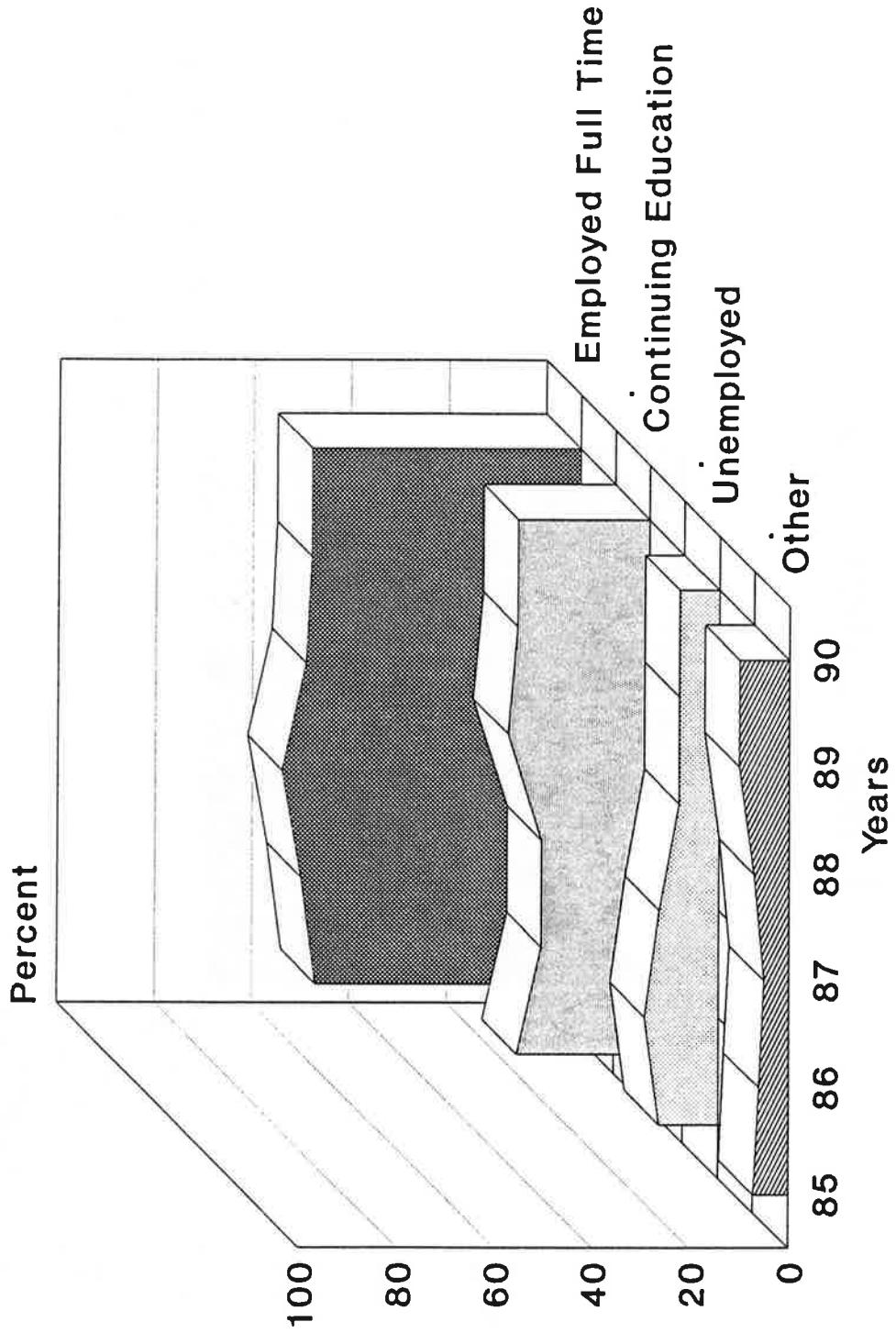
# Five Year Summary Psychology



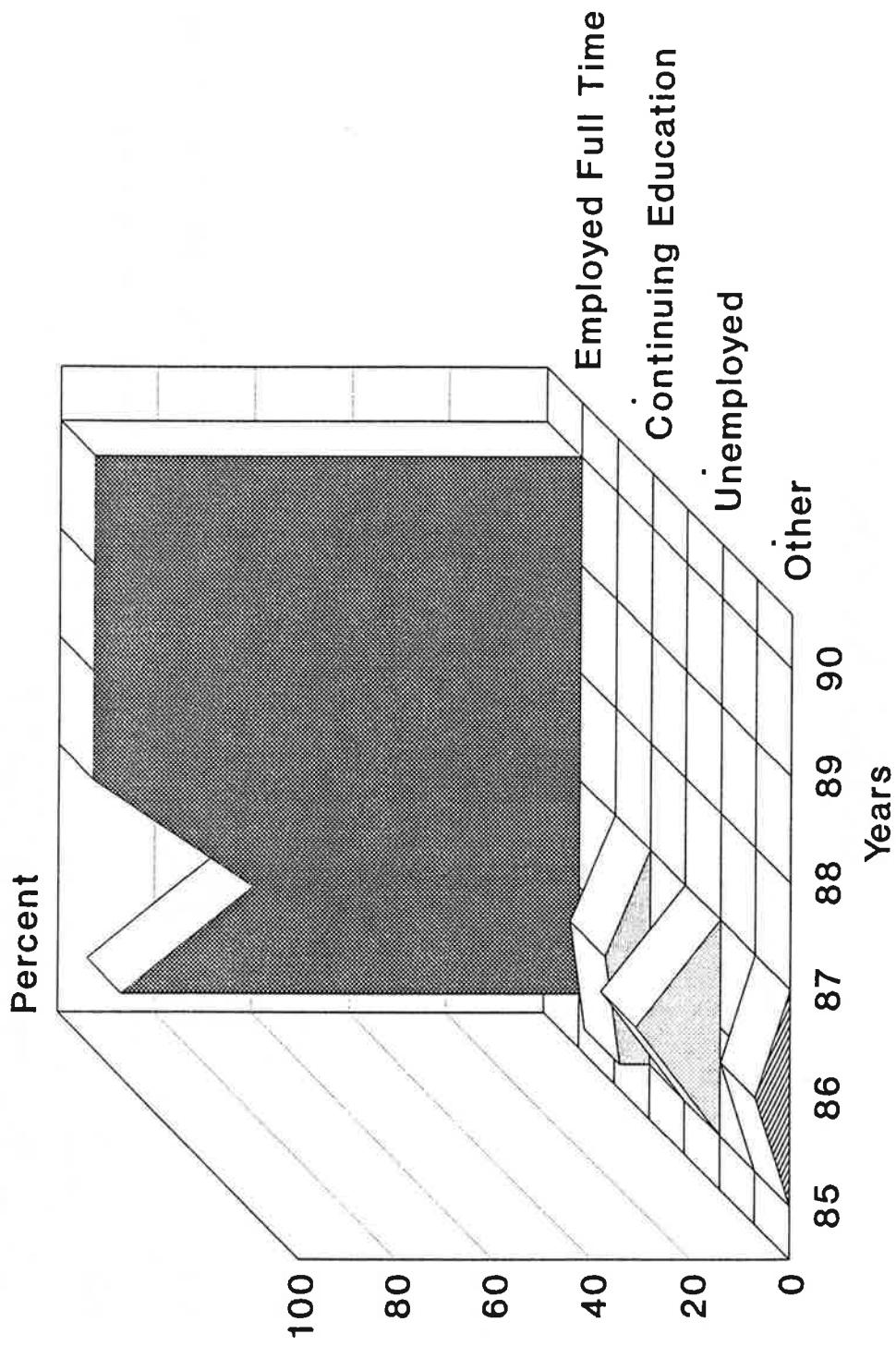
# Five Year Summary Protective Services and Public Affairs



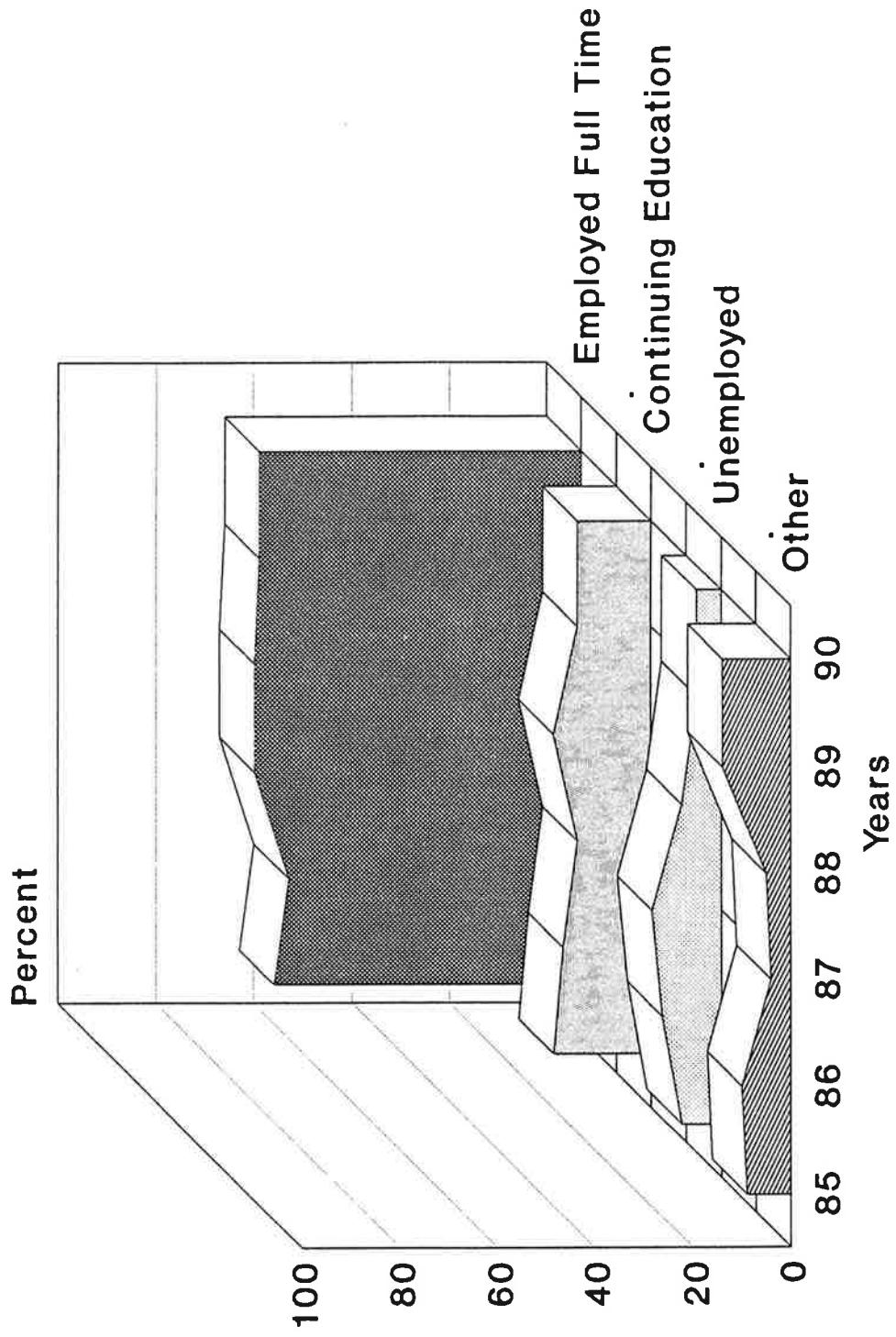
# Five Year Summary Social Science



# Five Year Summary Trade & Industrial



# Five Year Summary Visual & Performing Arts

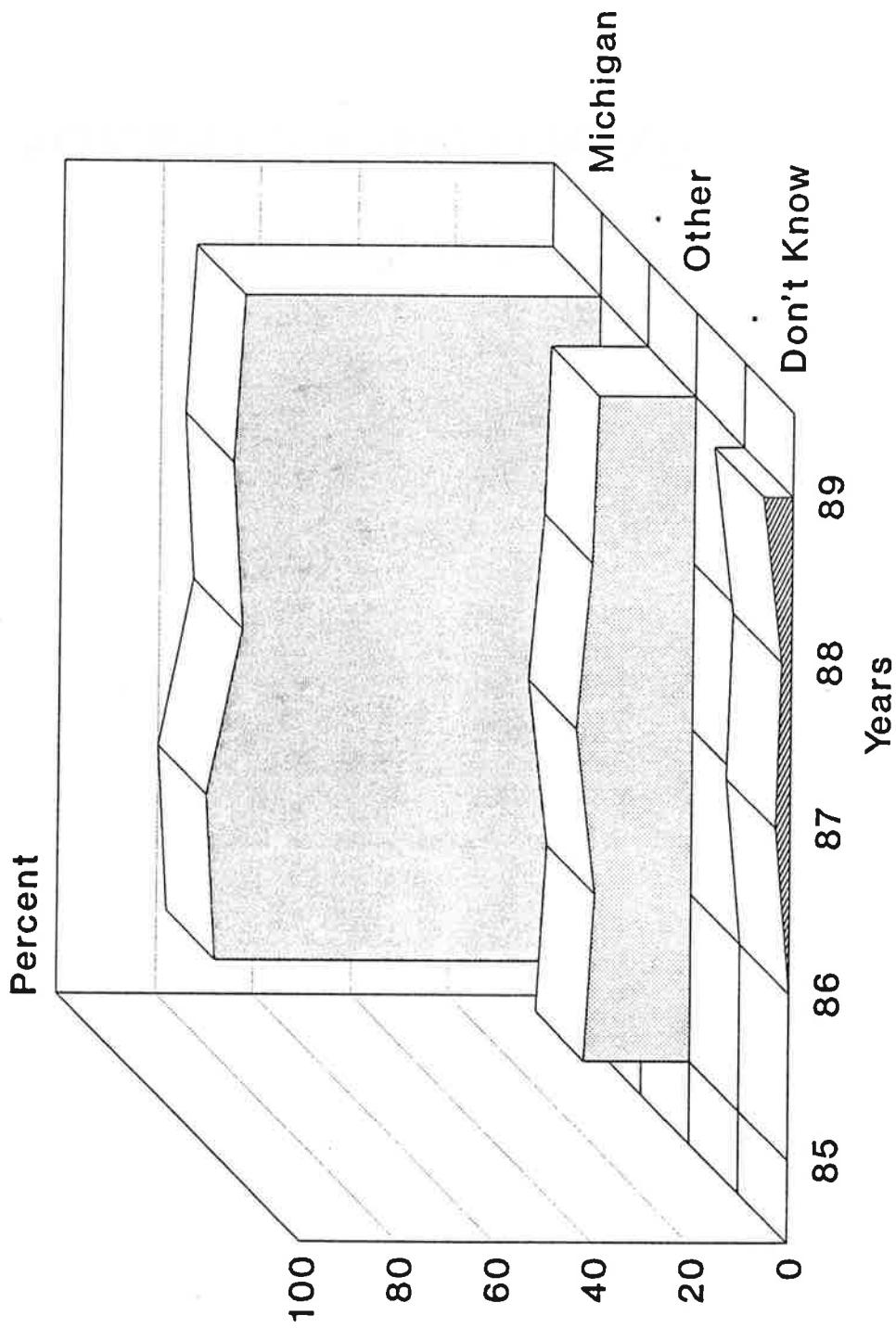




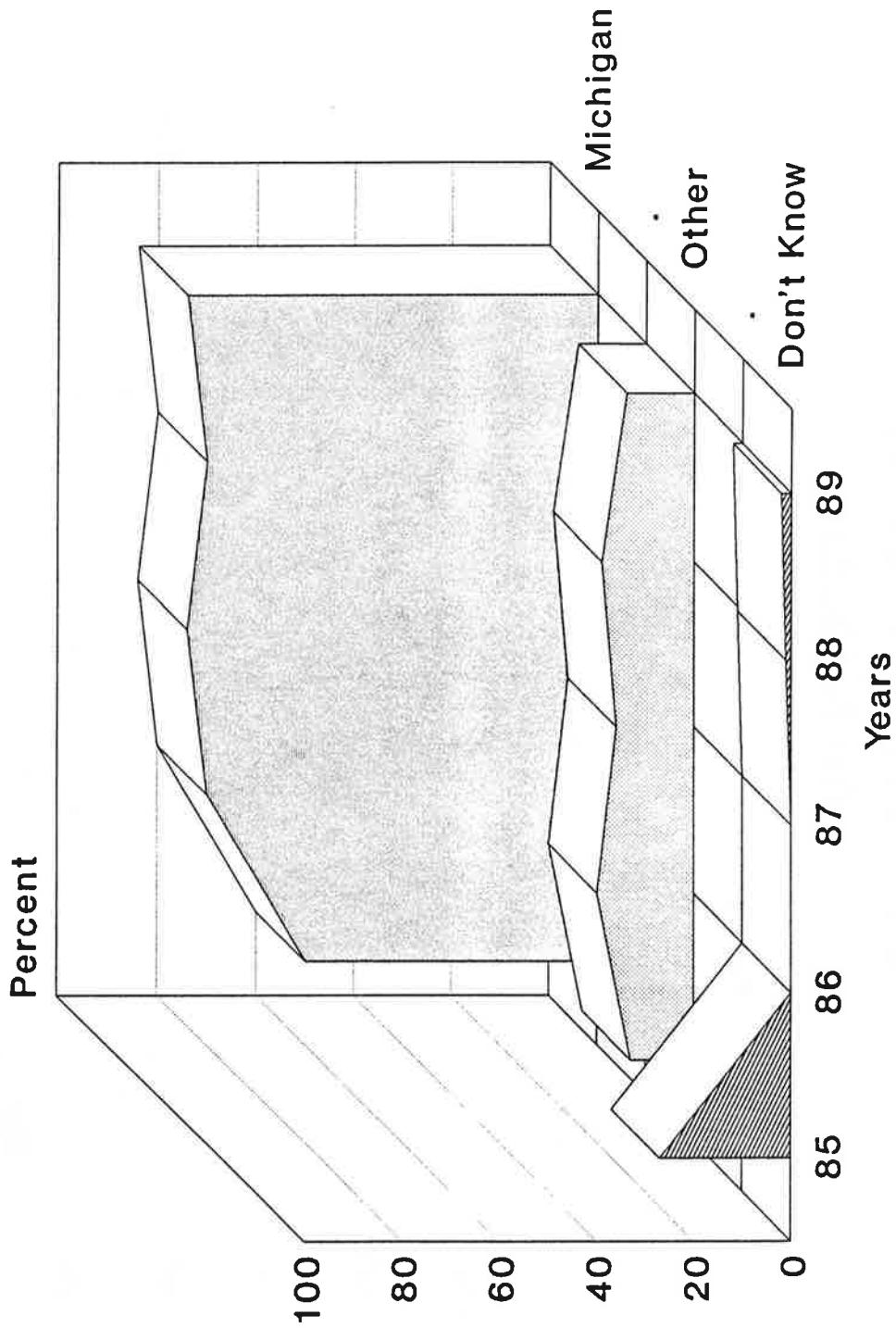
# **EMPLOYMENT TRENDS**

## **Job Location**

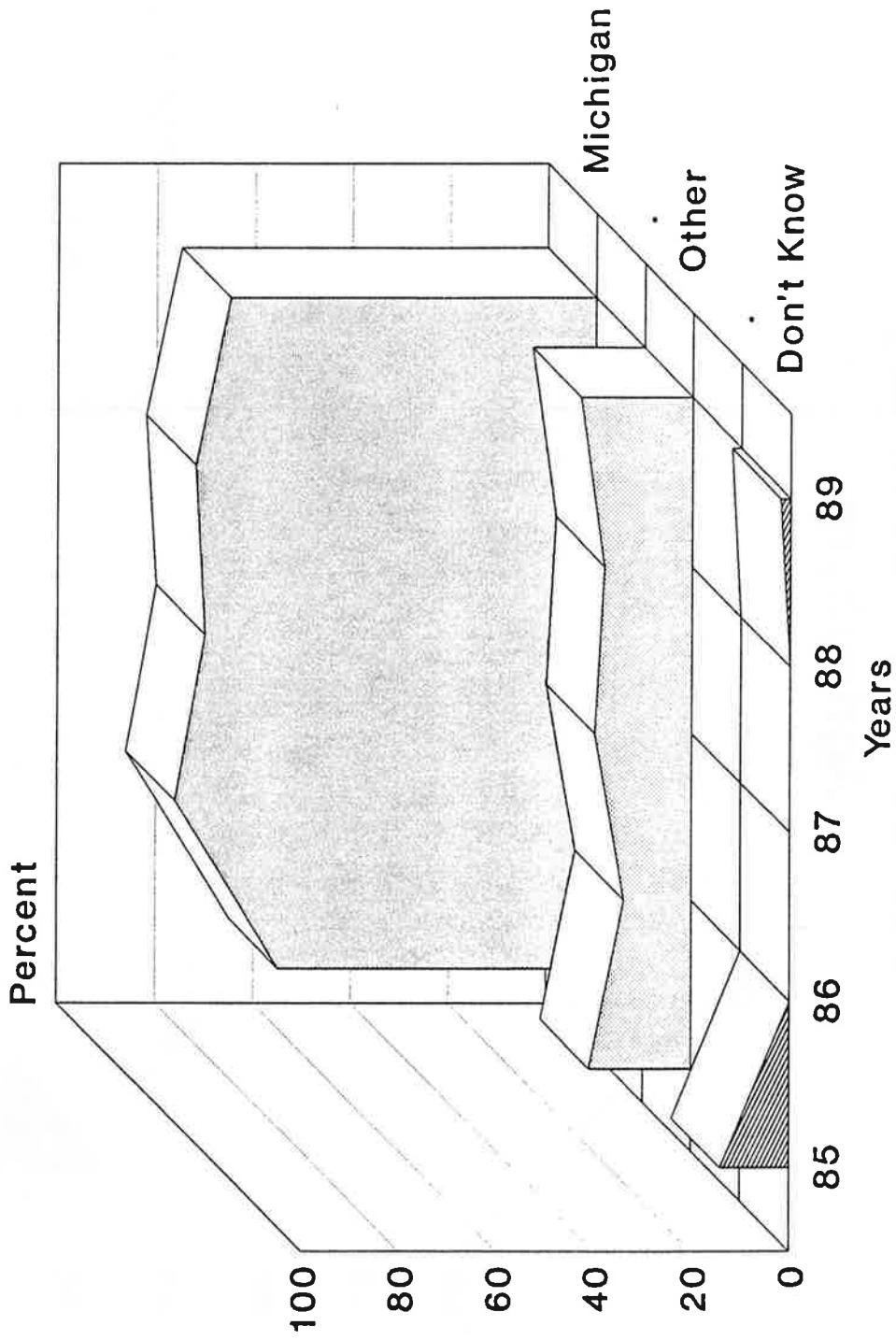
## Job Location Summary All Graduates



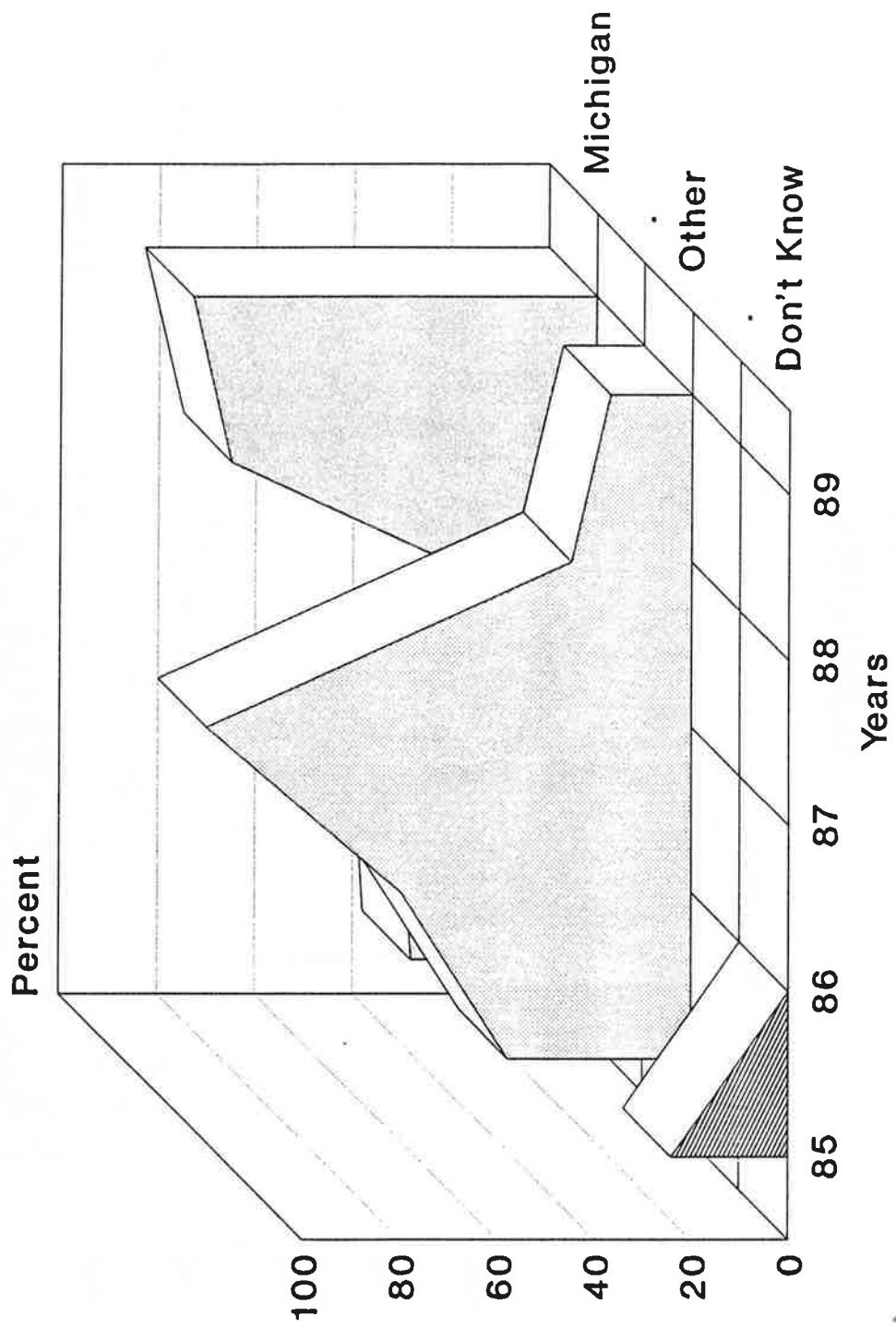
# Job Location Summary Agriculture



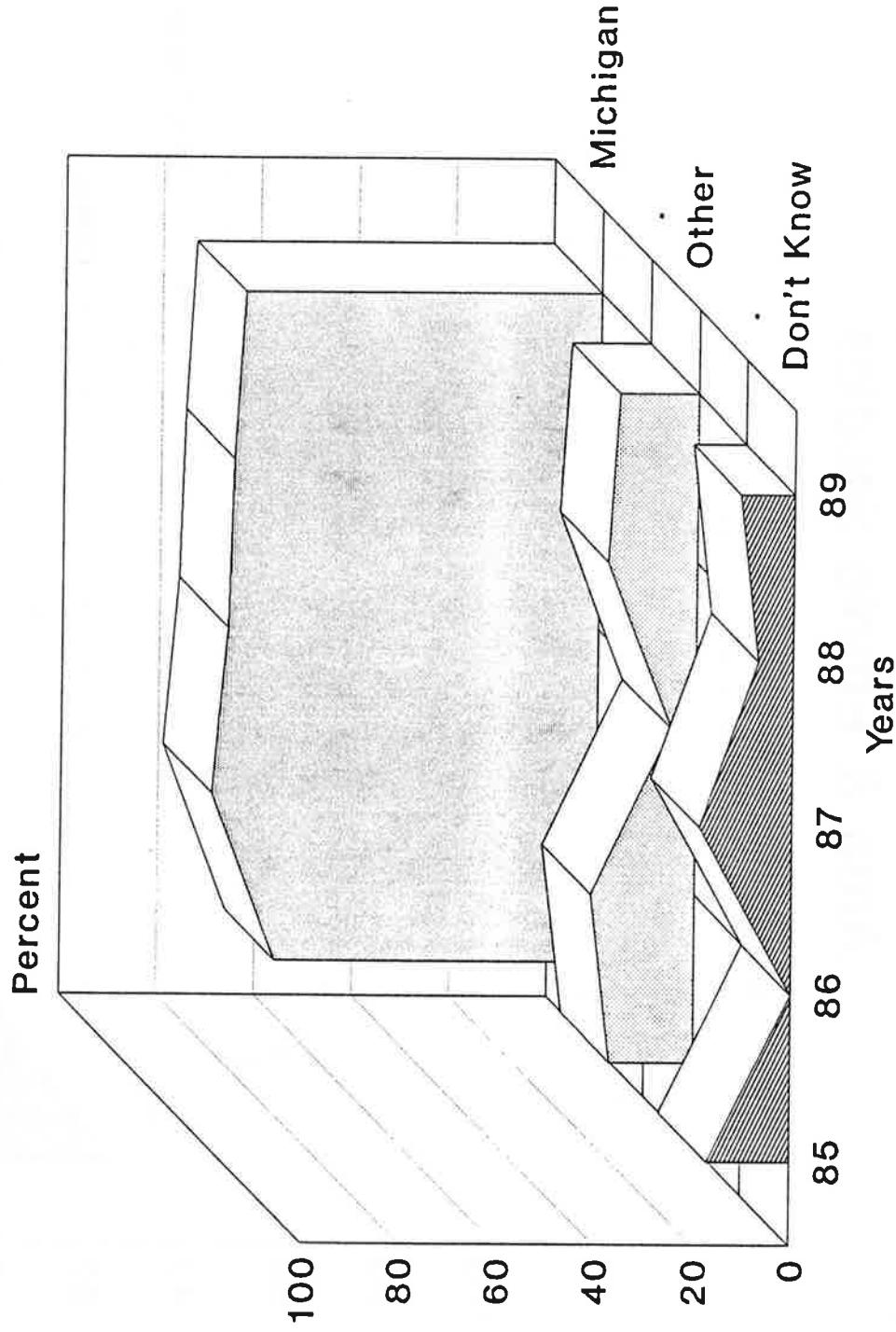
# Job Location Summary Architecture



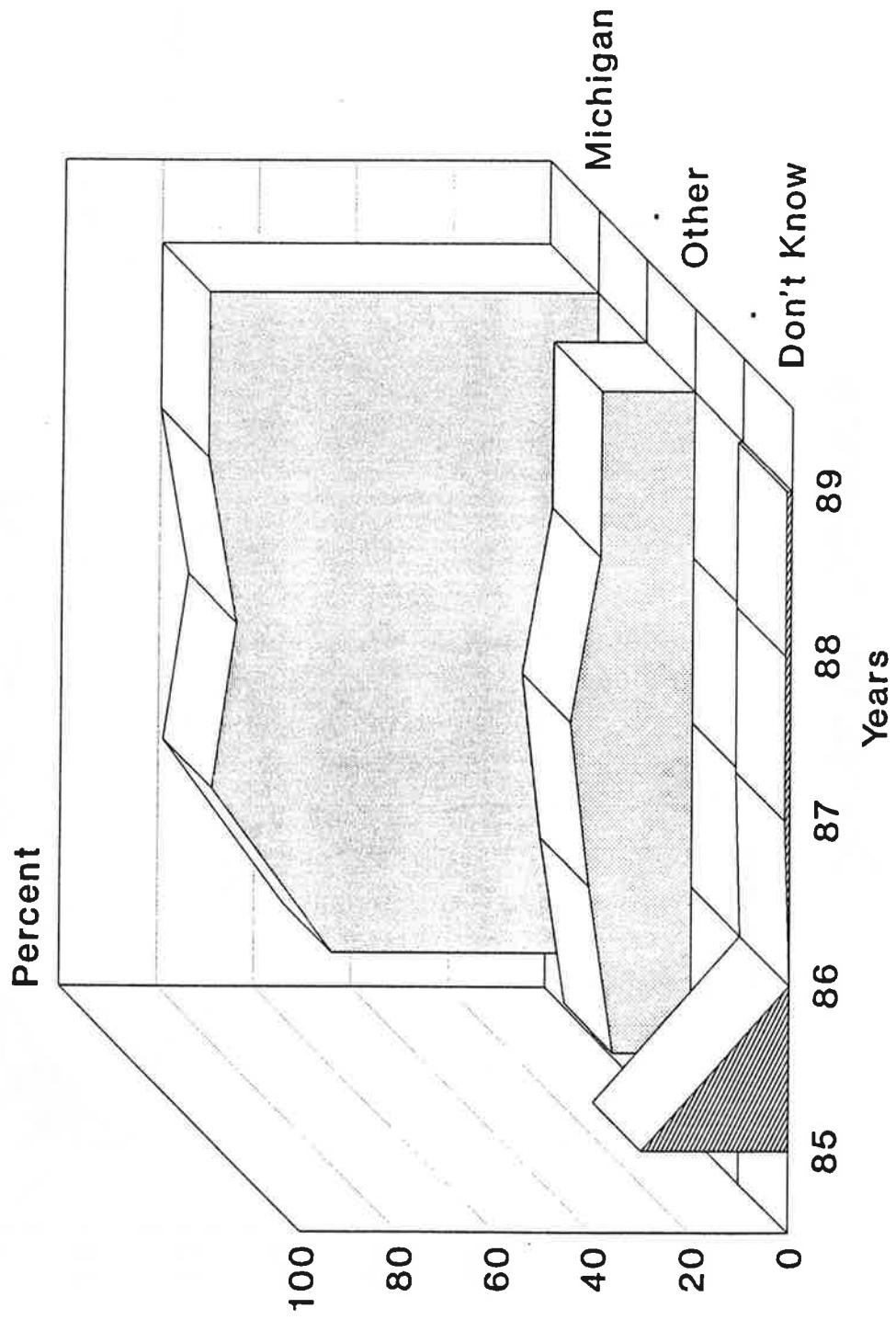
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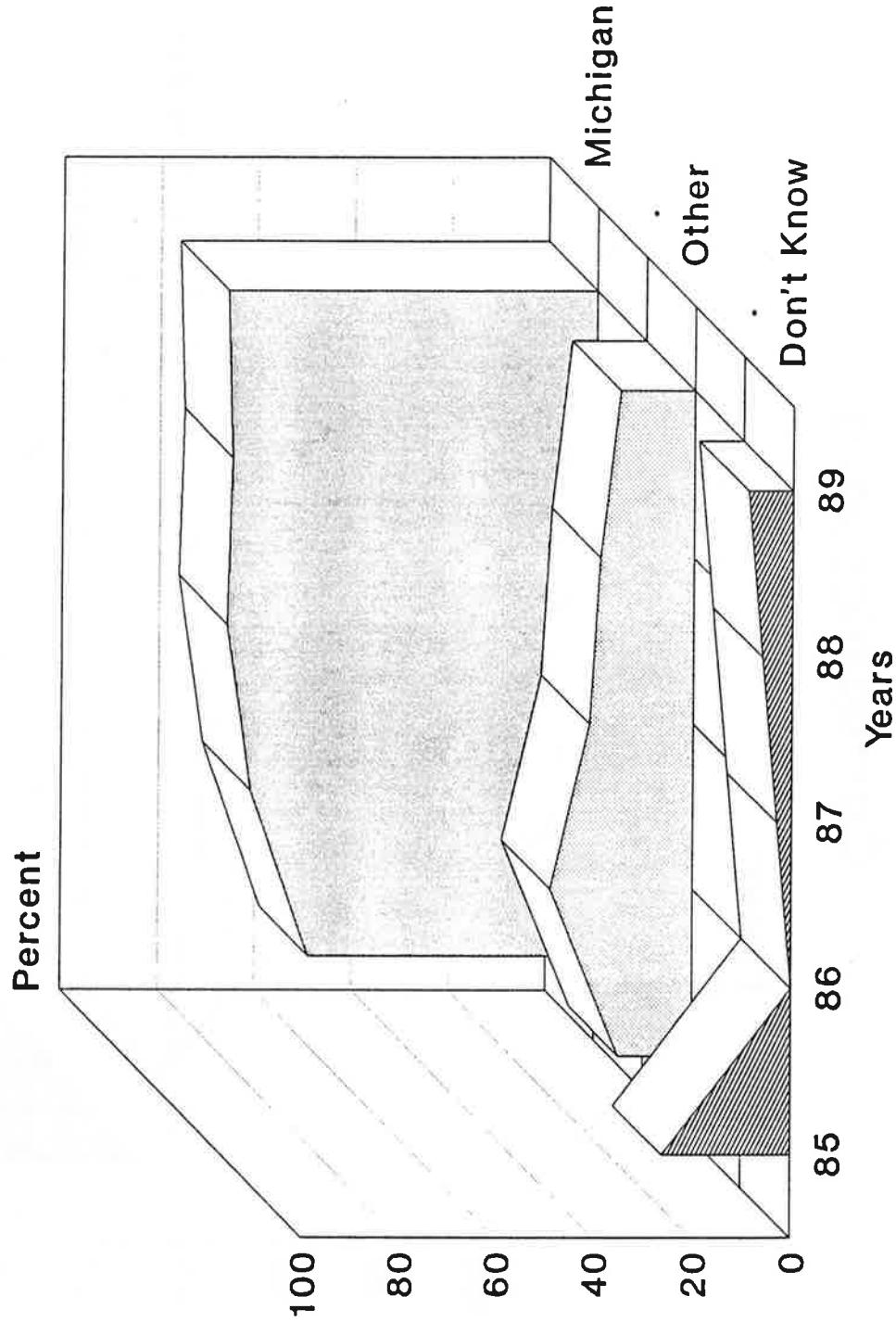
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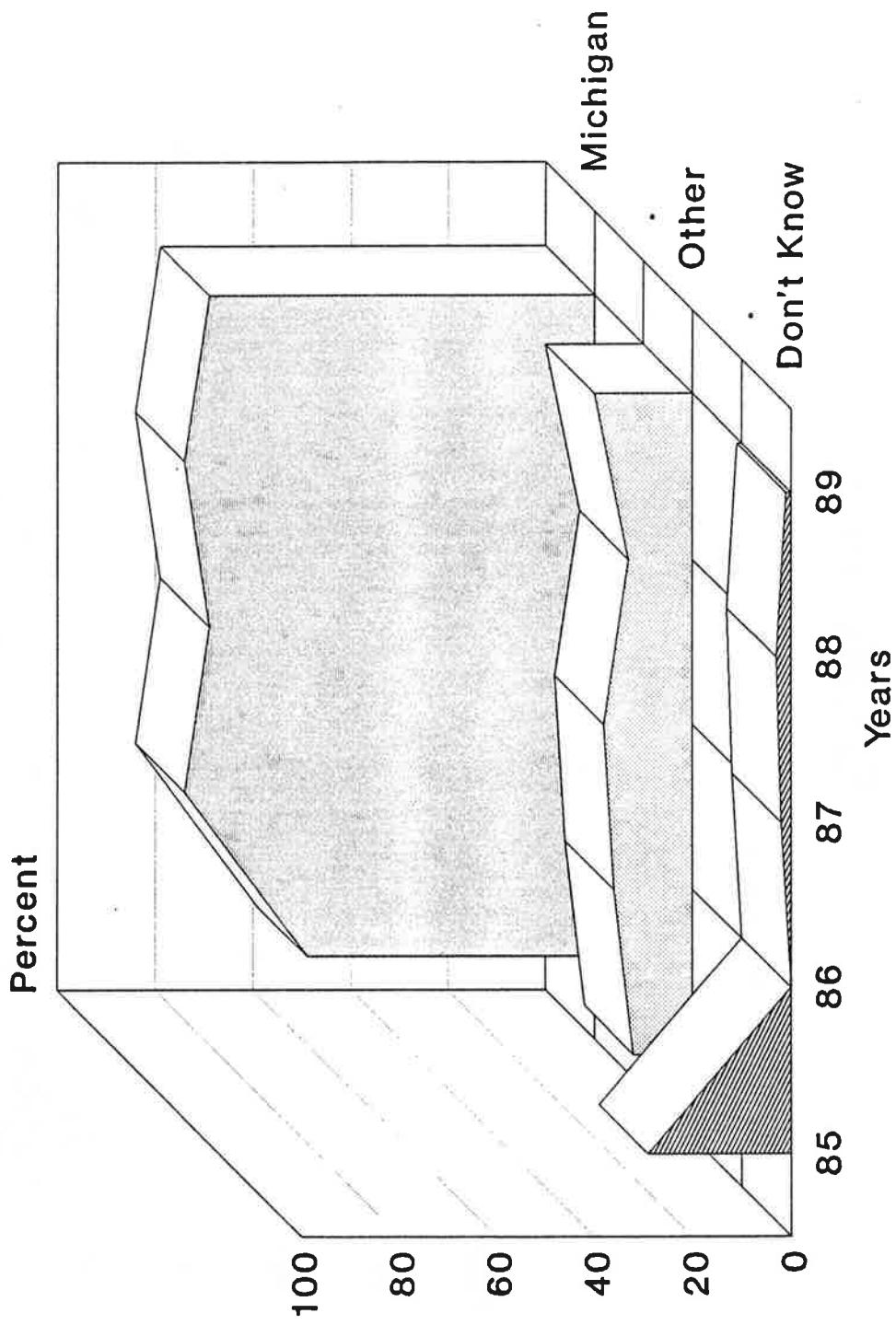
# Job Location Summary Communications



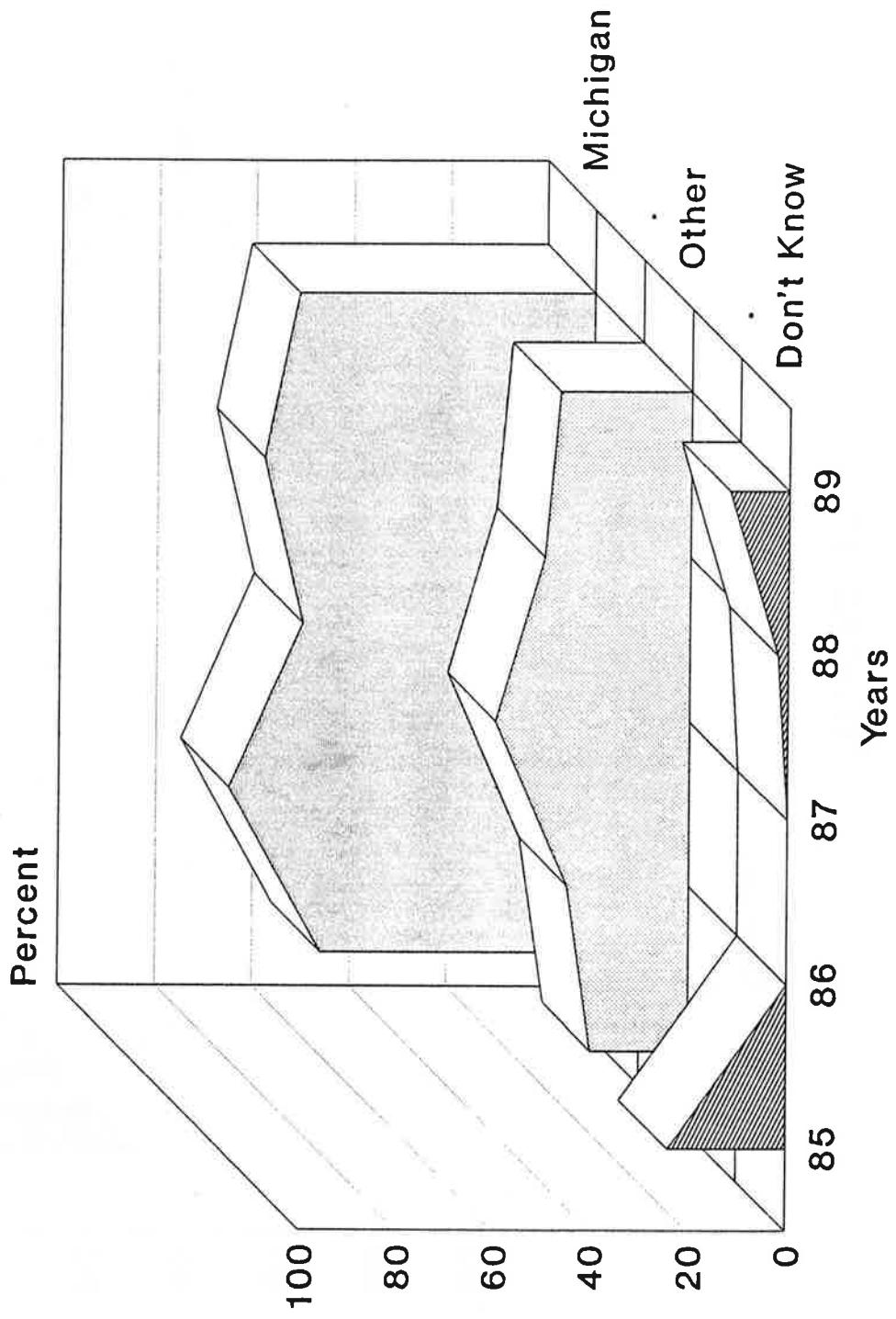
# Job Location Summary Computer Science



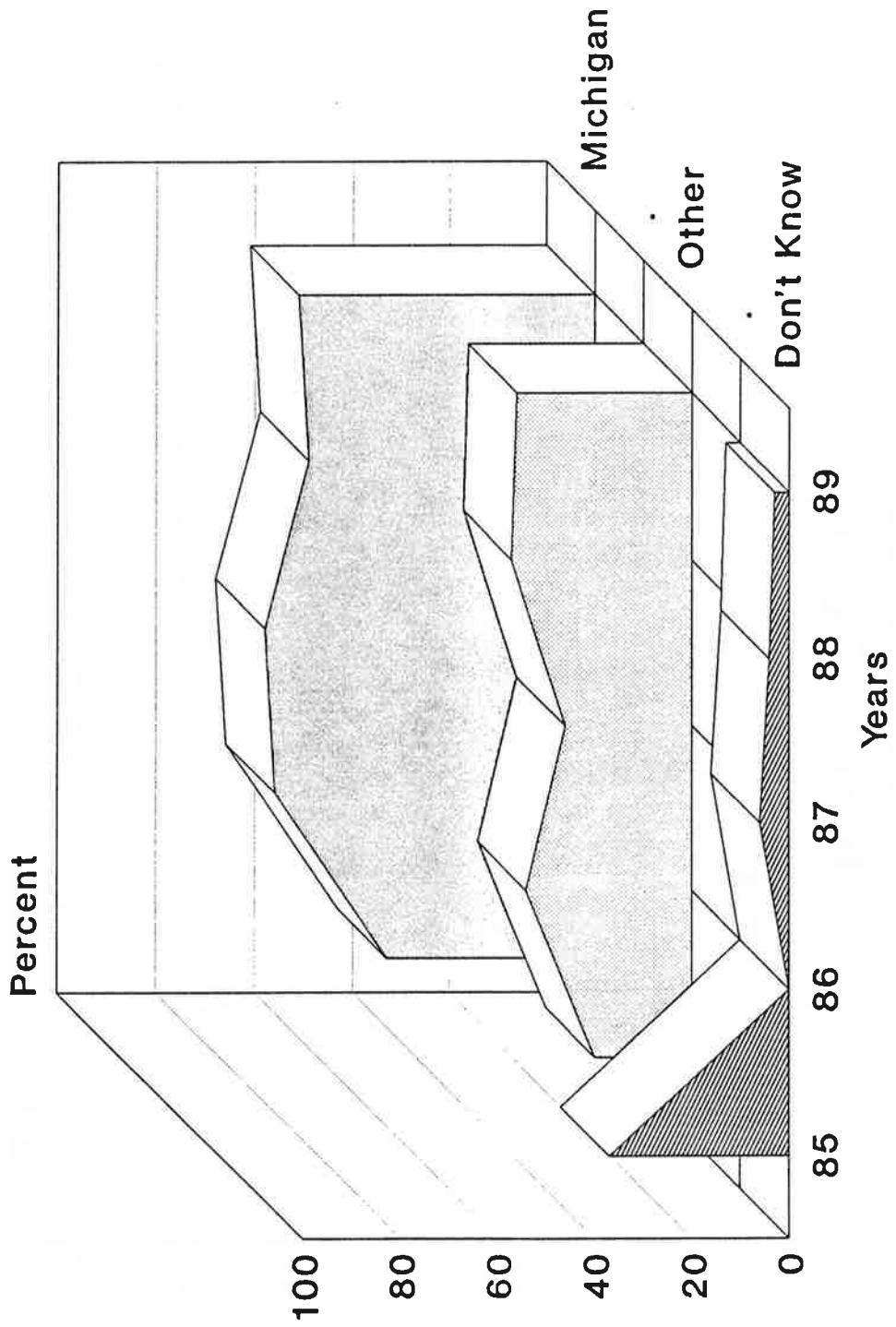
## Job Location Summary Education



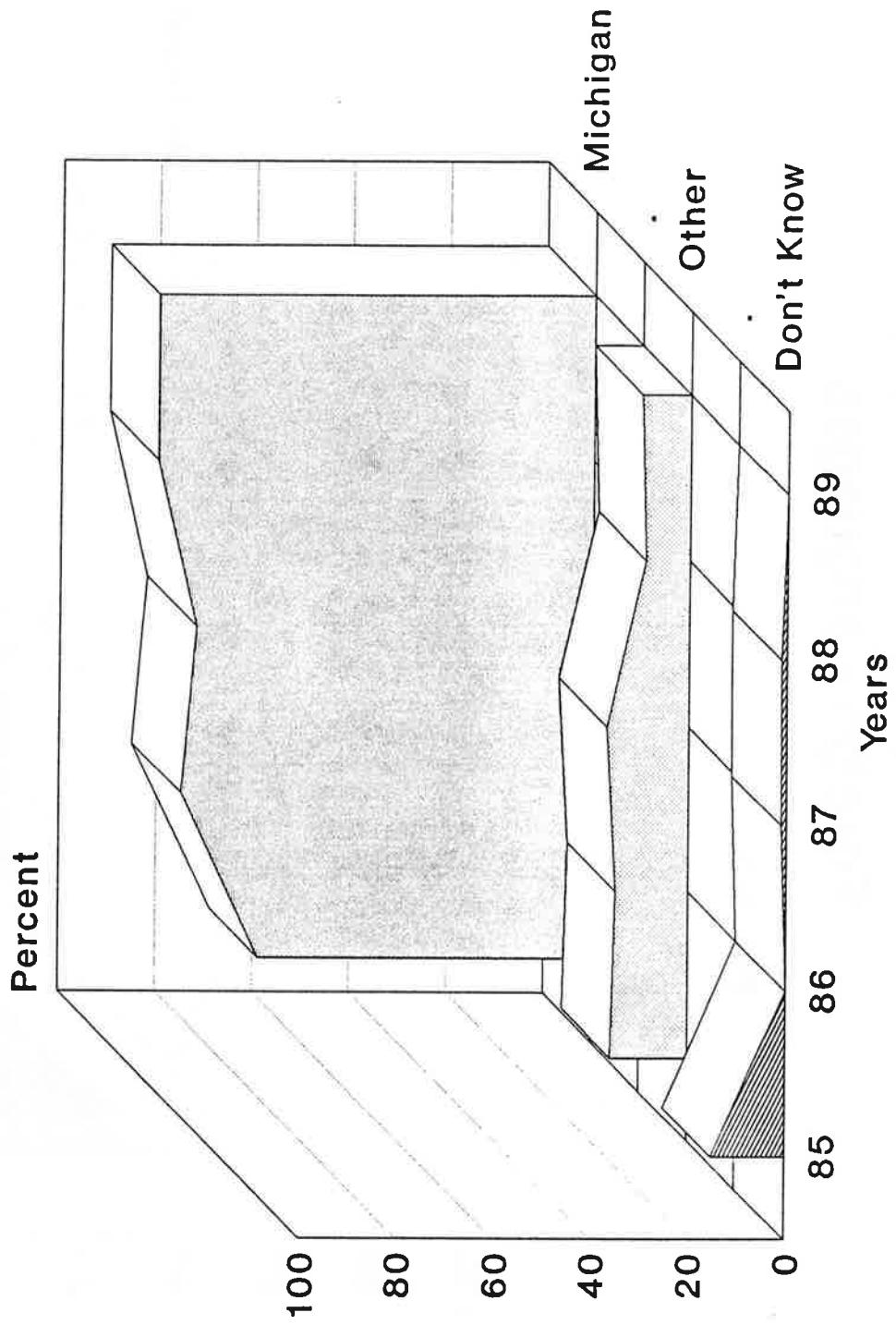
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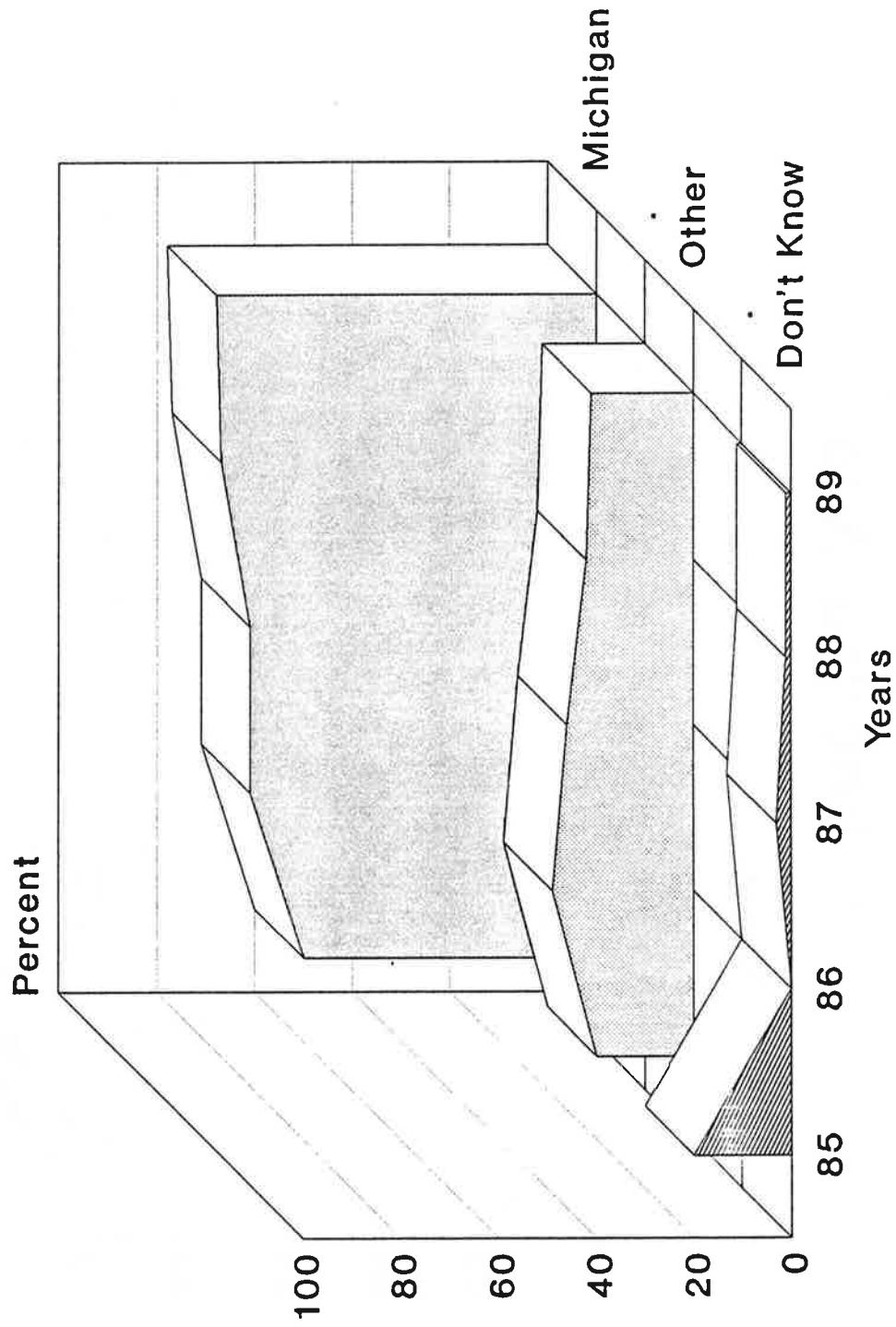
# Job Location Summary Foreign Languages



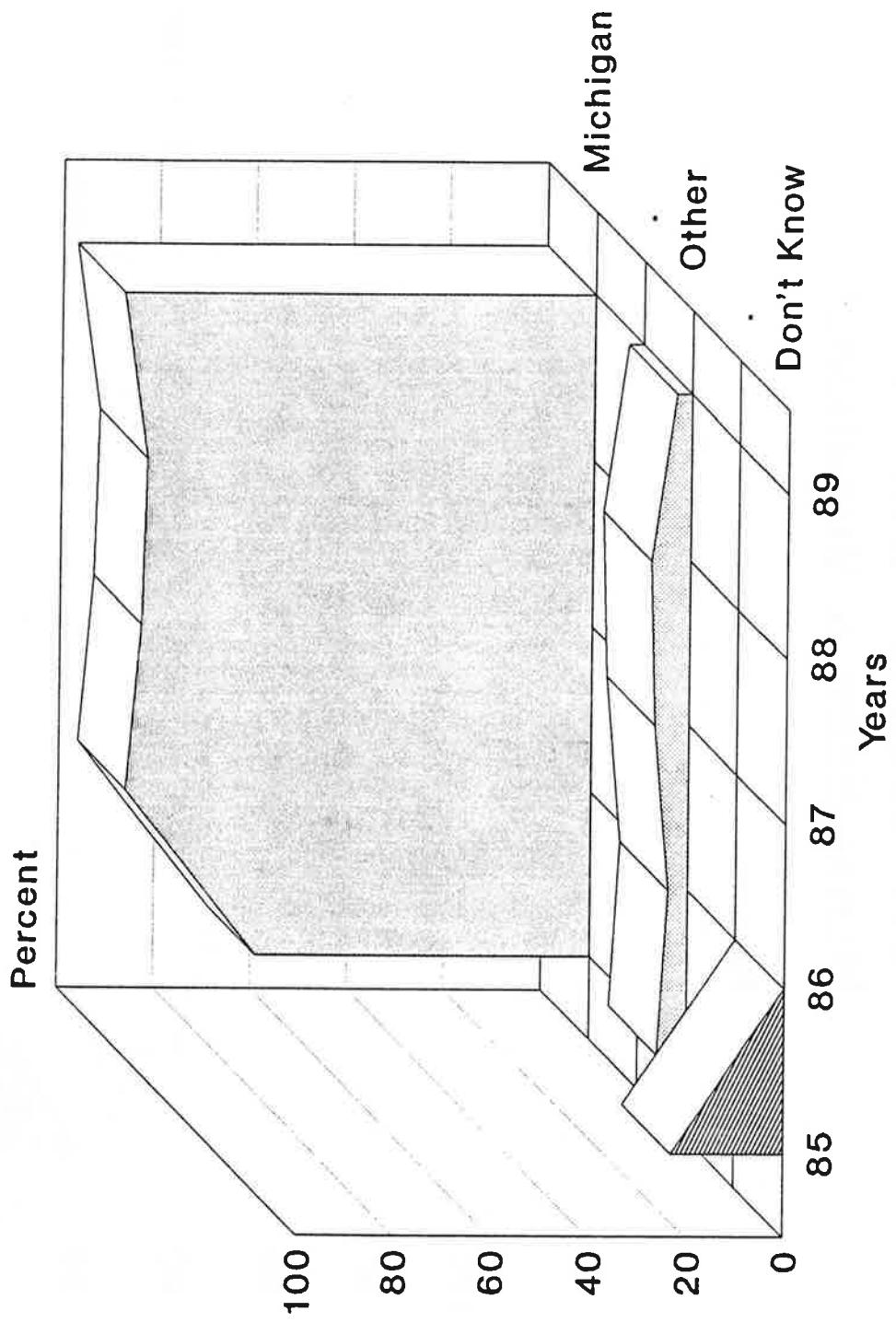
# Job Location Summary Health Sciences



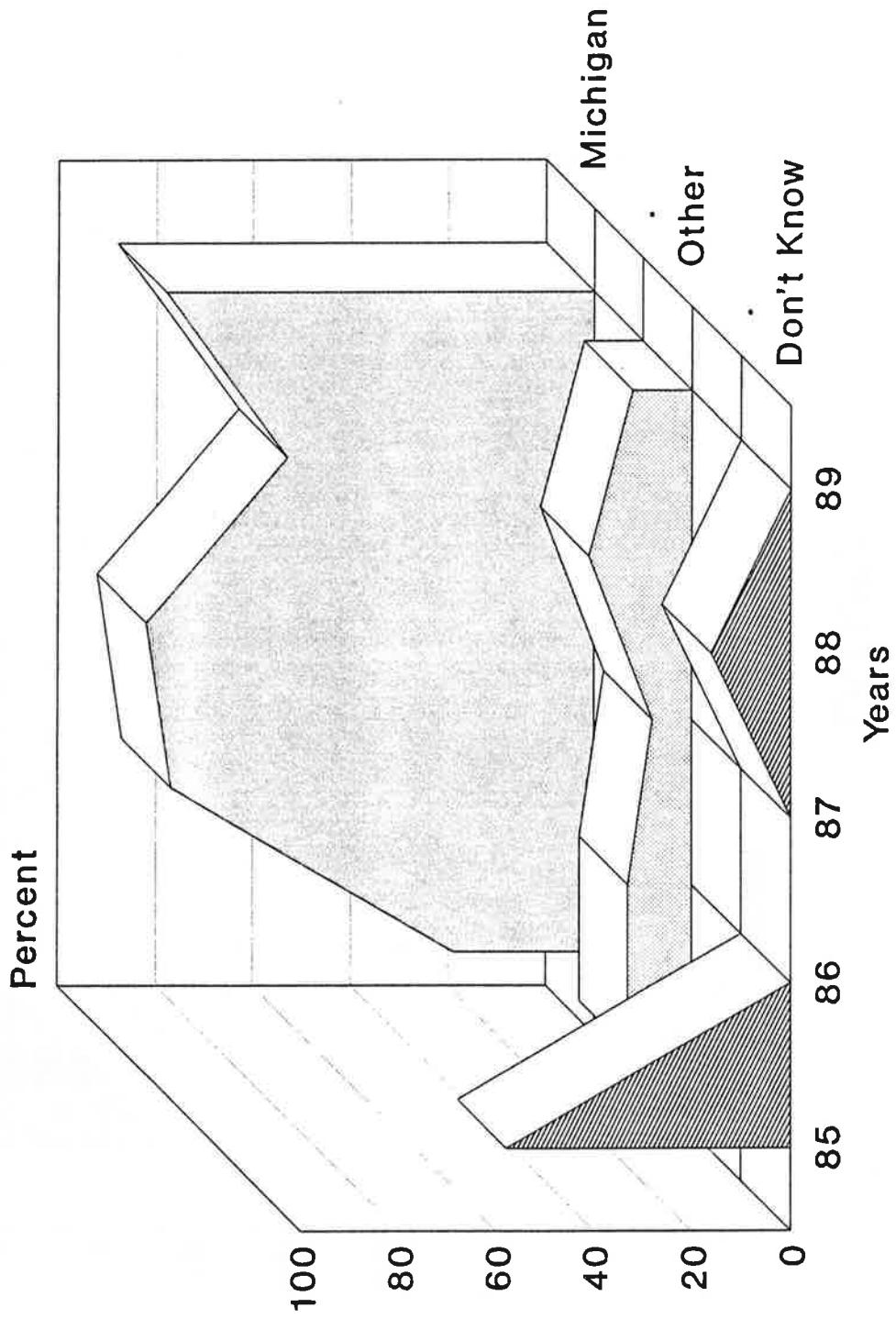
# Job Location Summary Home Econ & Vocational



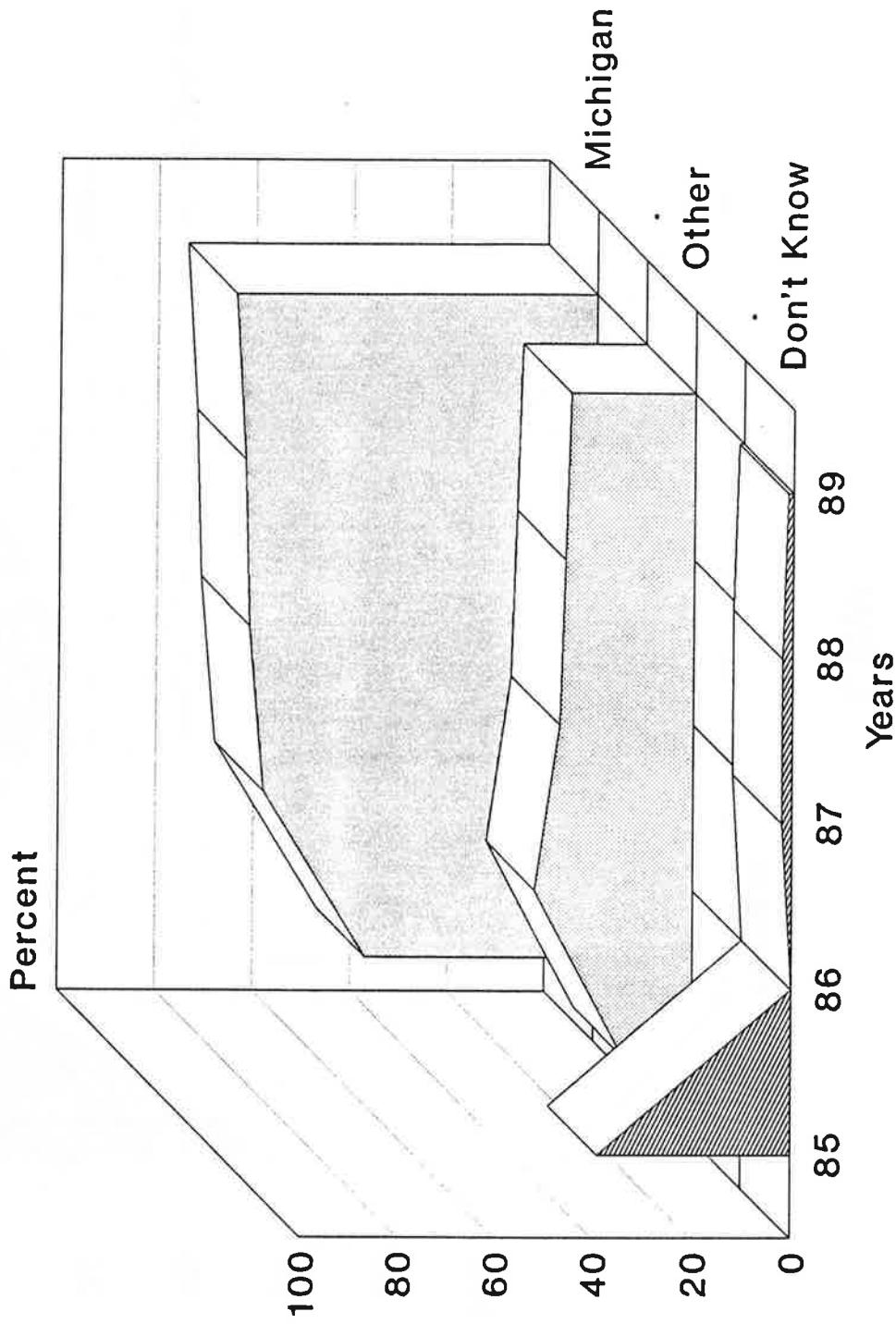
# Job Location Summary Industrial Arts



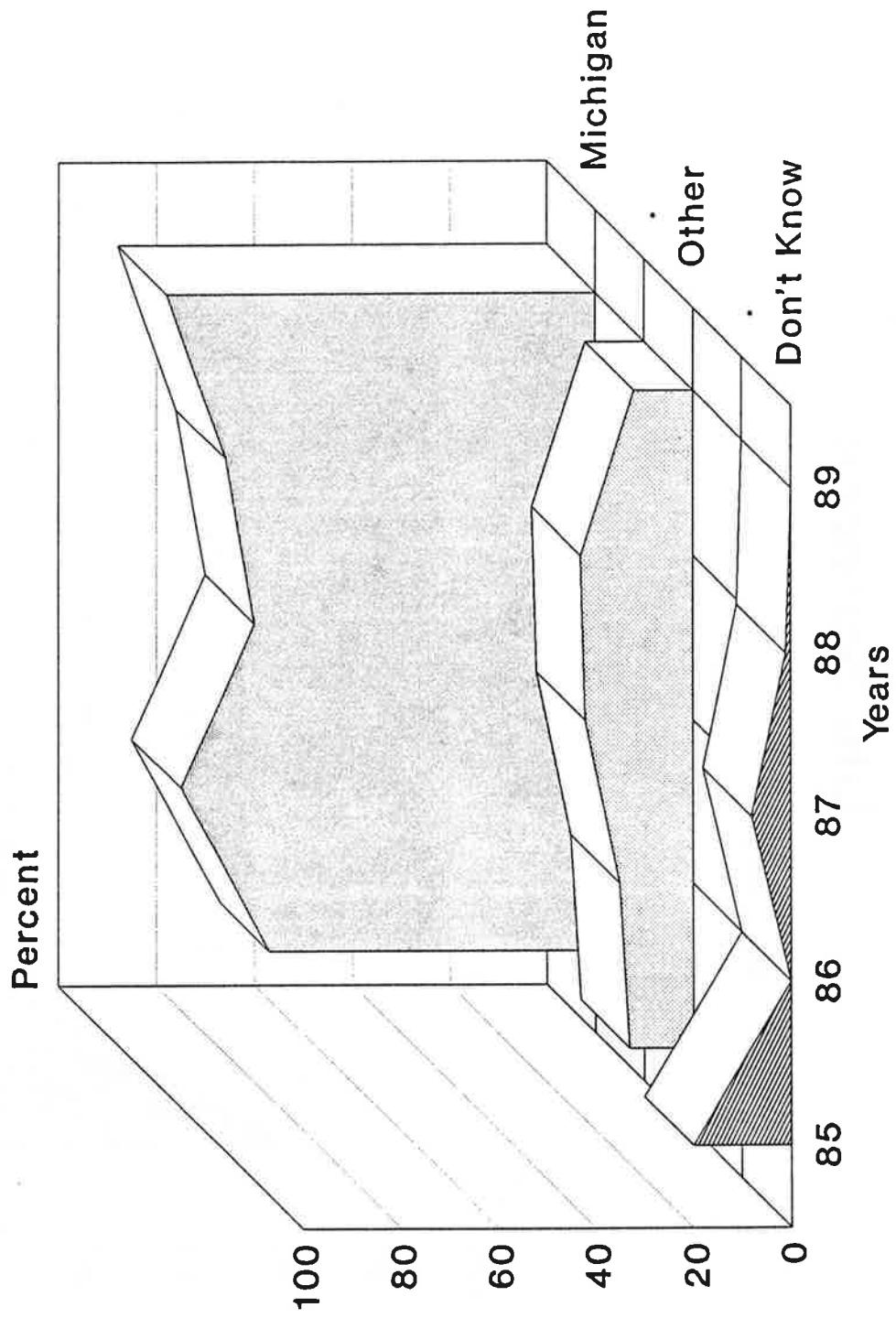
# Job Location Summary Law



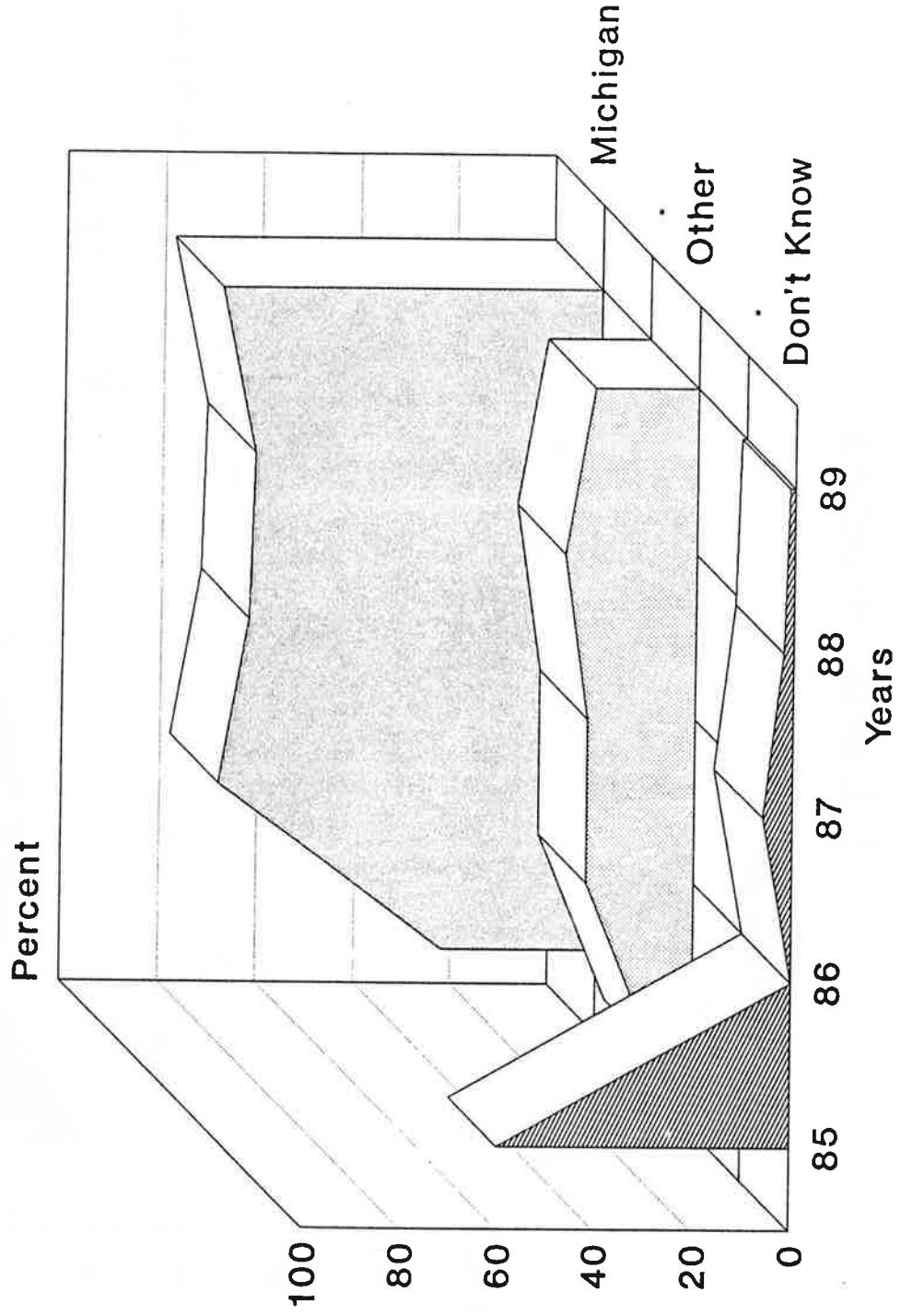
## Job Location Summary Letters



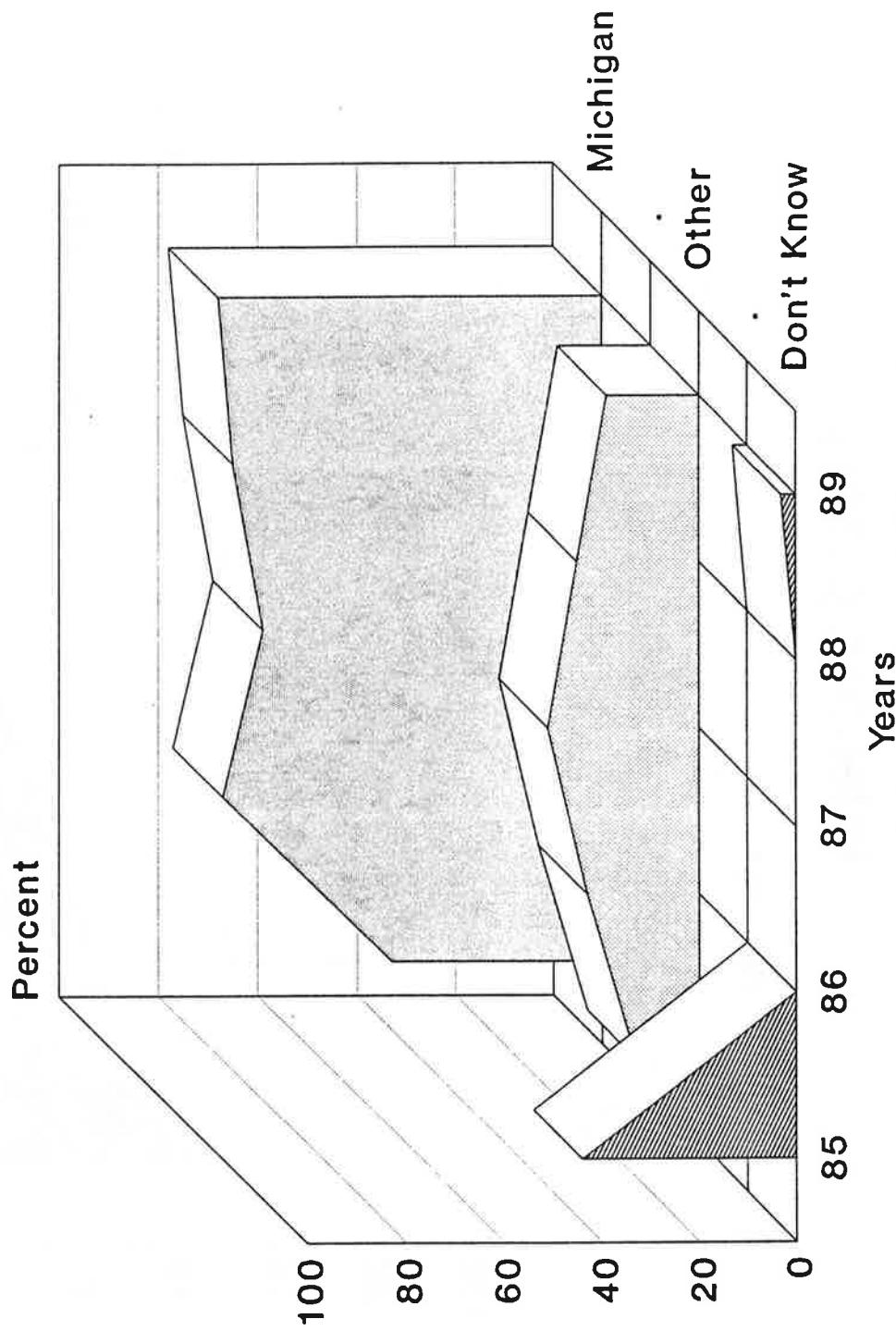
# Job Location Summary Liberal Studies



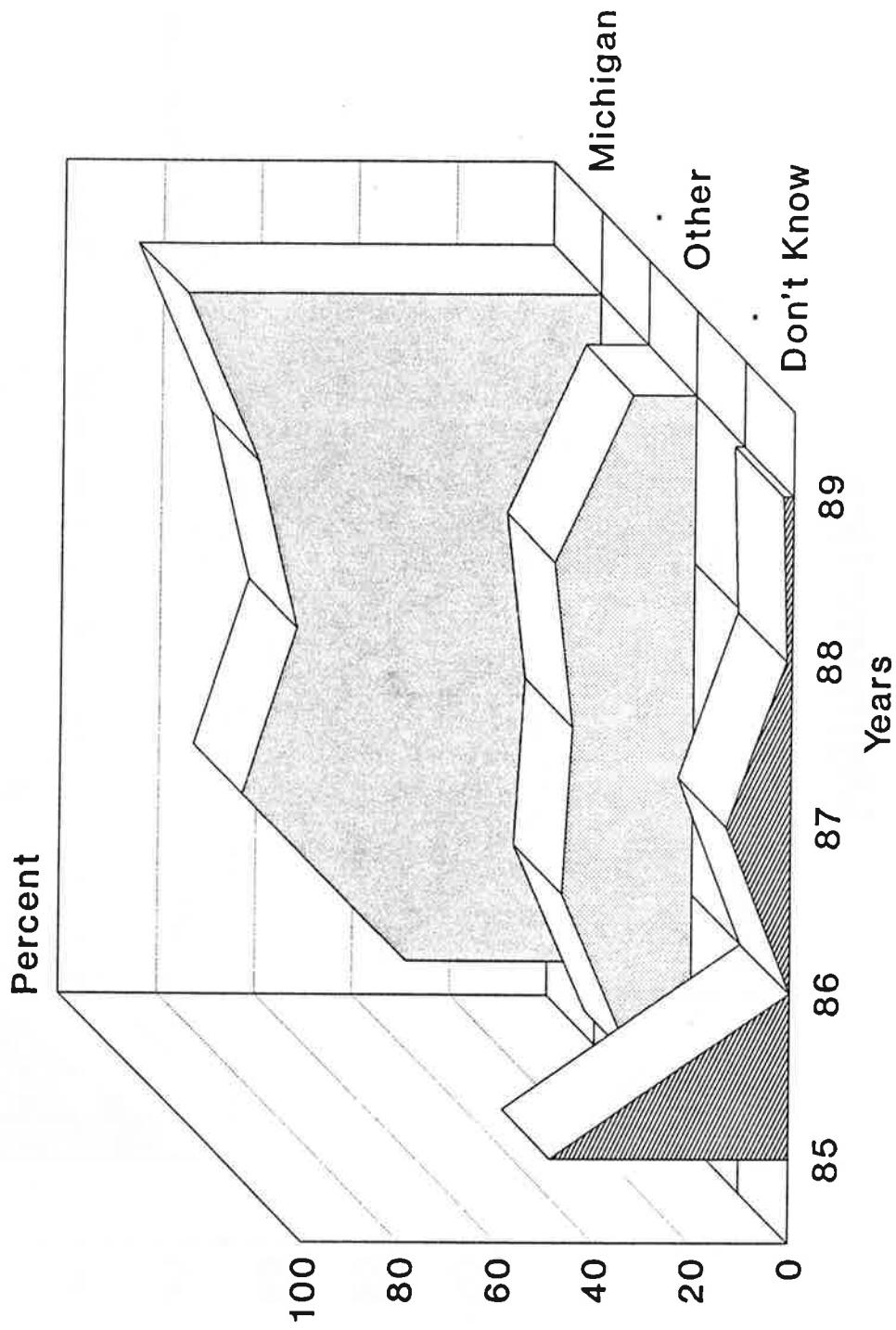
## Job Location Summary Life Sciences



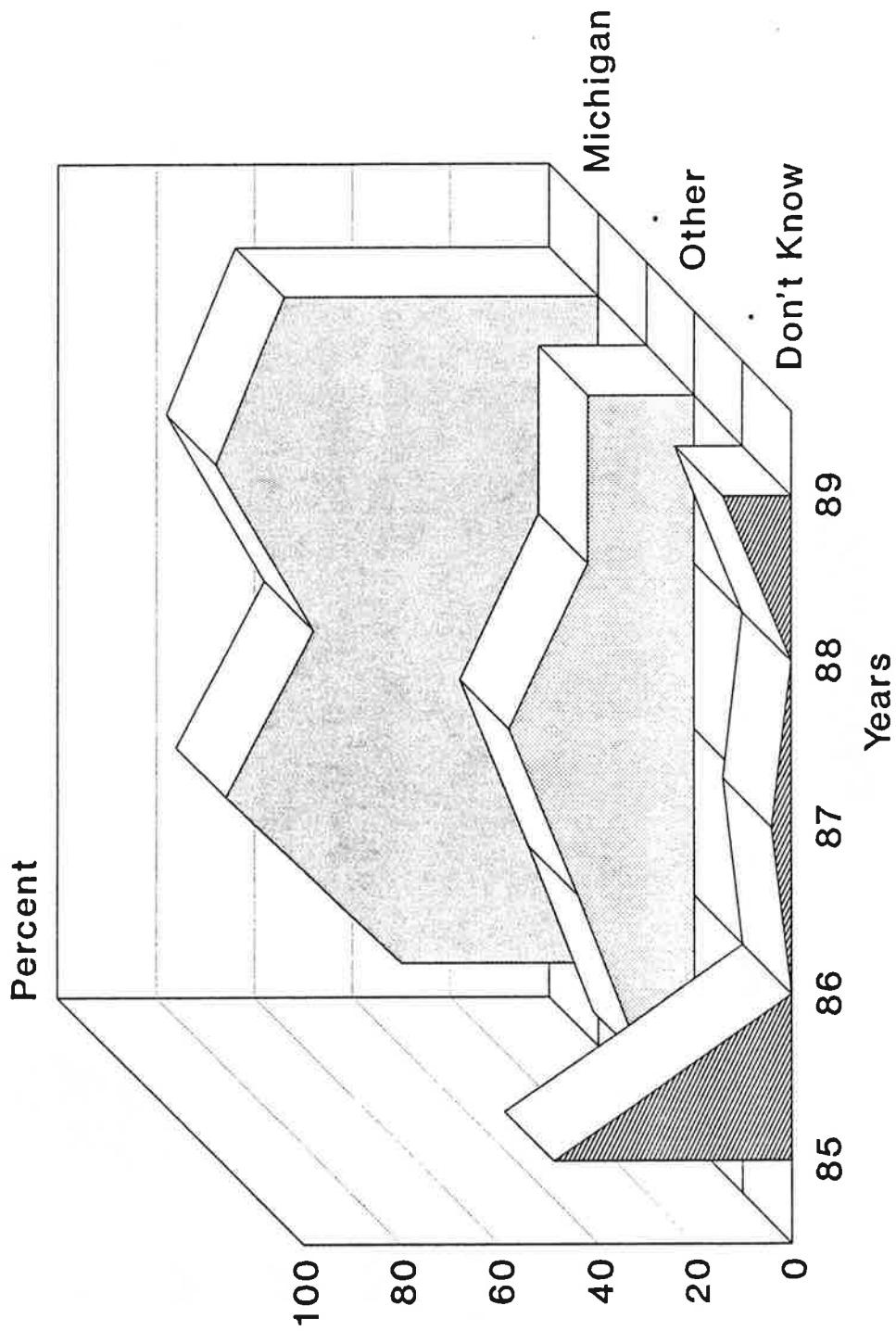
# Job Location Summary Mathematics



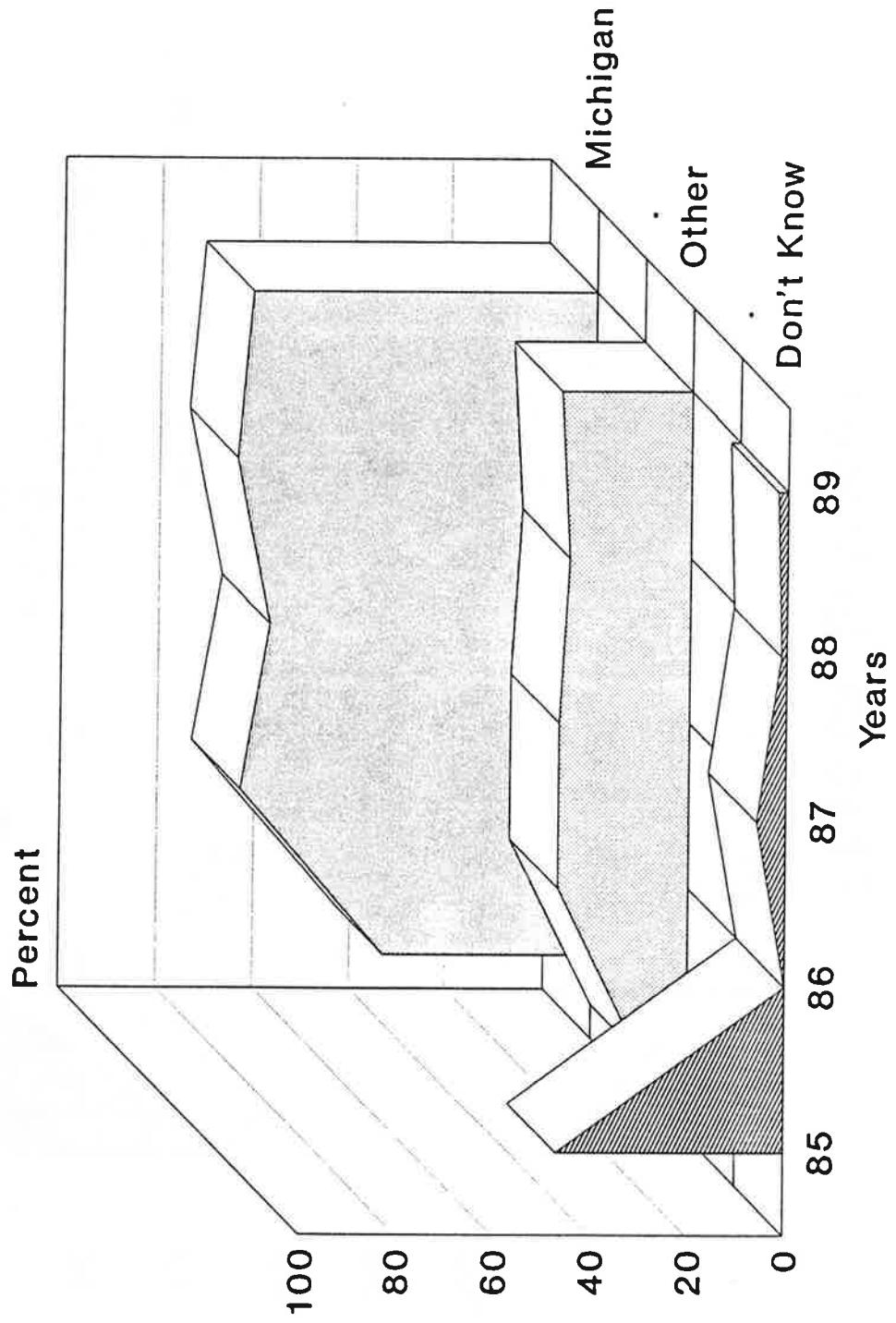
# Job Location Summary Interdisciplinary



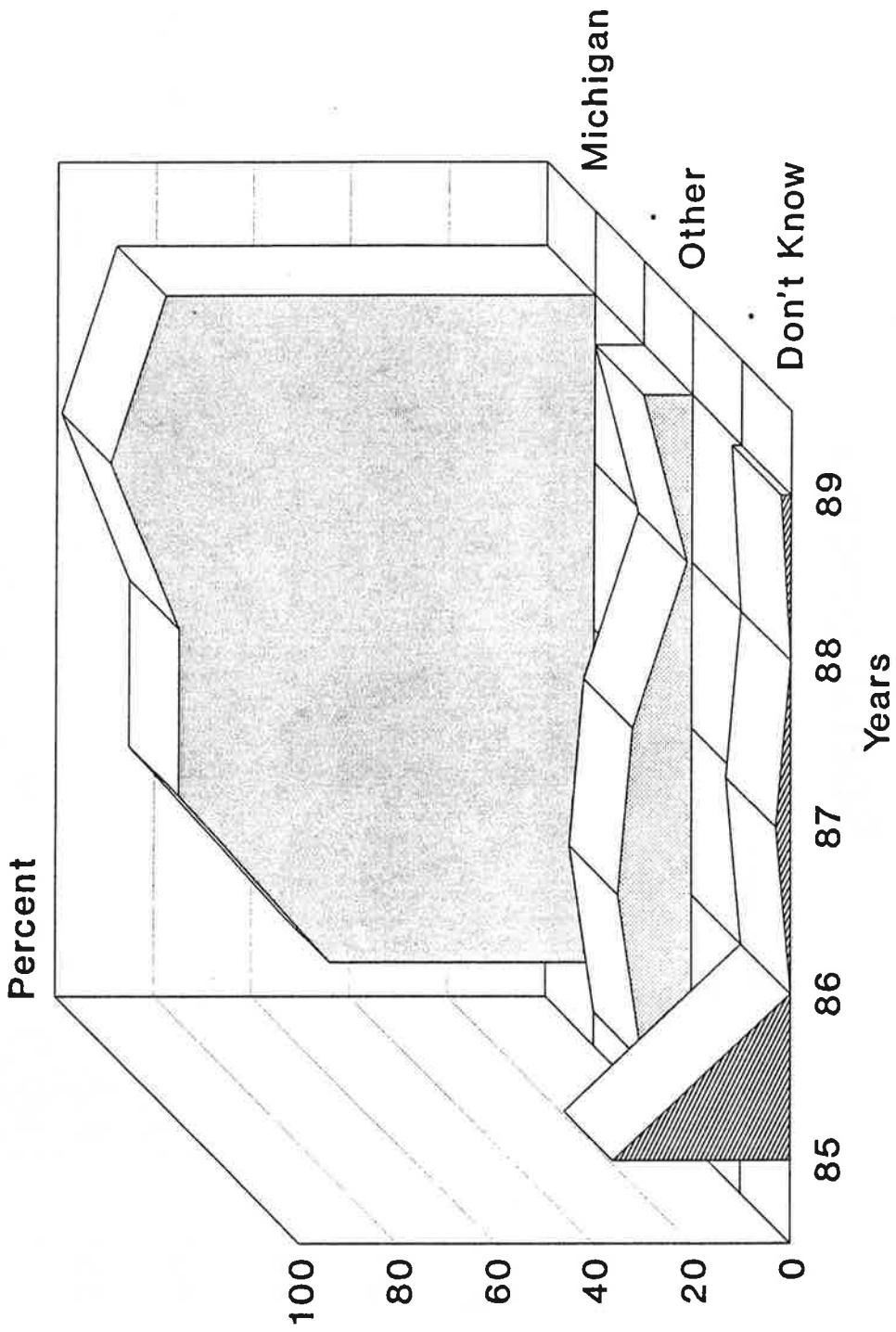
# Job Location Summary Physical Sciences



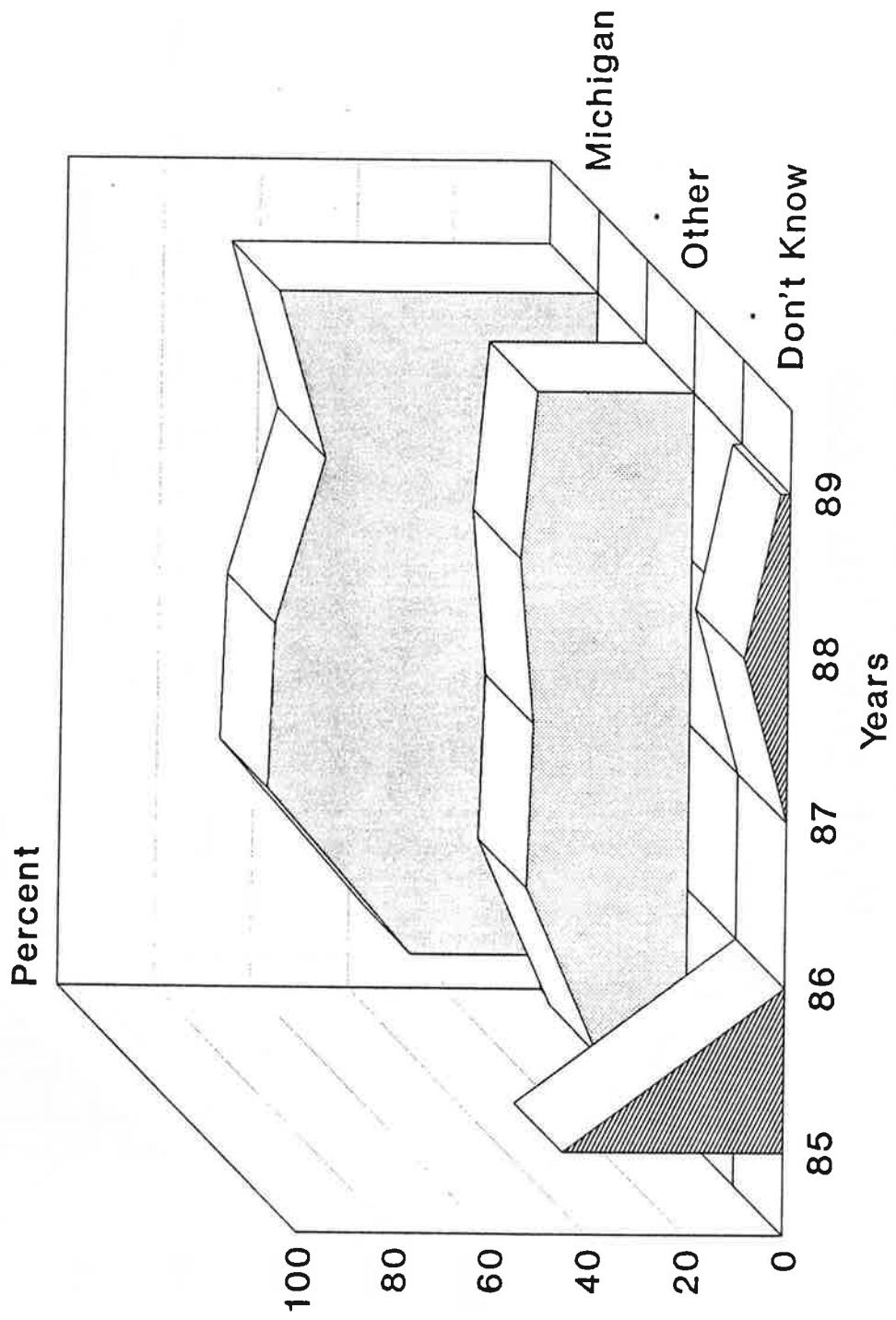
# Job Location Summary Psychology



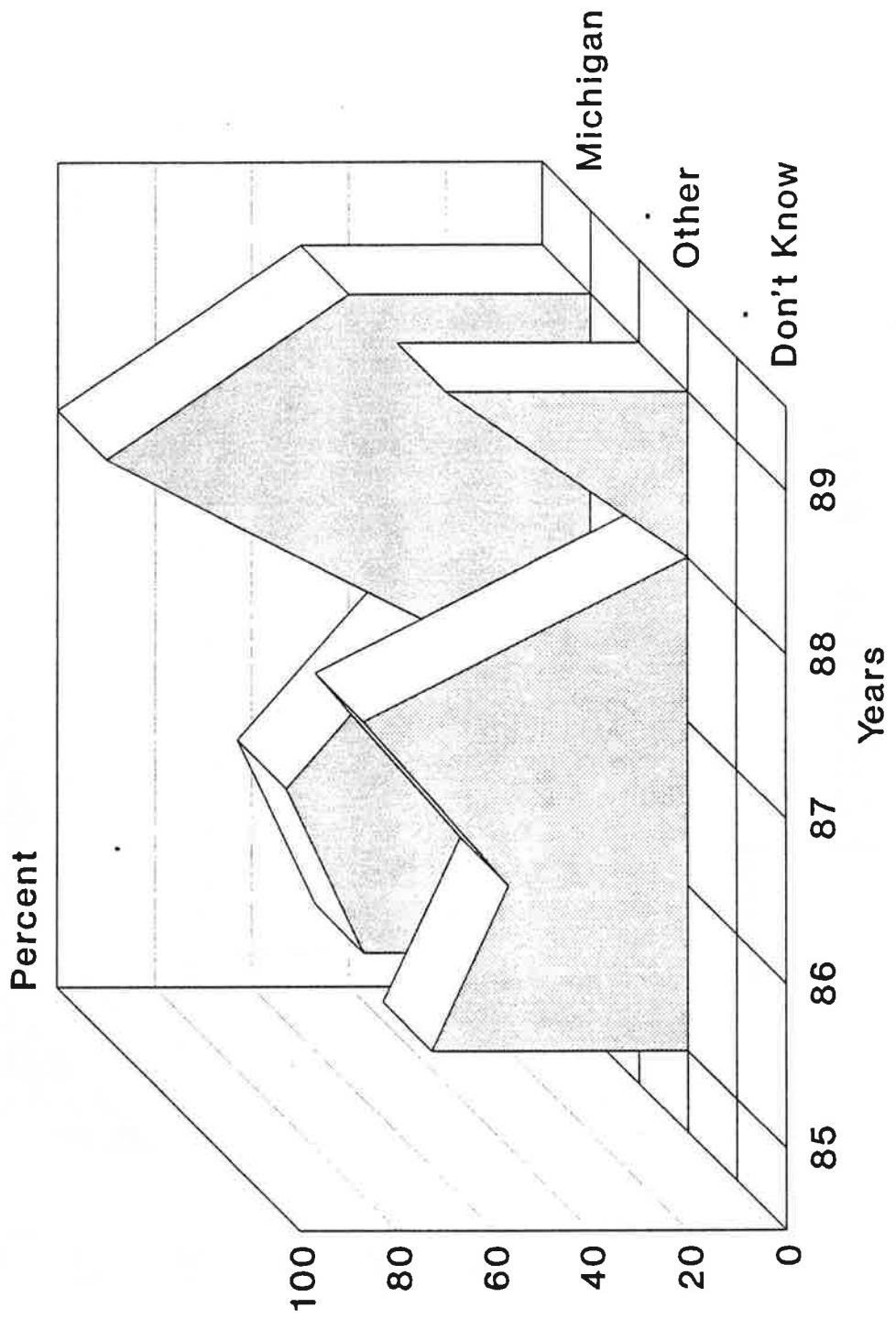
# Job Location Summary Protective Services



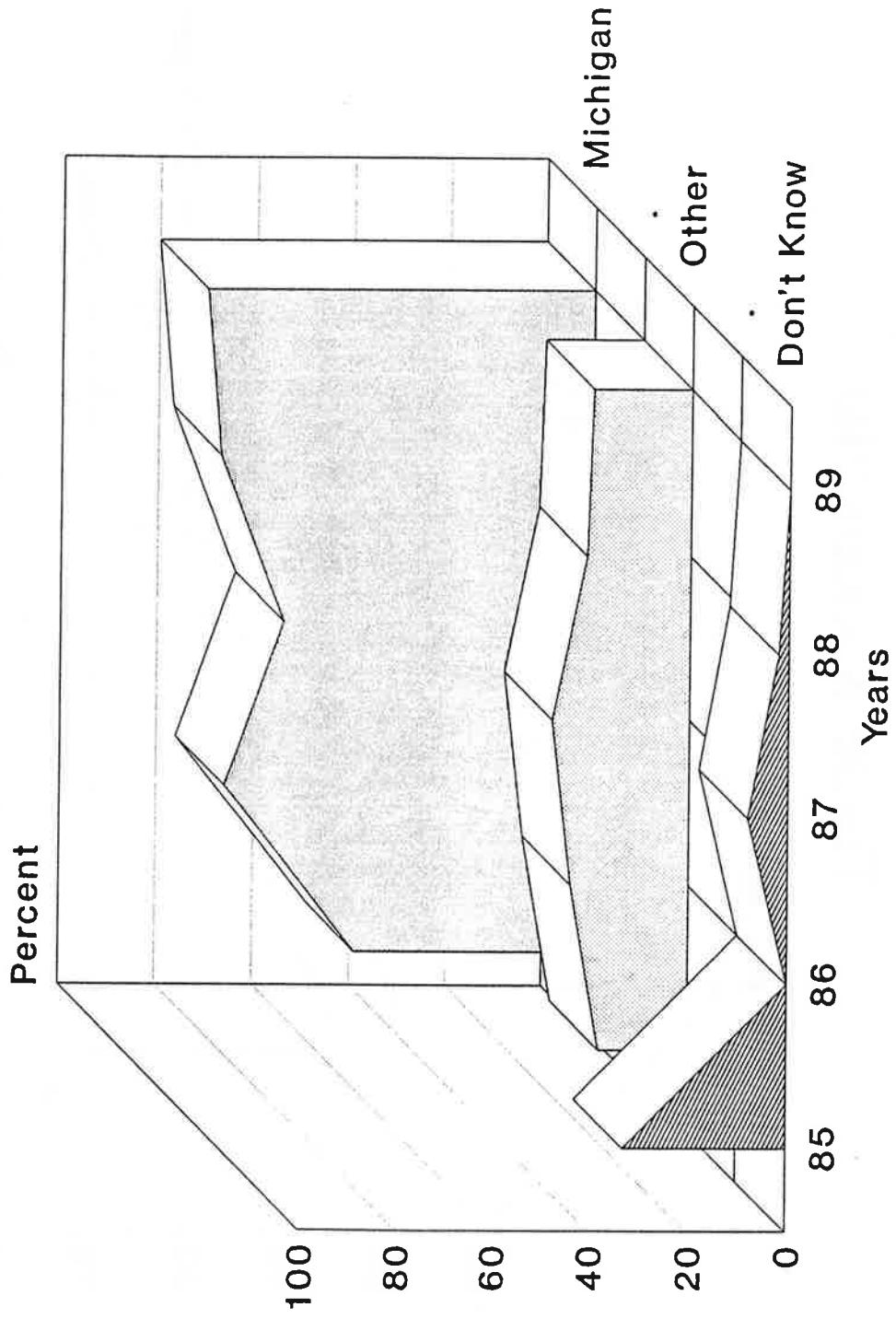
# Job Location Summary Social Science



# Job Location Summary Trade & Industrial



# Job Location Summary Performing Arts

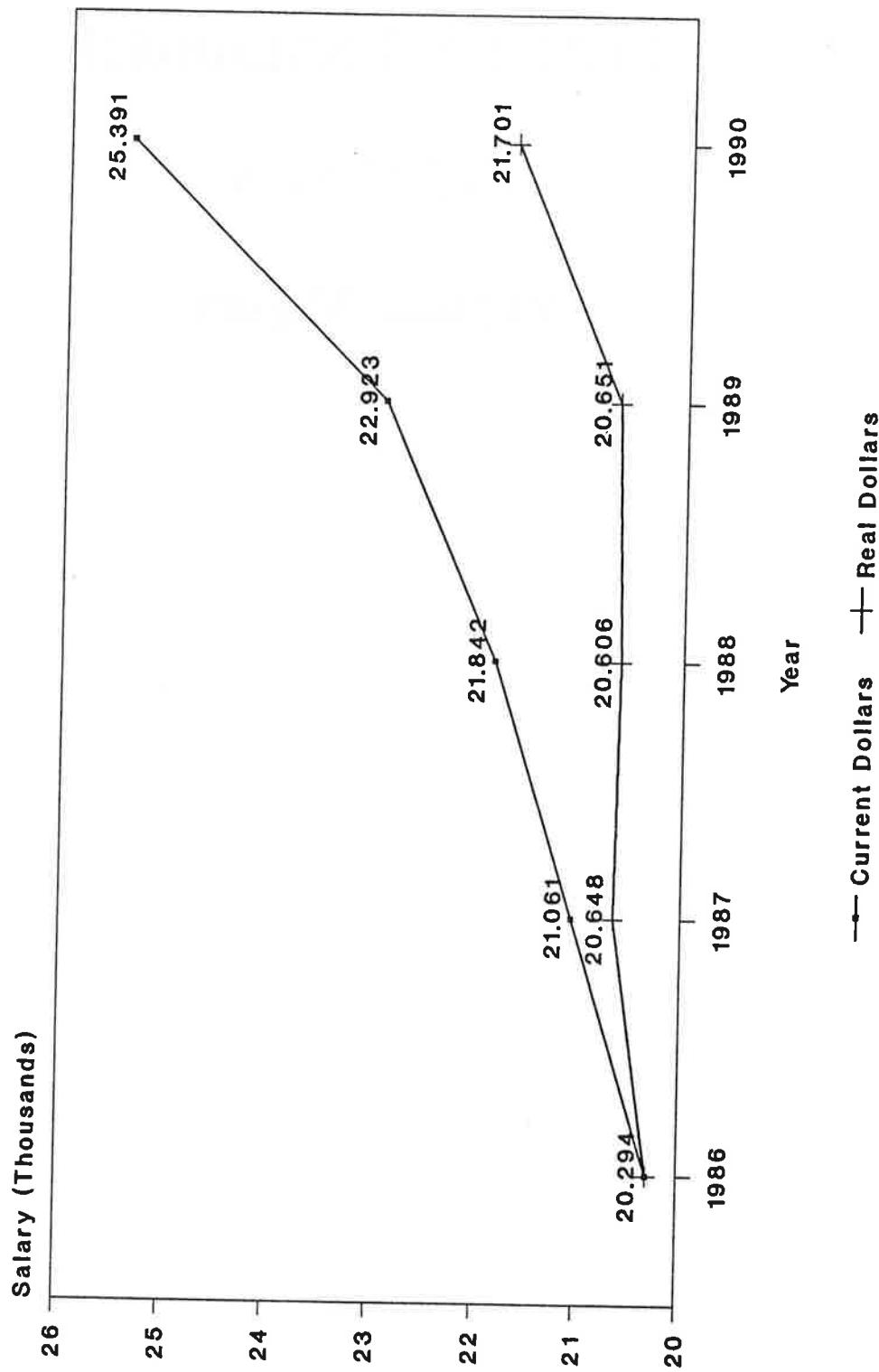


**STARTING SALARIES**

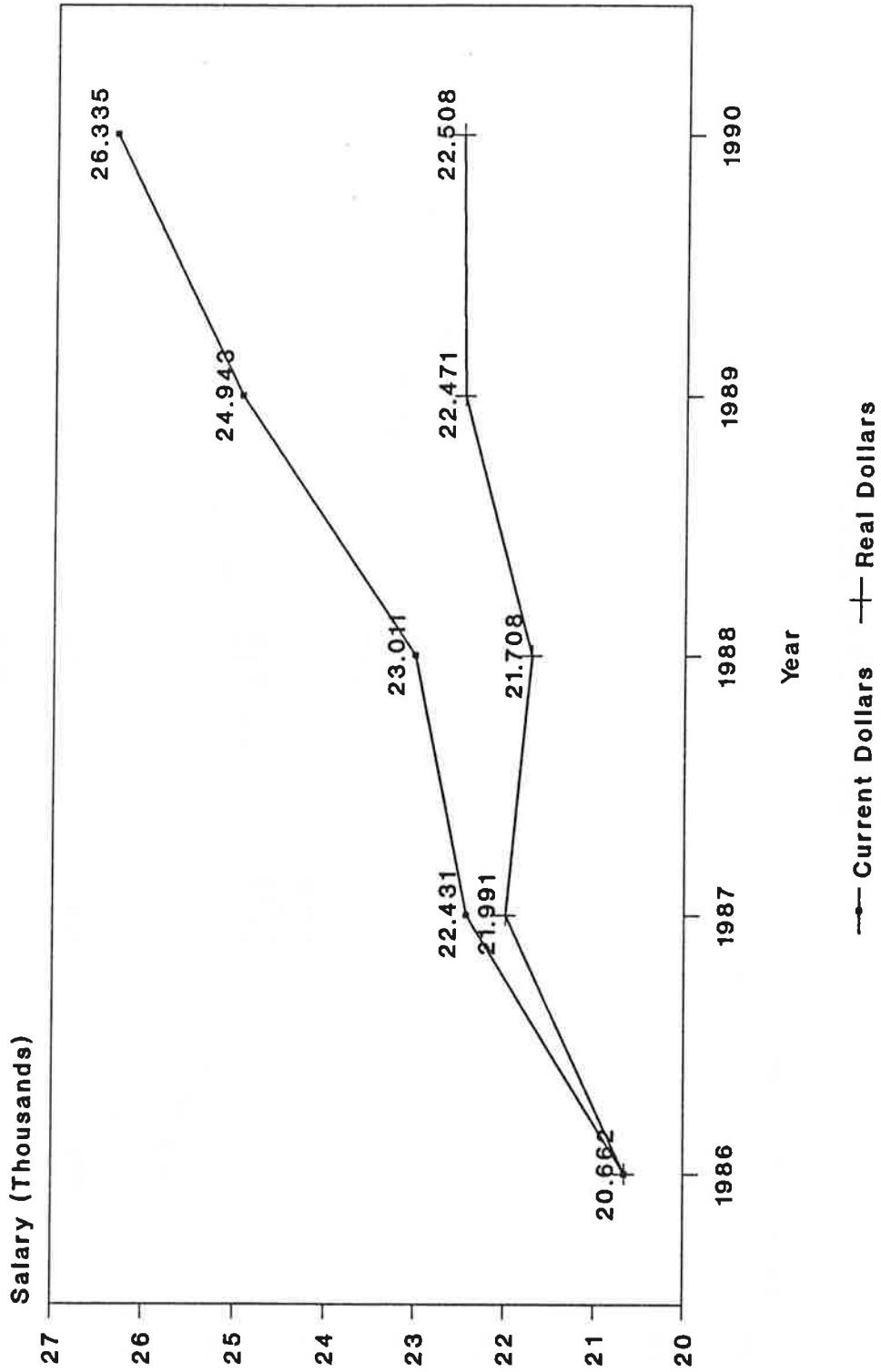
**CIP Groups**

**Popular Majors**

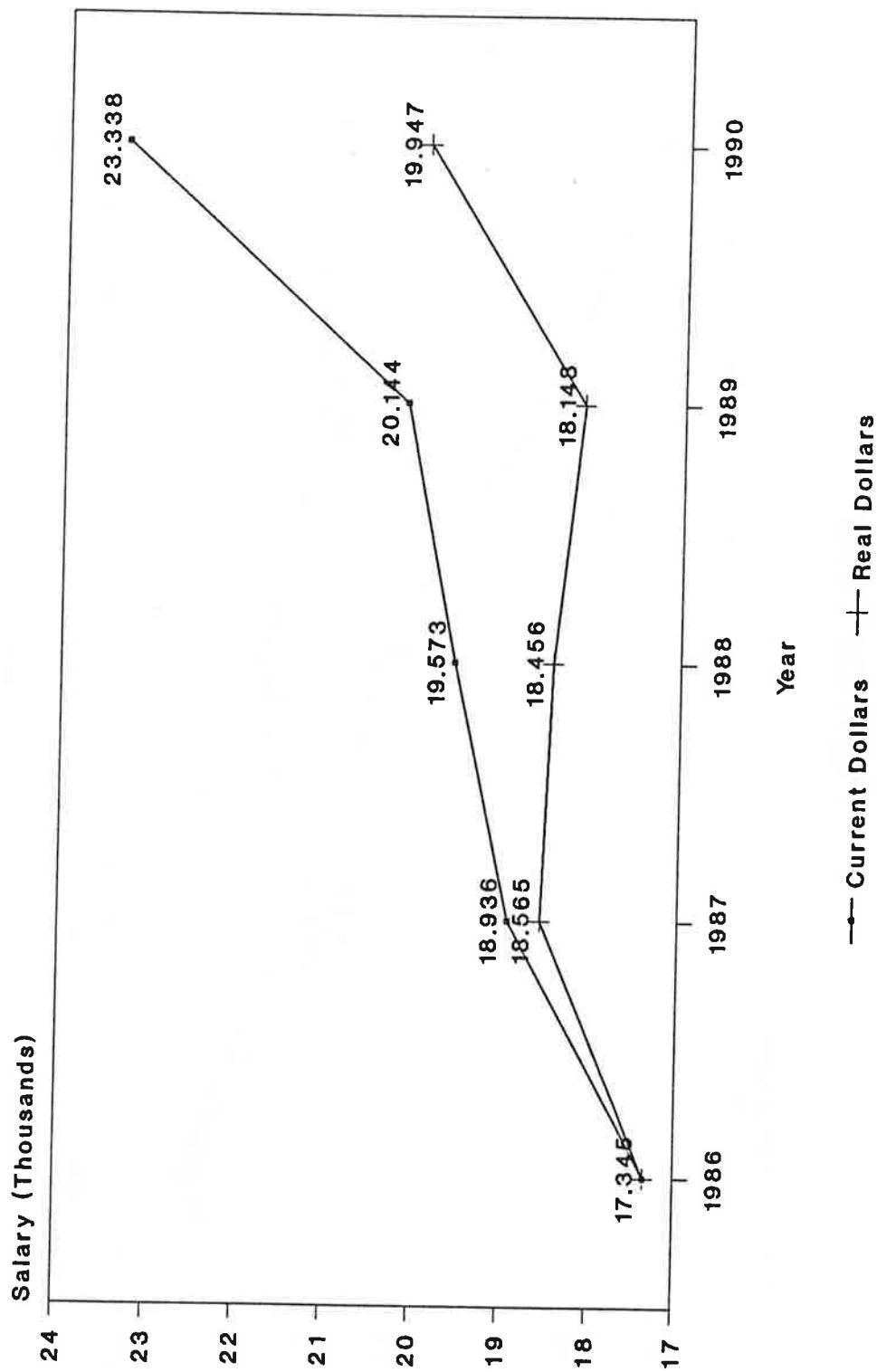
## Five Year Salary Trend All Graduates



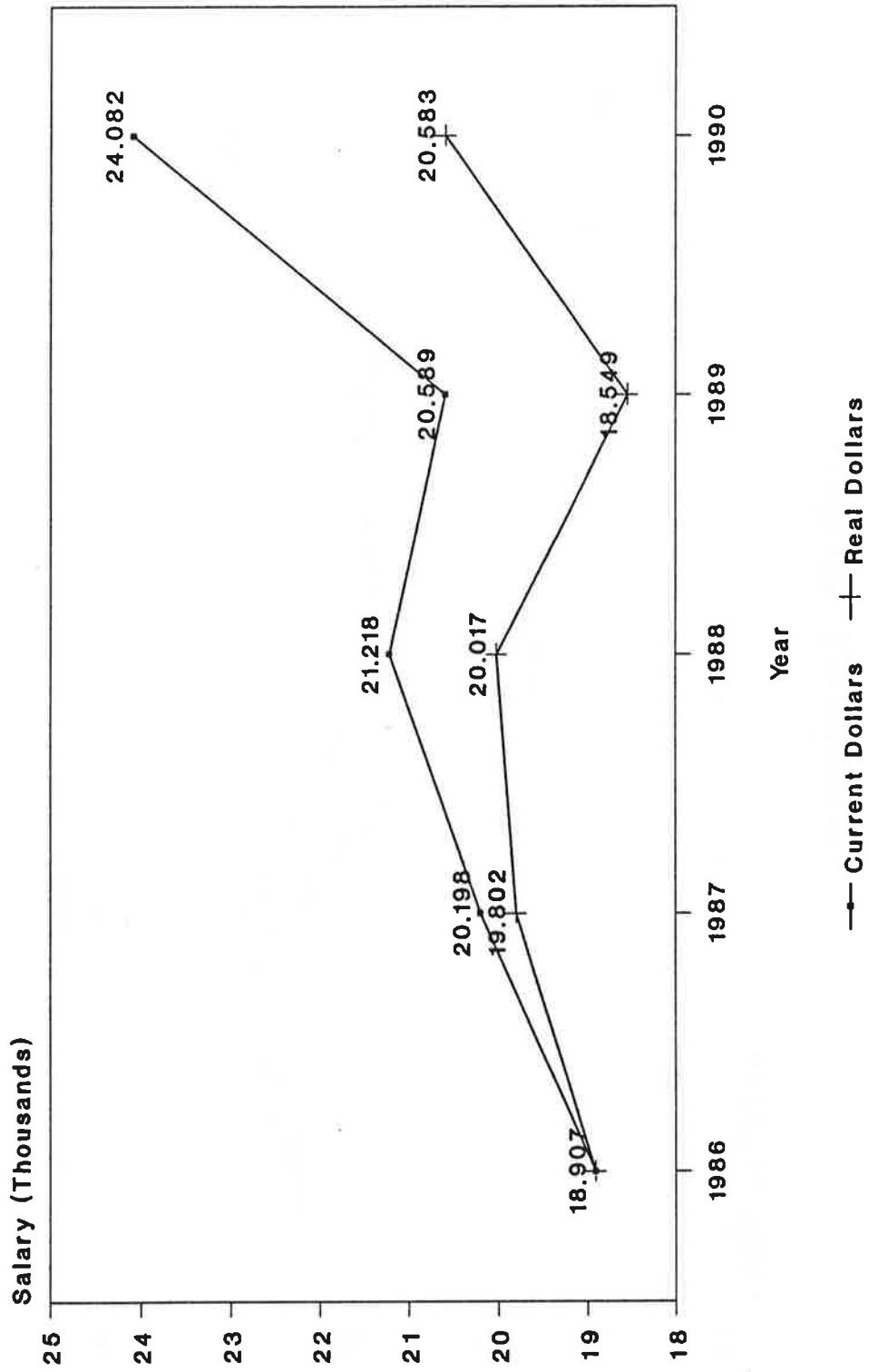
## Five Year Salary Trend Agriculture



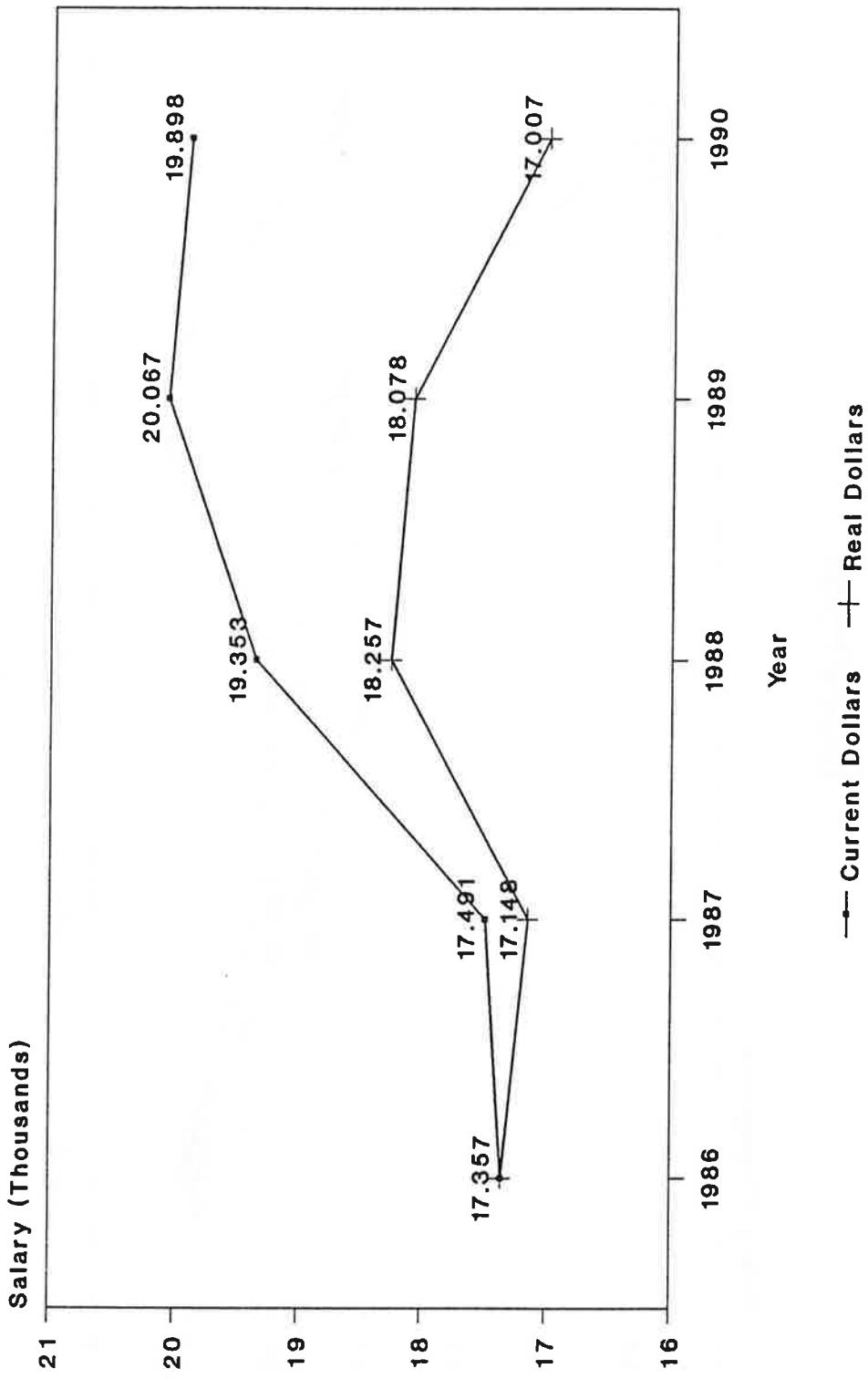
## Five Year Salary Trend Architecture



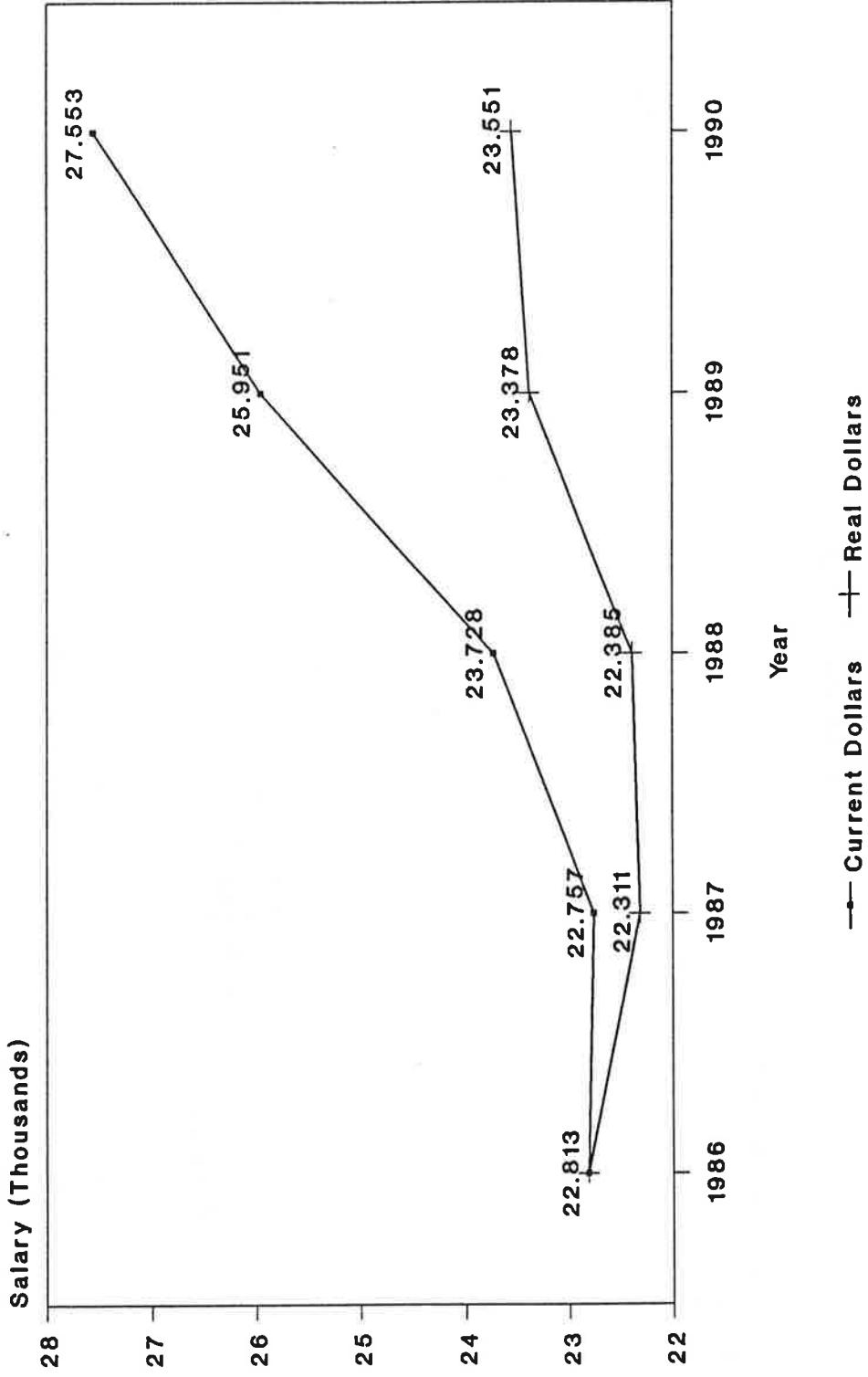
# Five Year Salary Trend Business



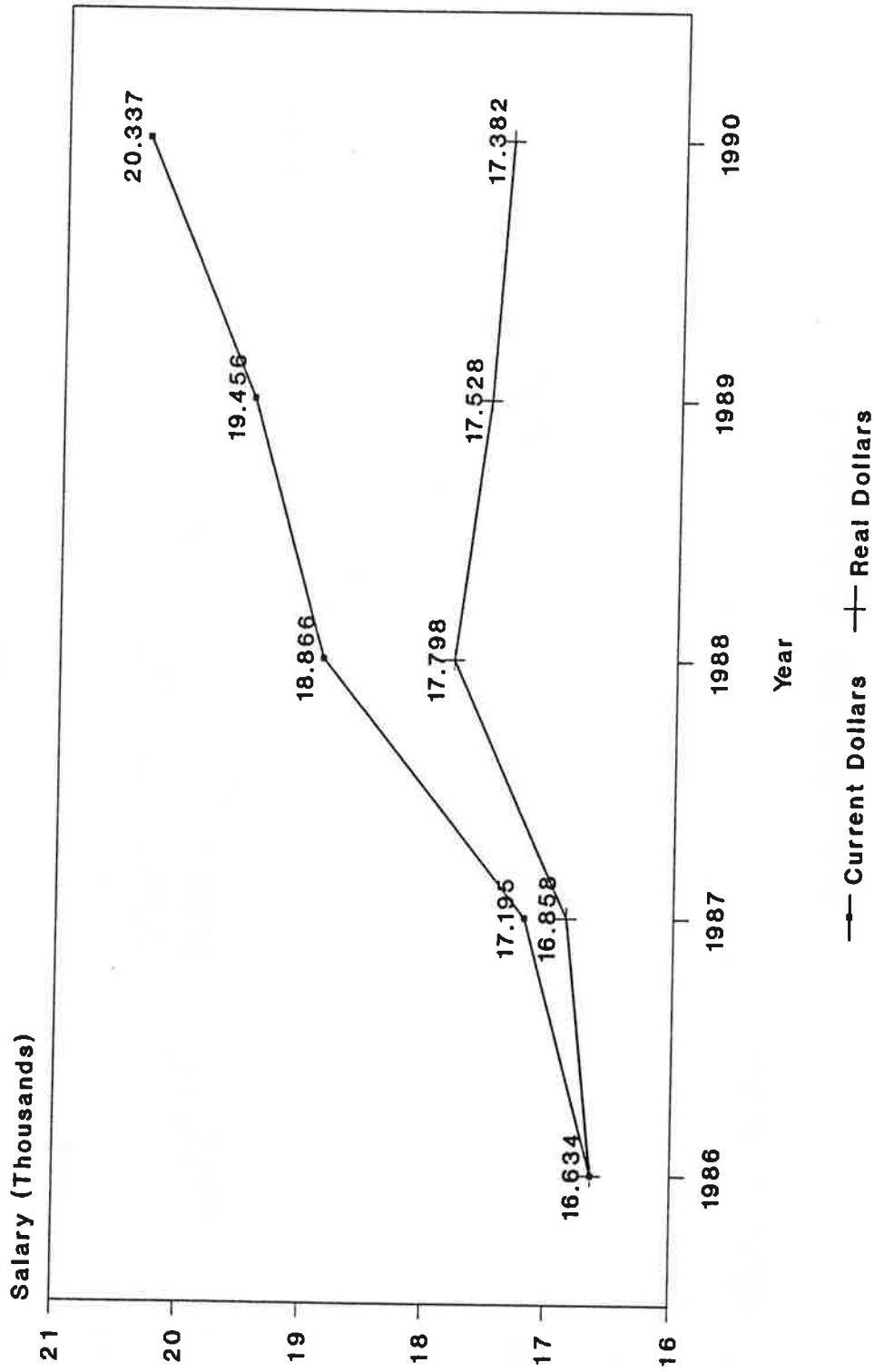
## Five Year Salary Trend Communications



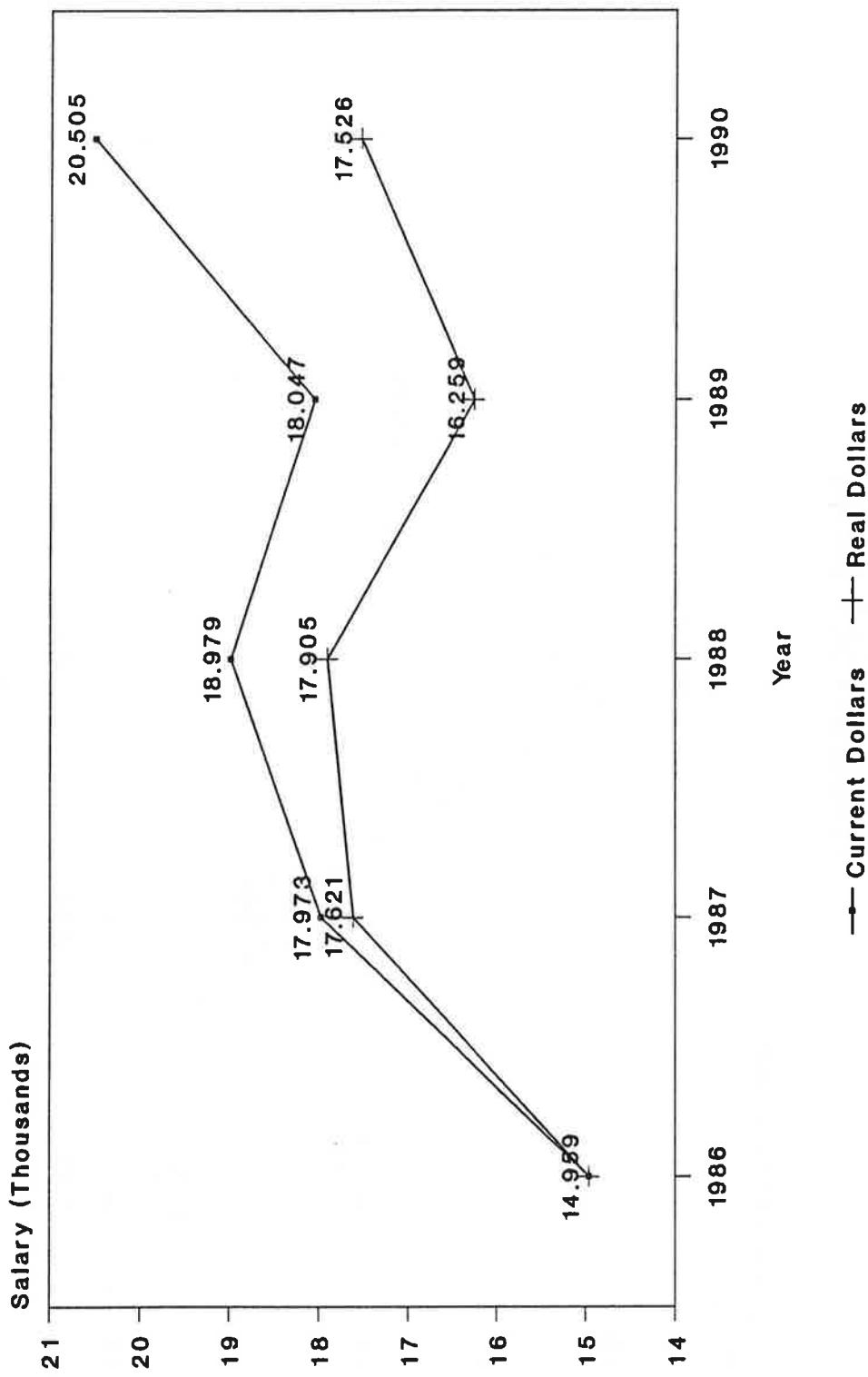
# Five Year Salary Trend Computer Science



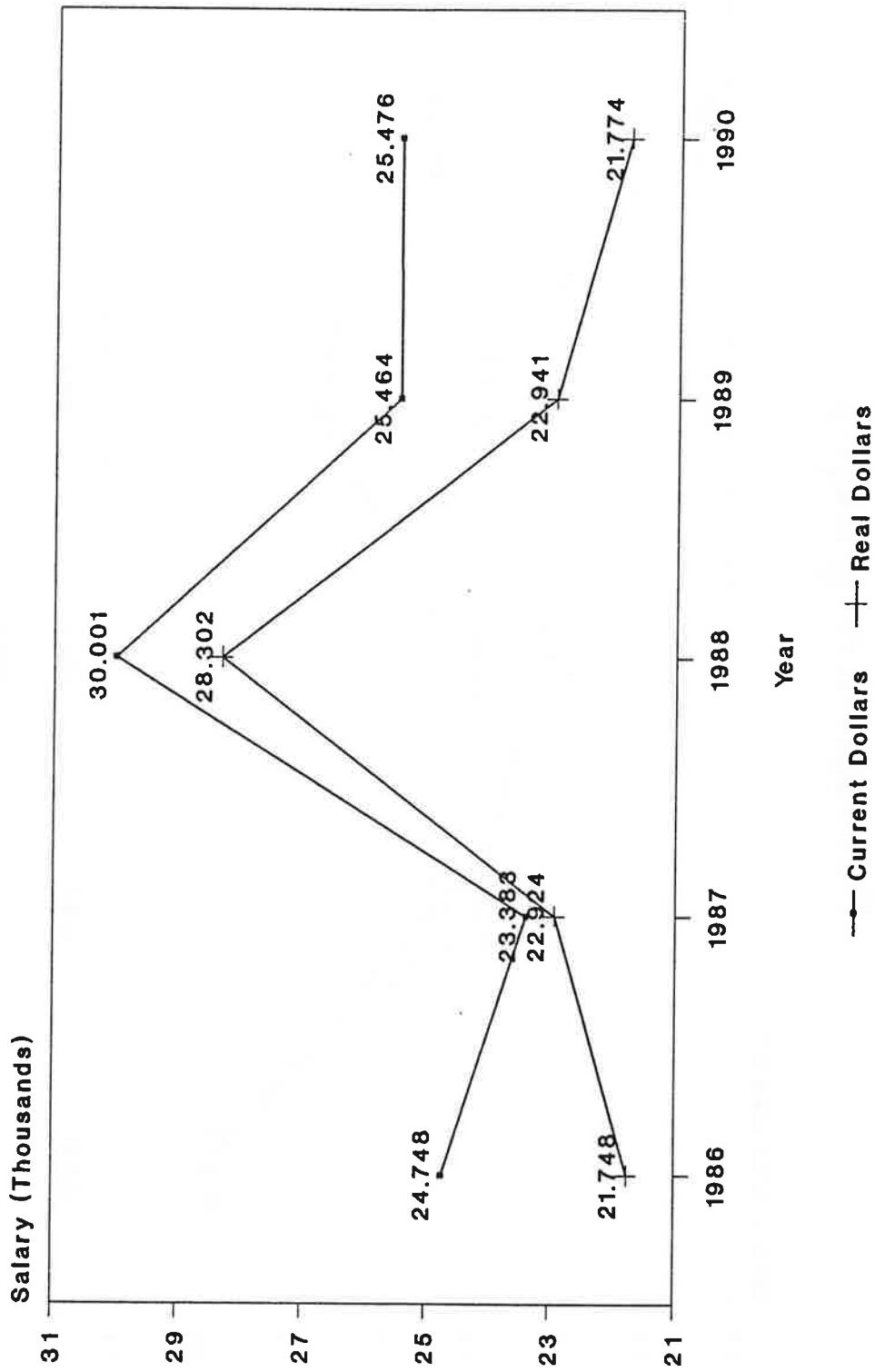
# Five Year Salary Trend Education



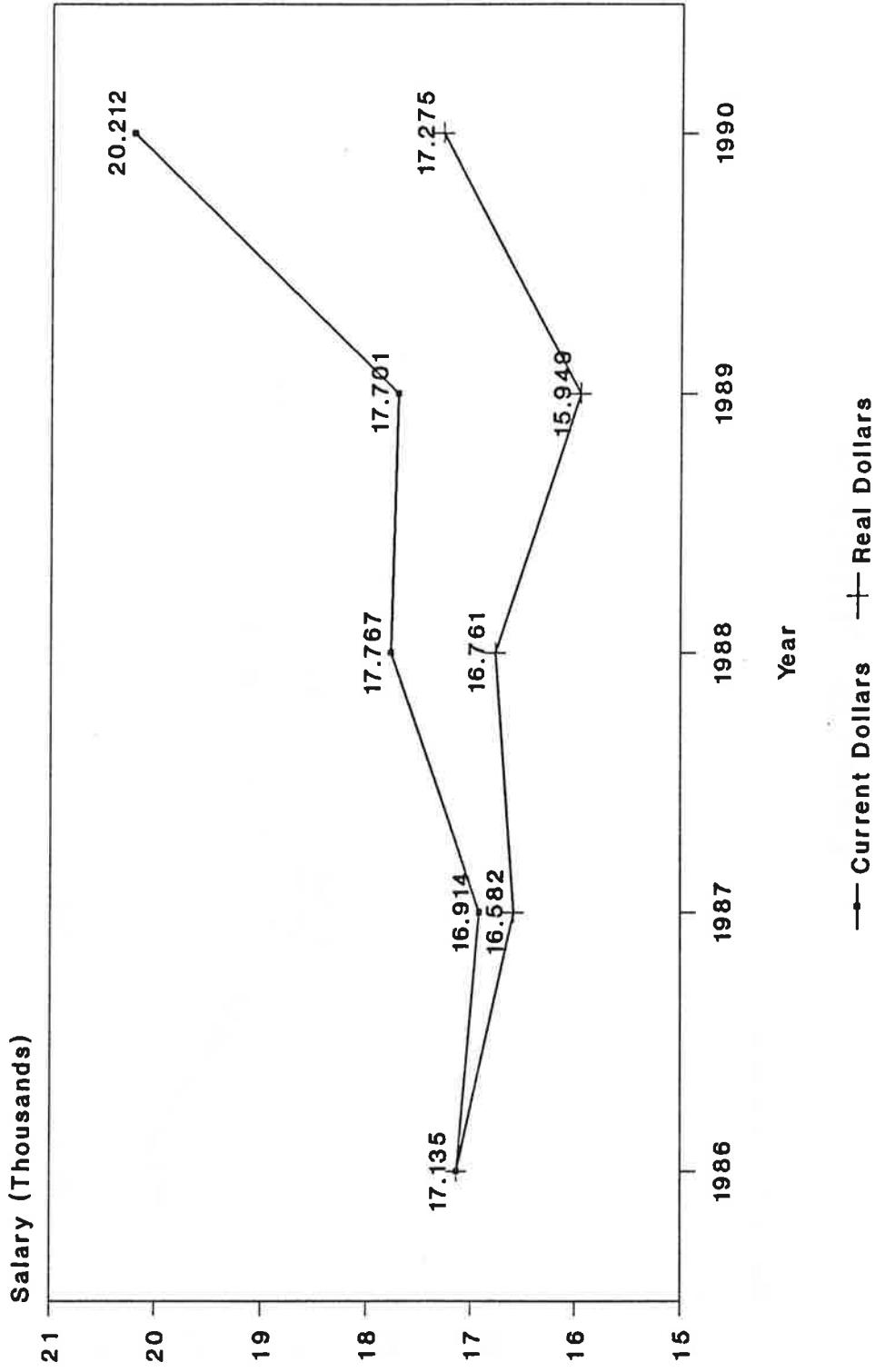
# Five Year Salary Trend Foreign Languages



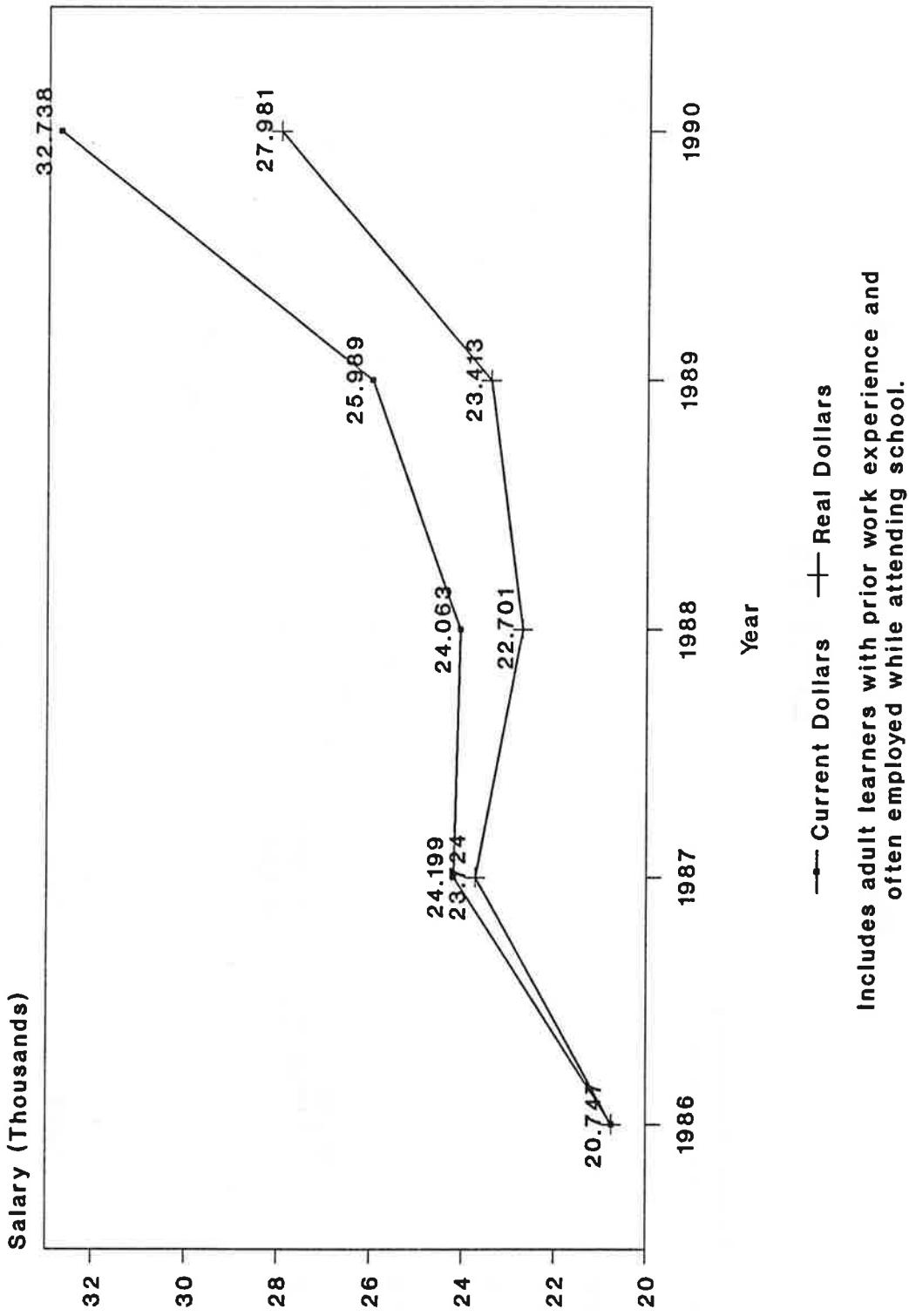
## Five Year Salary Trend Industrial Arts



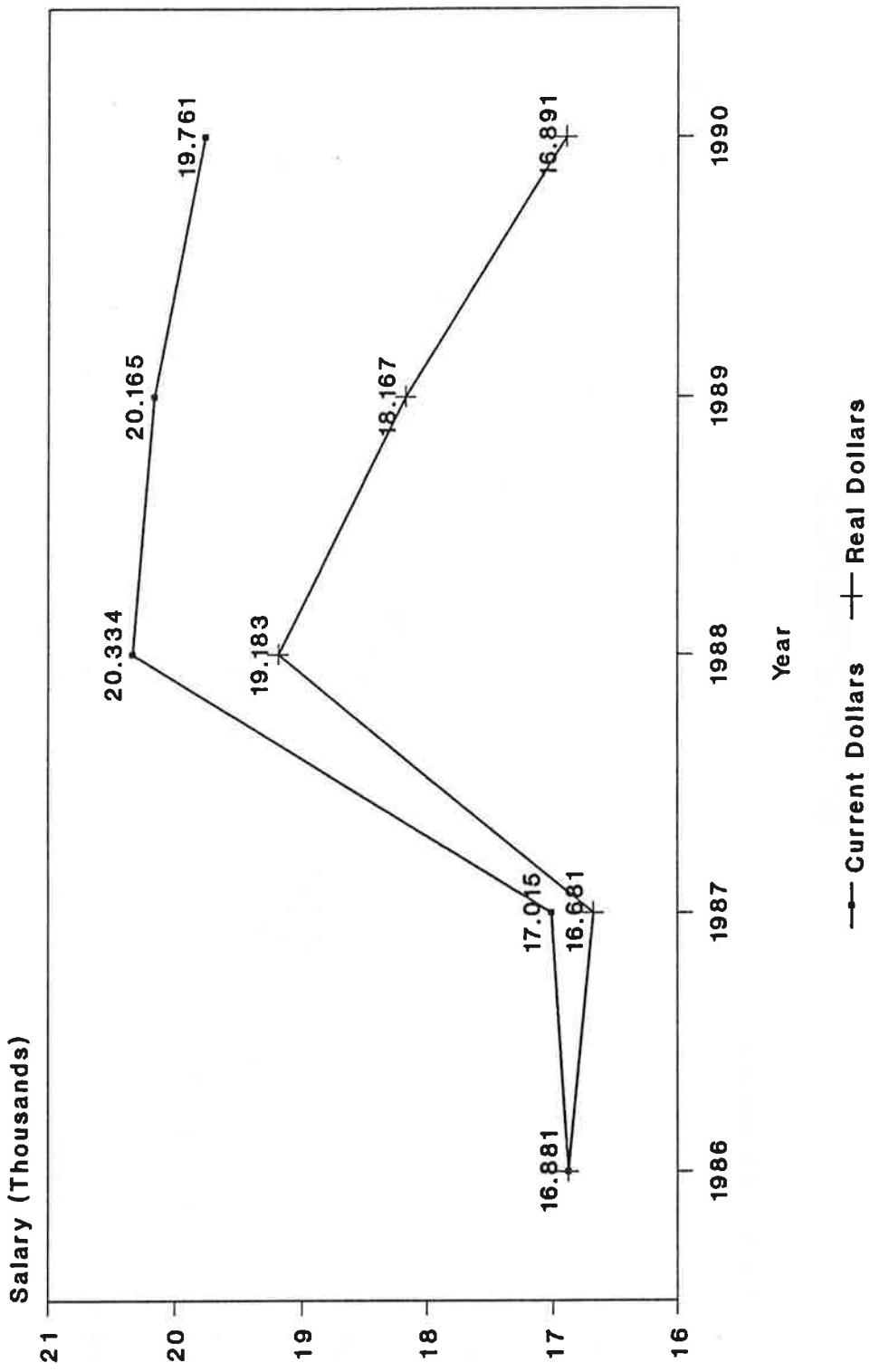
## Five Year Salary Trend Letters



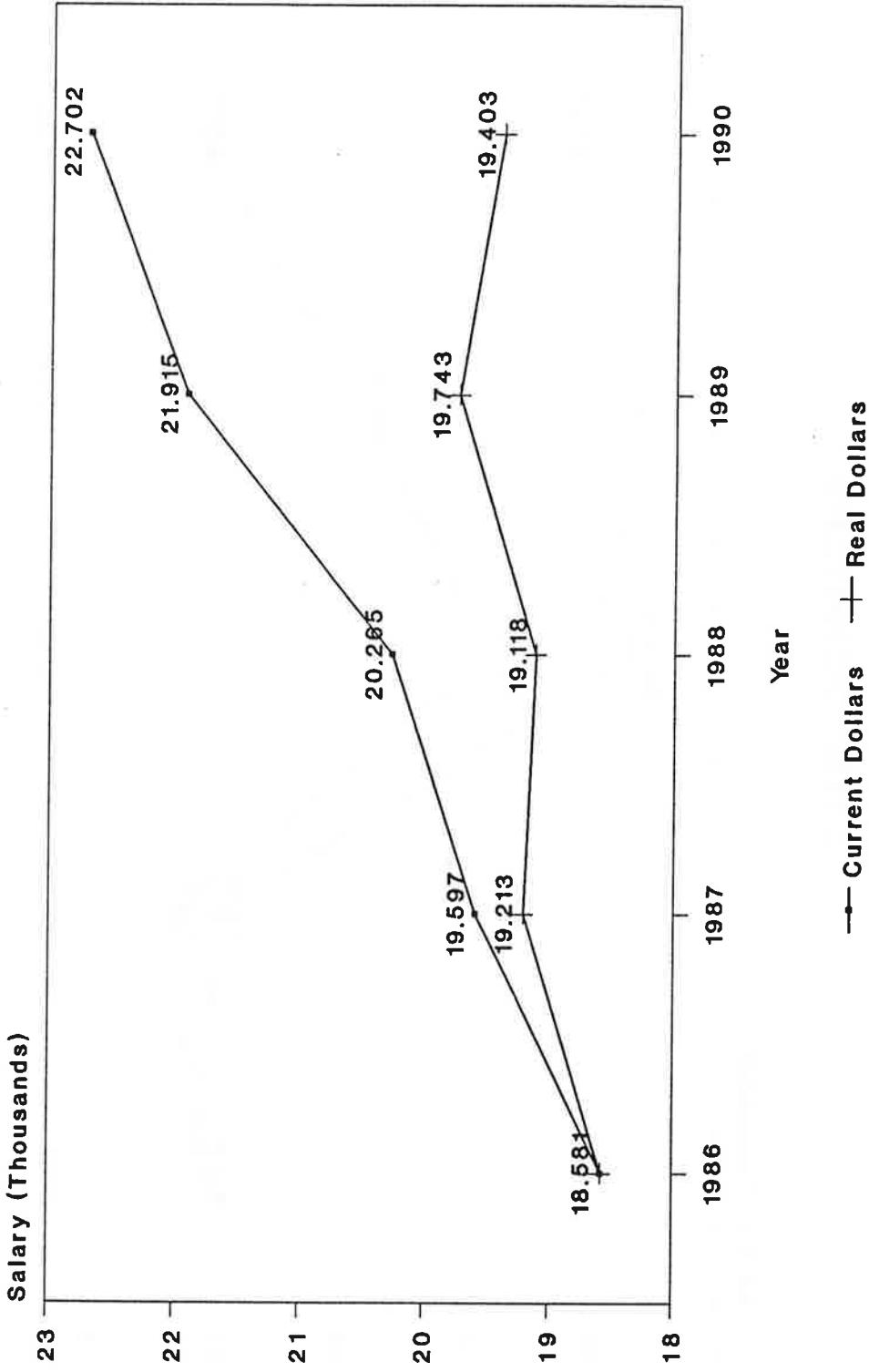
## Five Year Salary Trend Liberal Studies



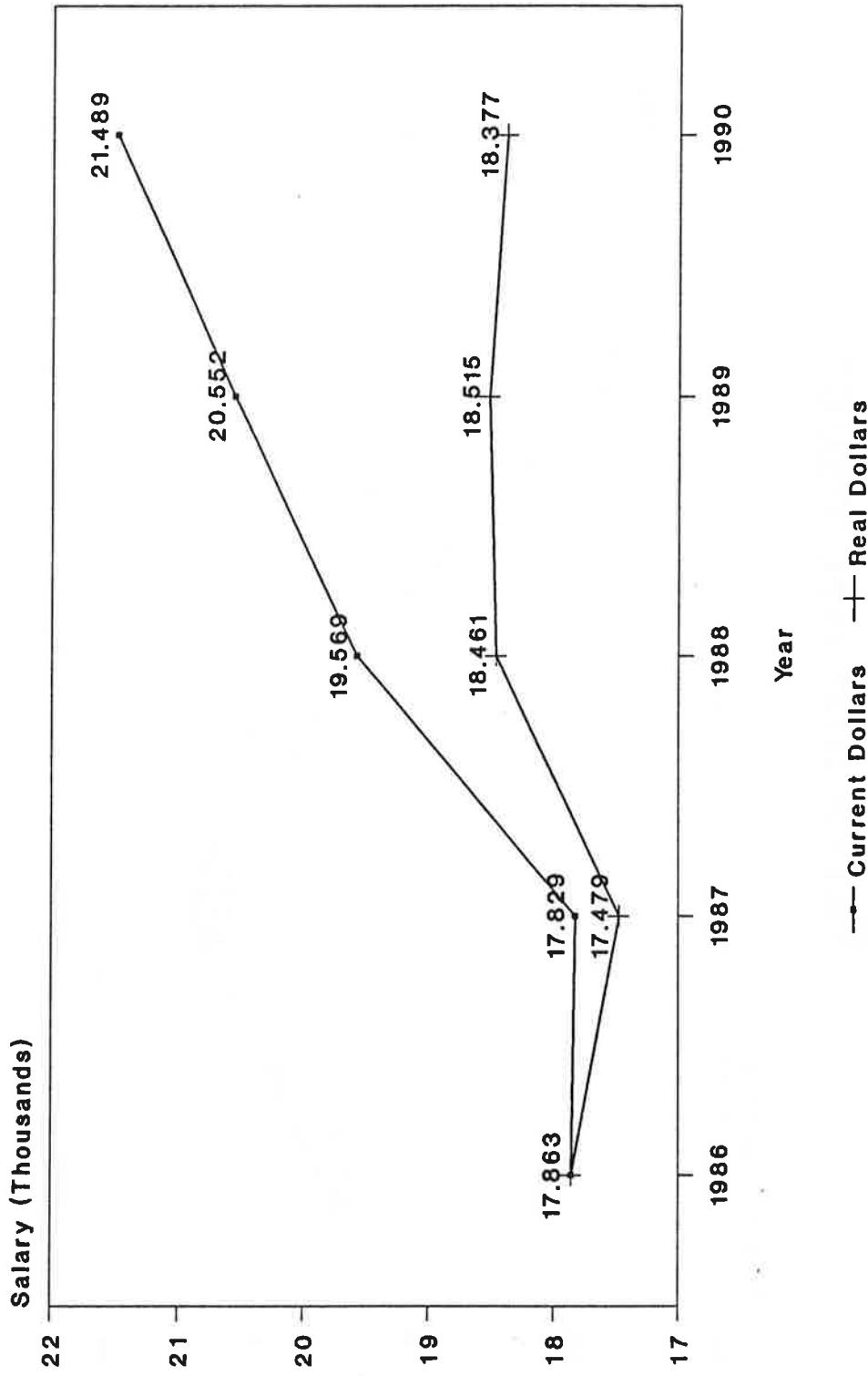
## Five Year Salary Trend Life Sciences



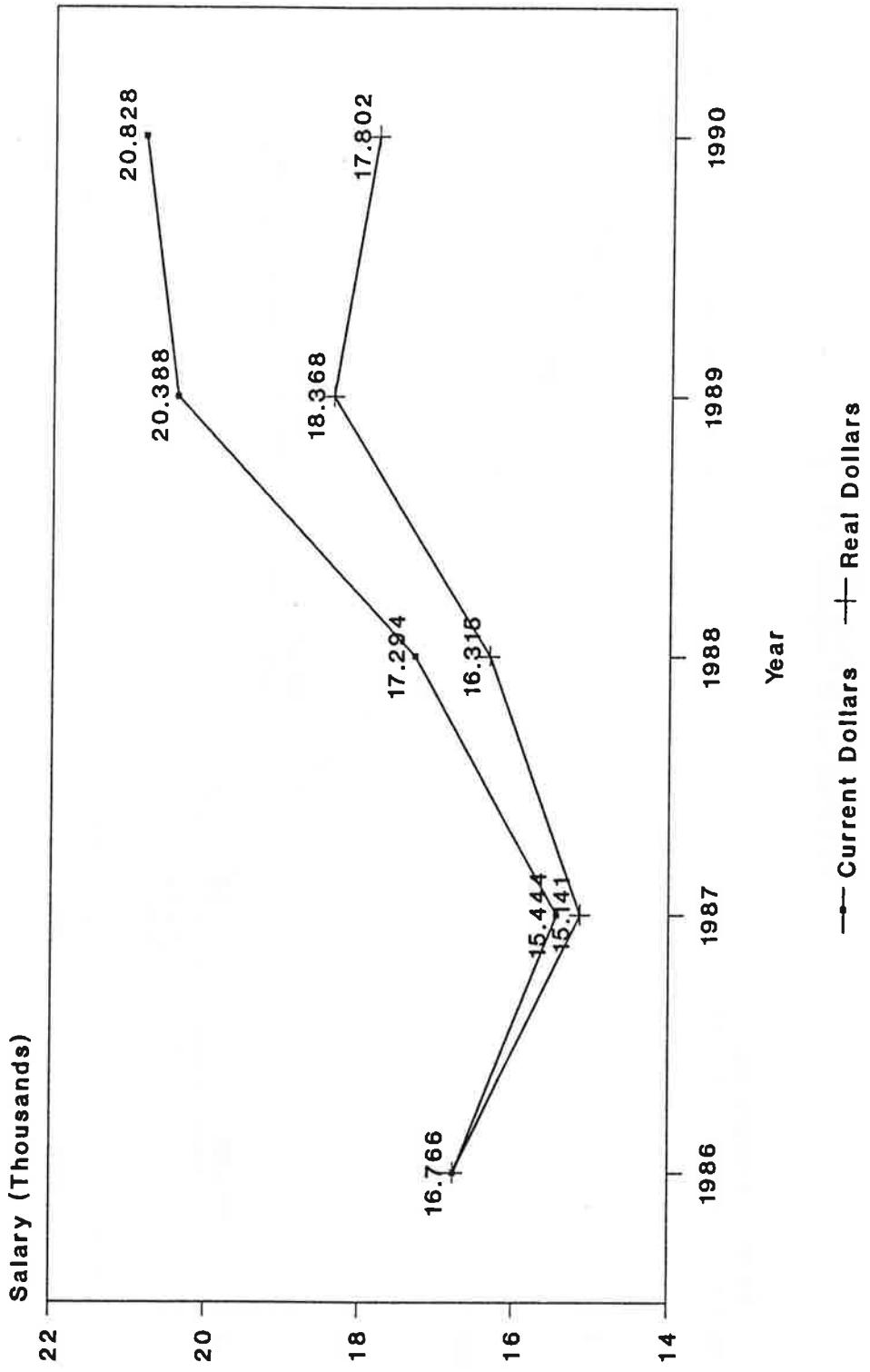
# Five Year Salary Trend Mathematics



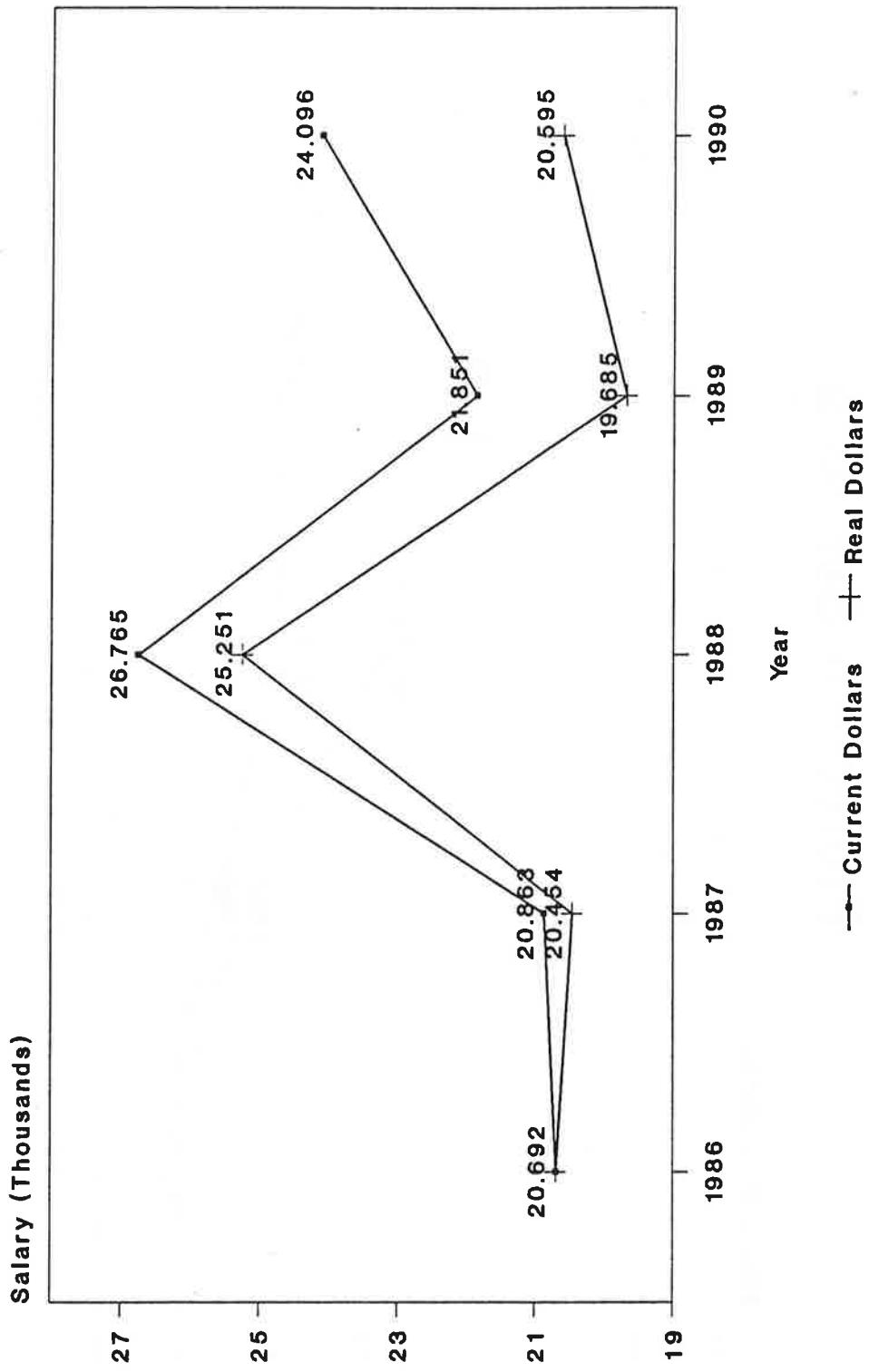
## Five Year Salary Trend Interdisciplinary



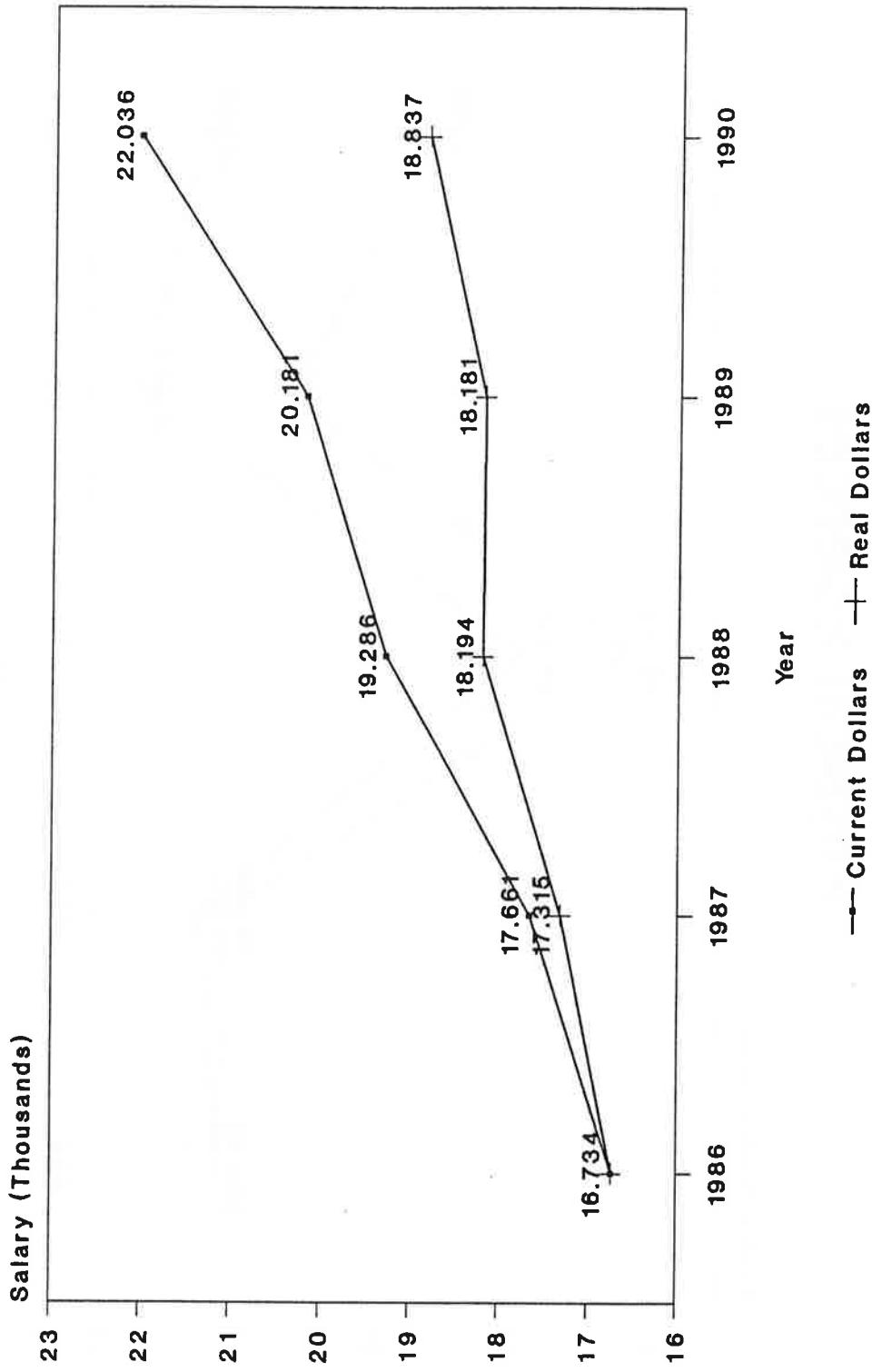
## Five Year Salary Trend Parks and Recreation



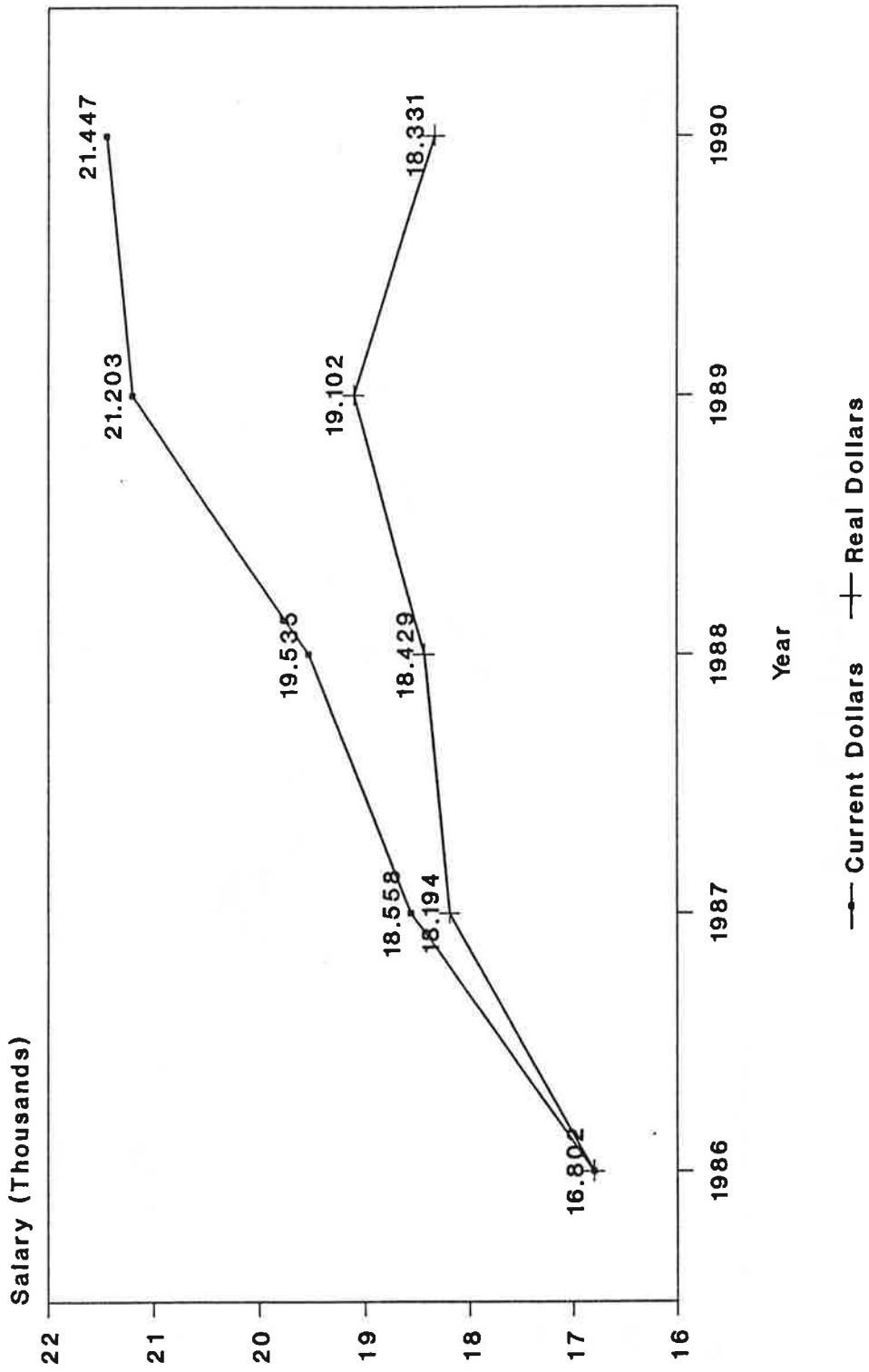
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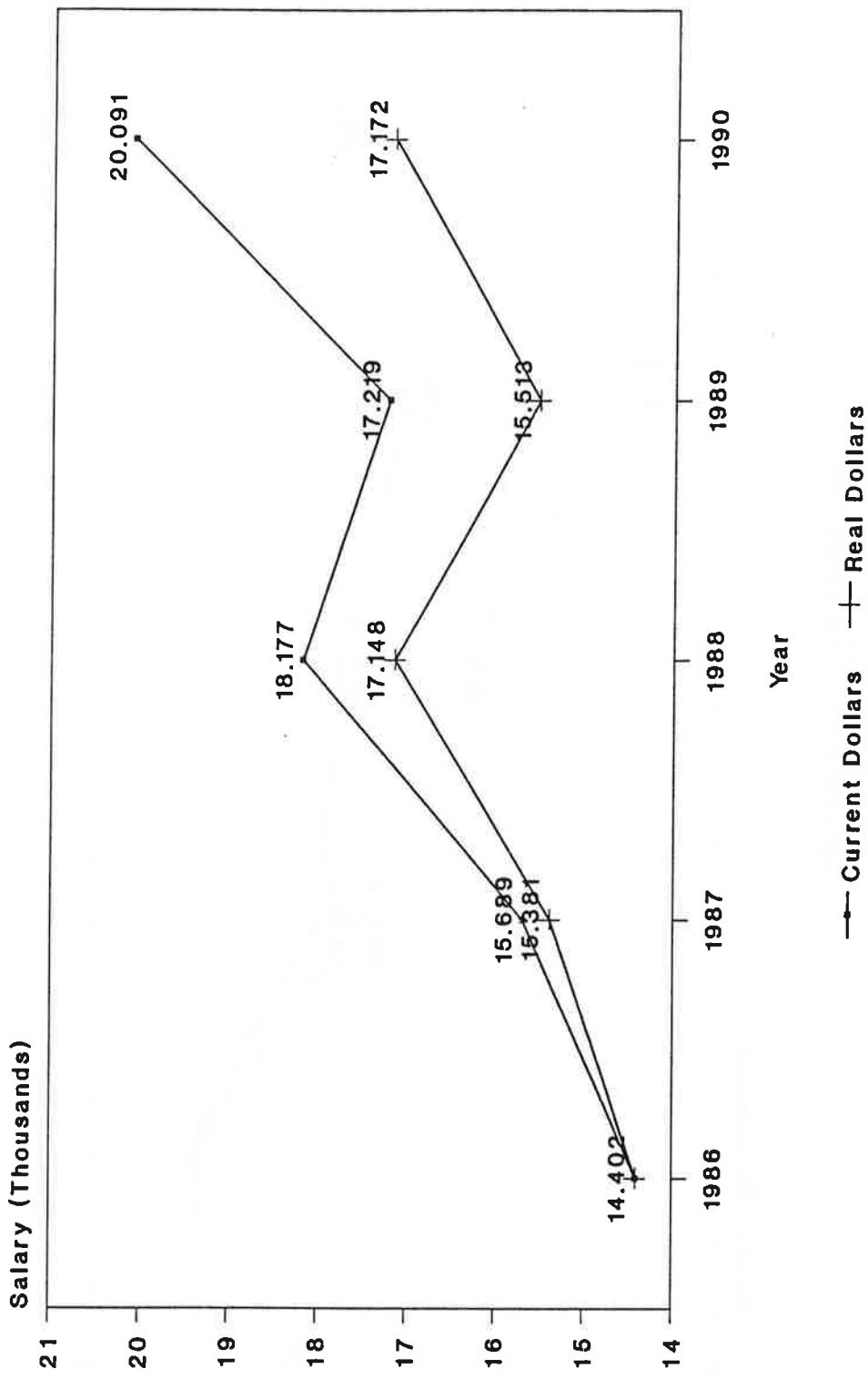
## Five Year Salary Trend Protective Services



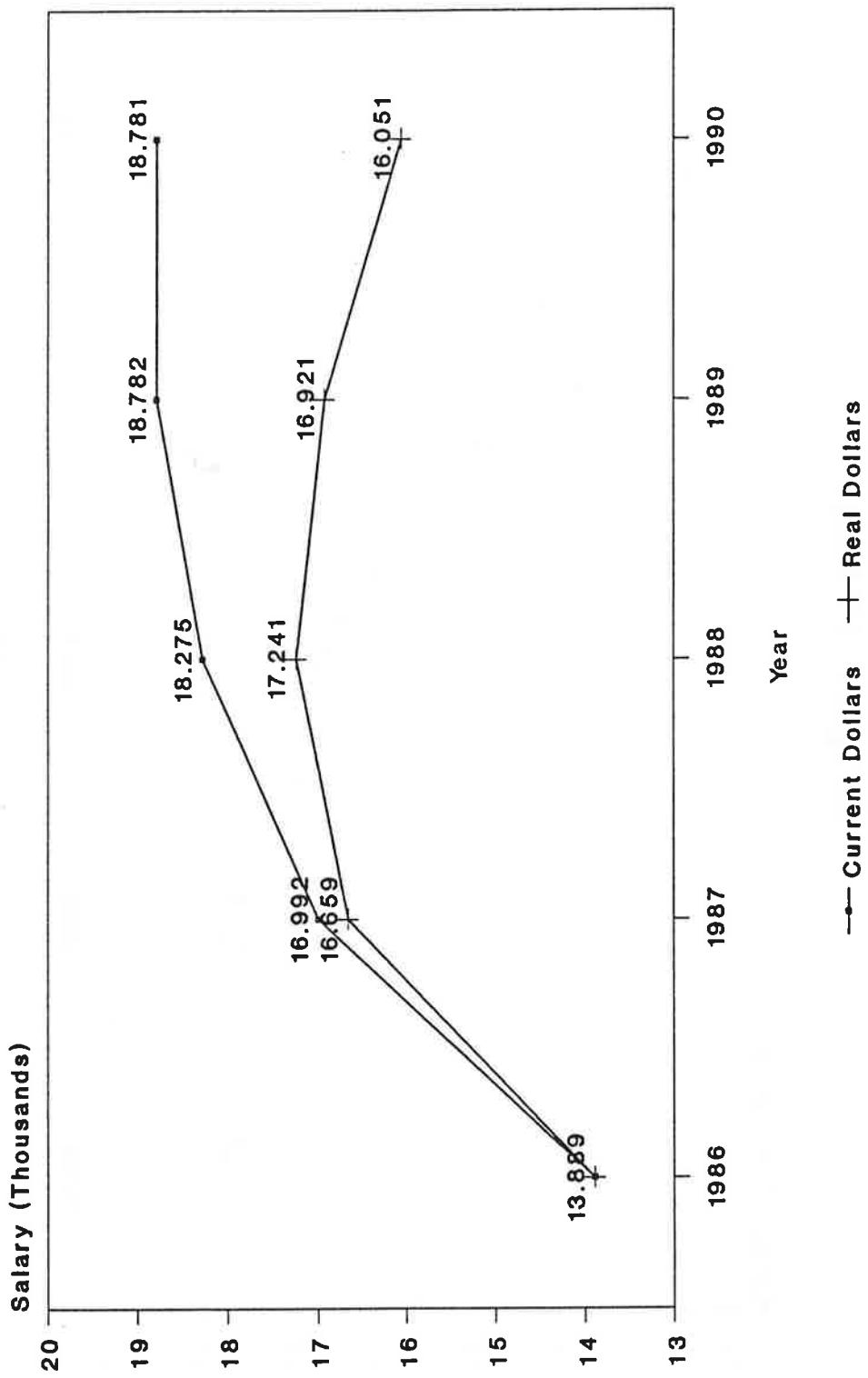
## Five Year Salary Trend Social Science



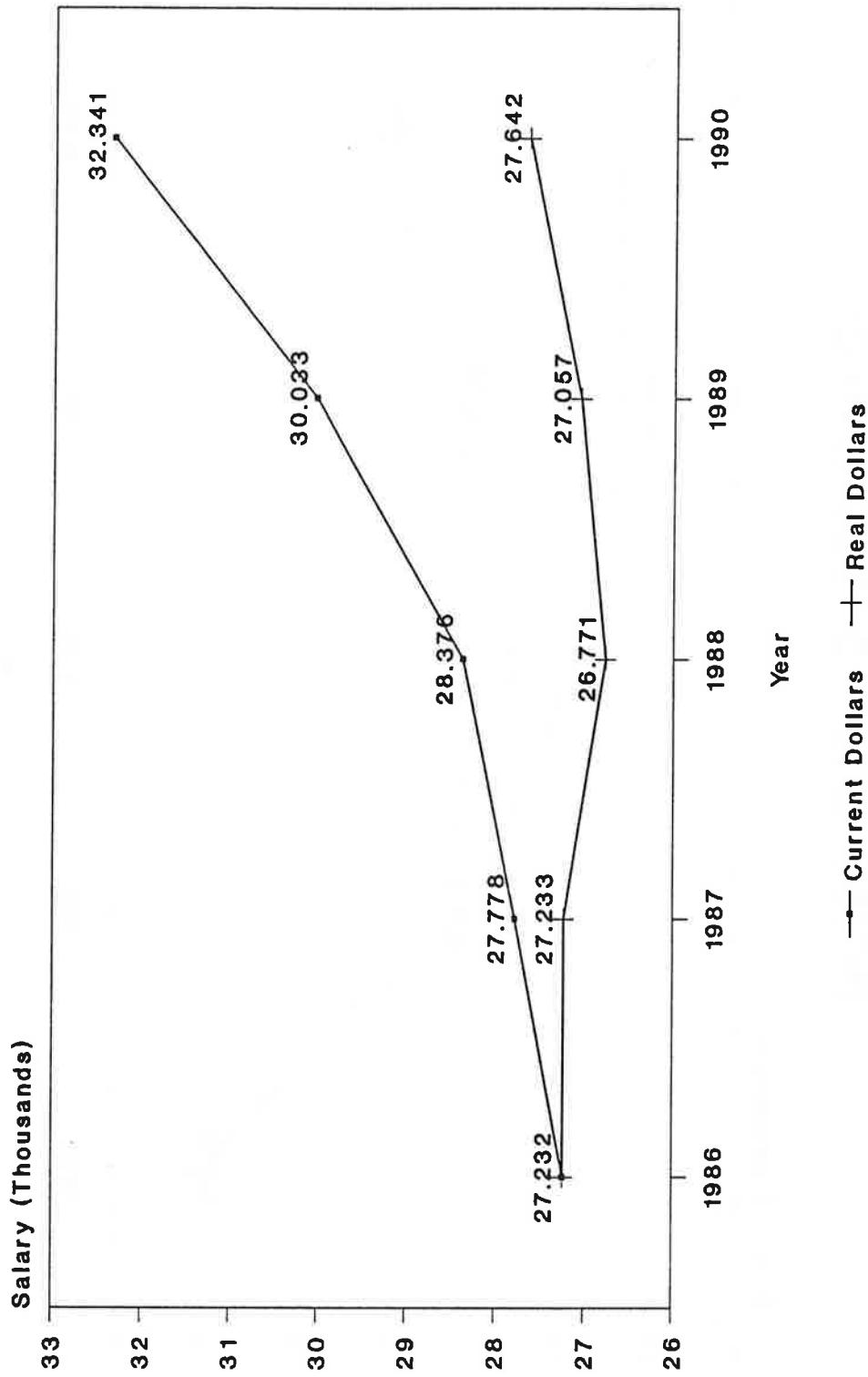
## Five Year Salary Trend Performing Arts



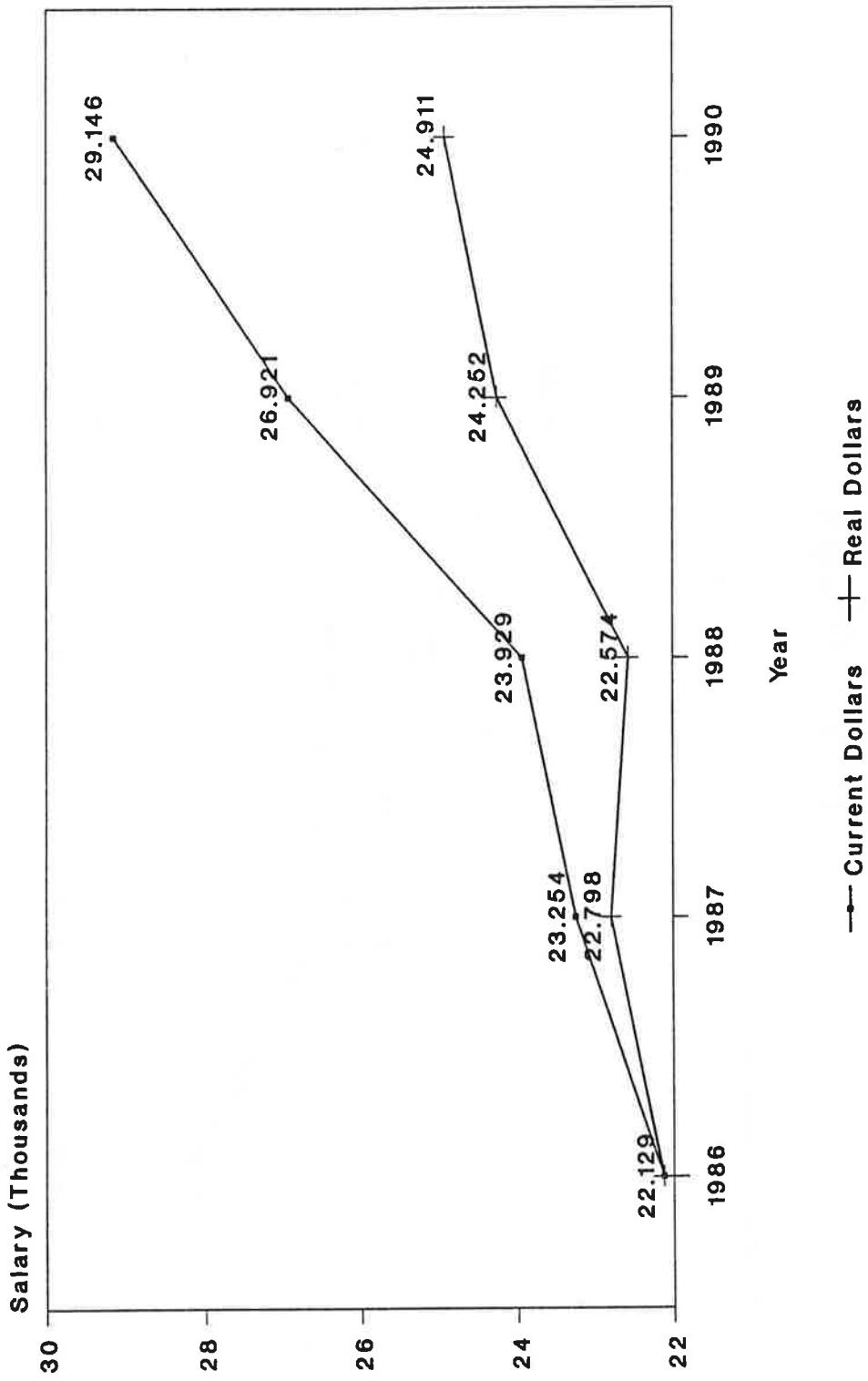
# Five Year Salary Trend Home Econ & Vocational



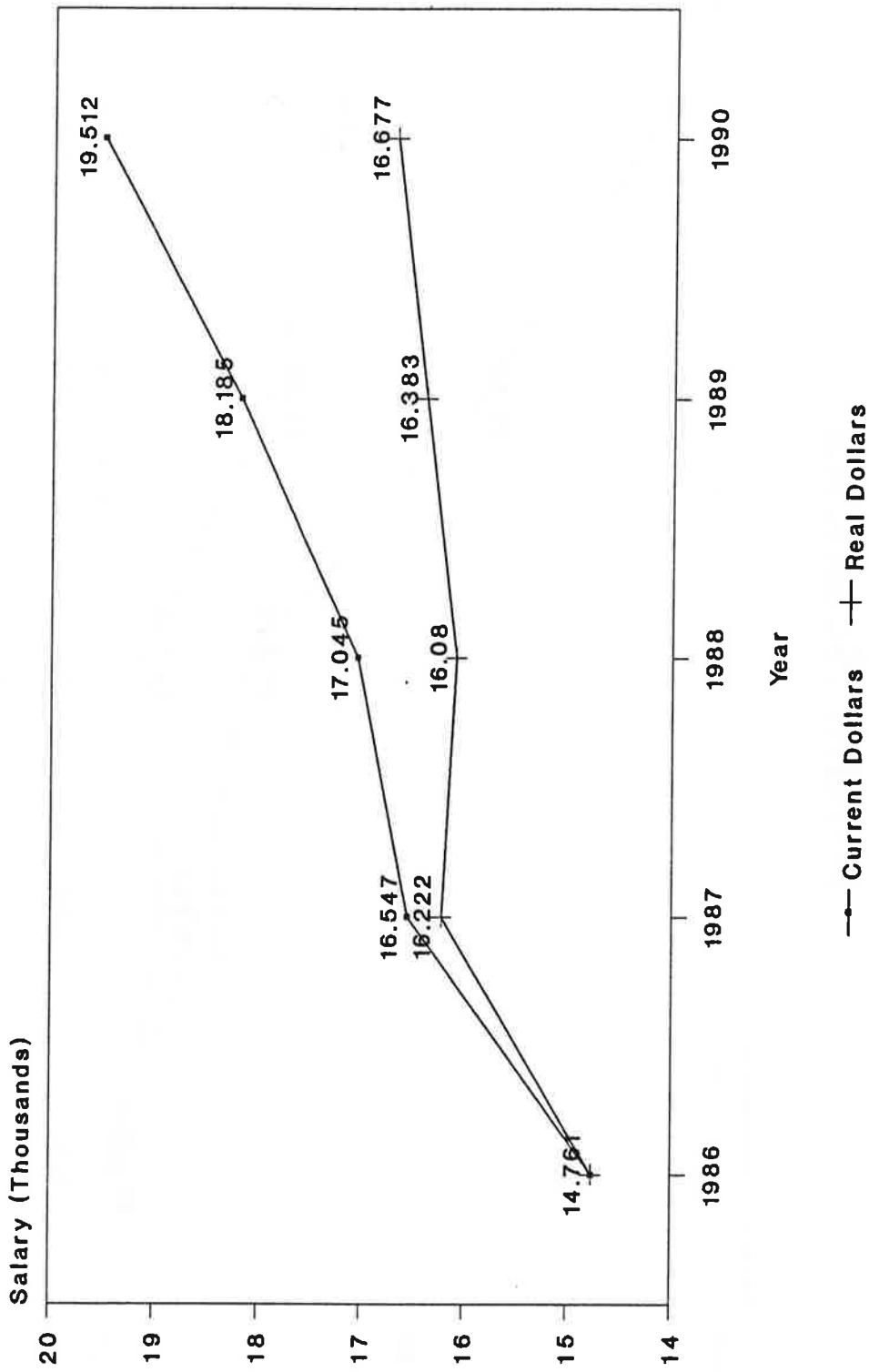
# Five Year Salary Trend Engineering



## Five Year Salary Trend Health Sciences

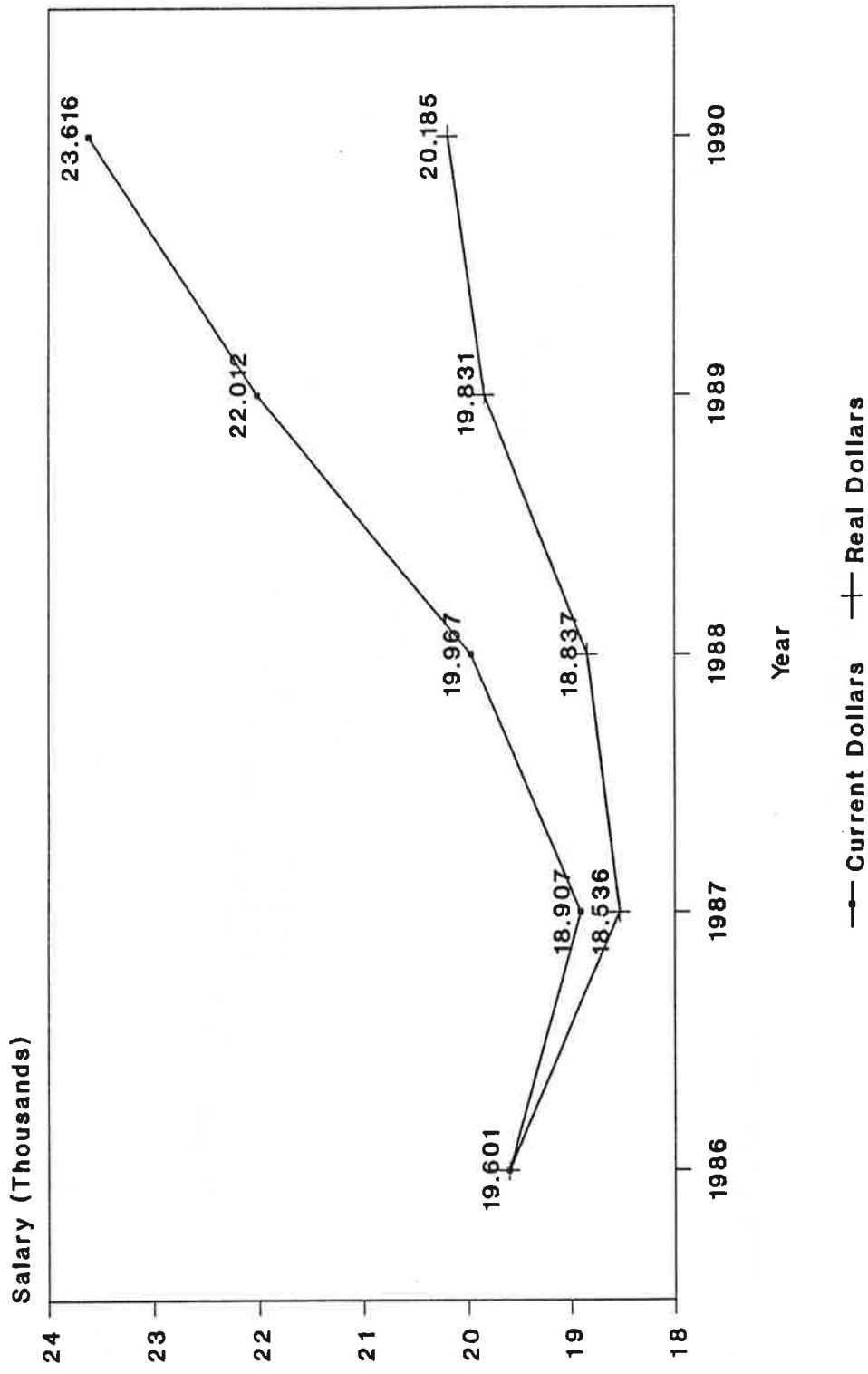


# Five Year Salary Trend Psychology



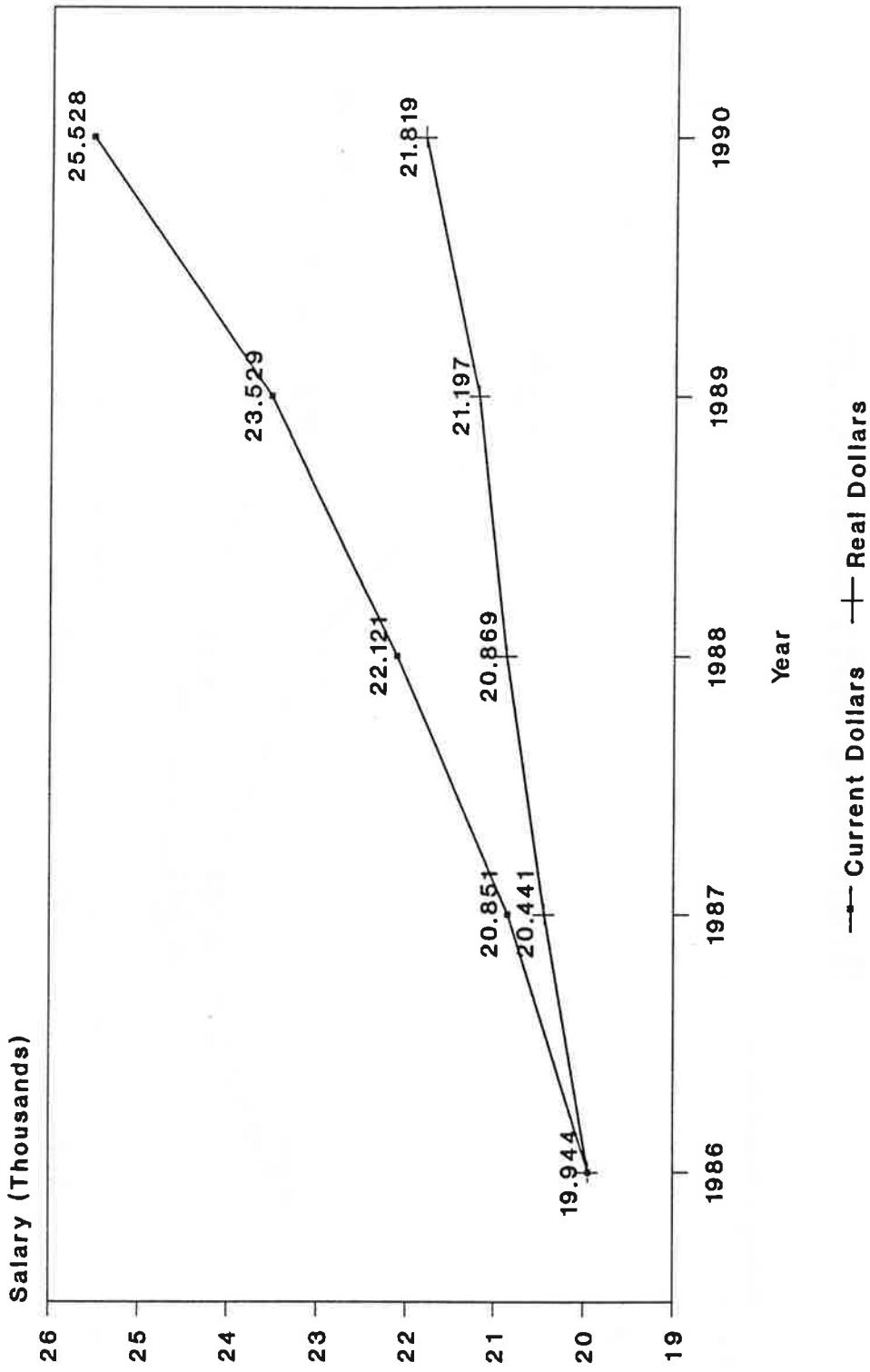
# Popular Undergraduate Majors

## Business Administration



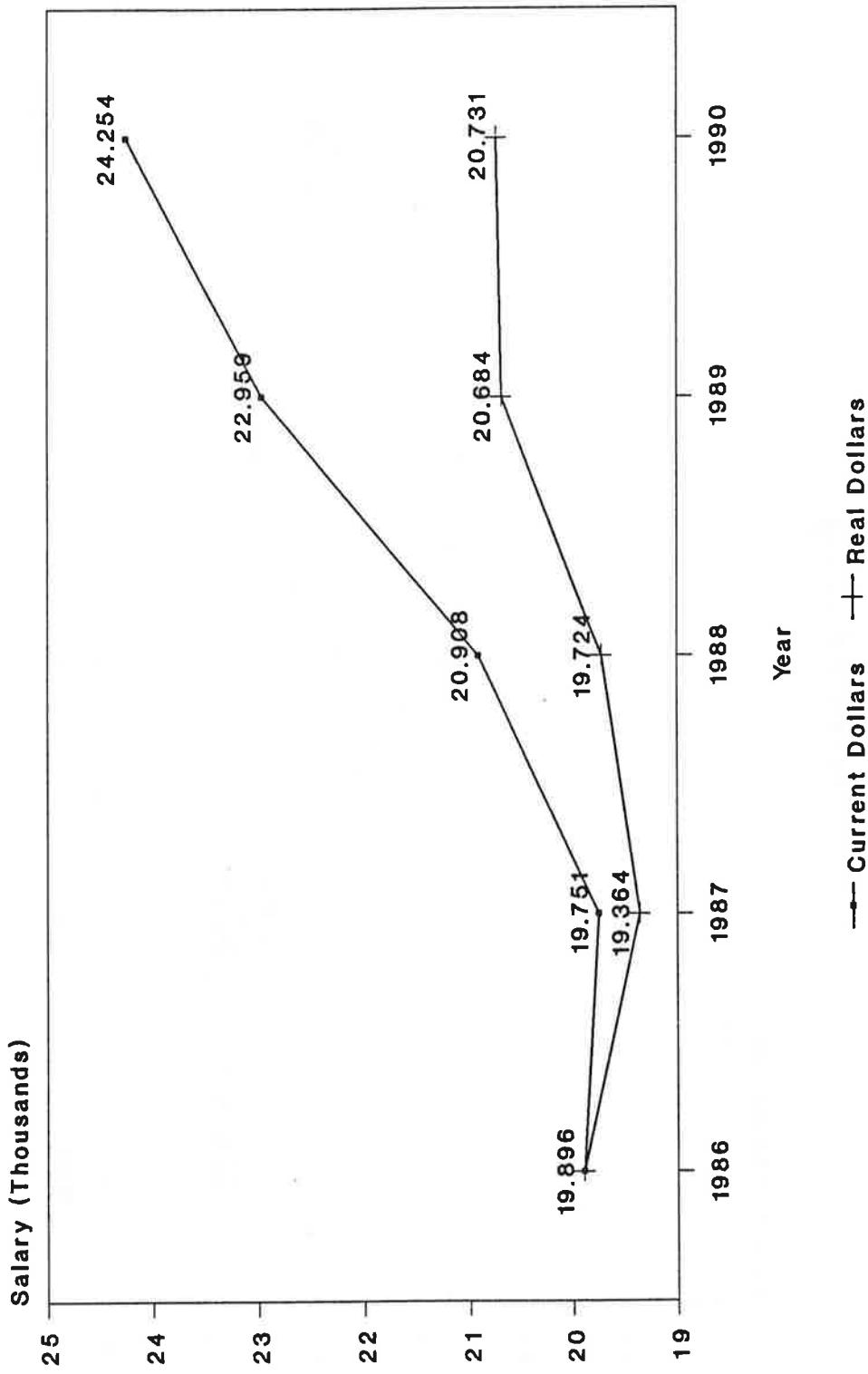
# Popular Undergraduate Majors

## Accounting



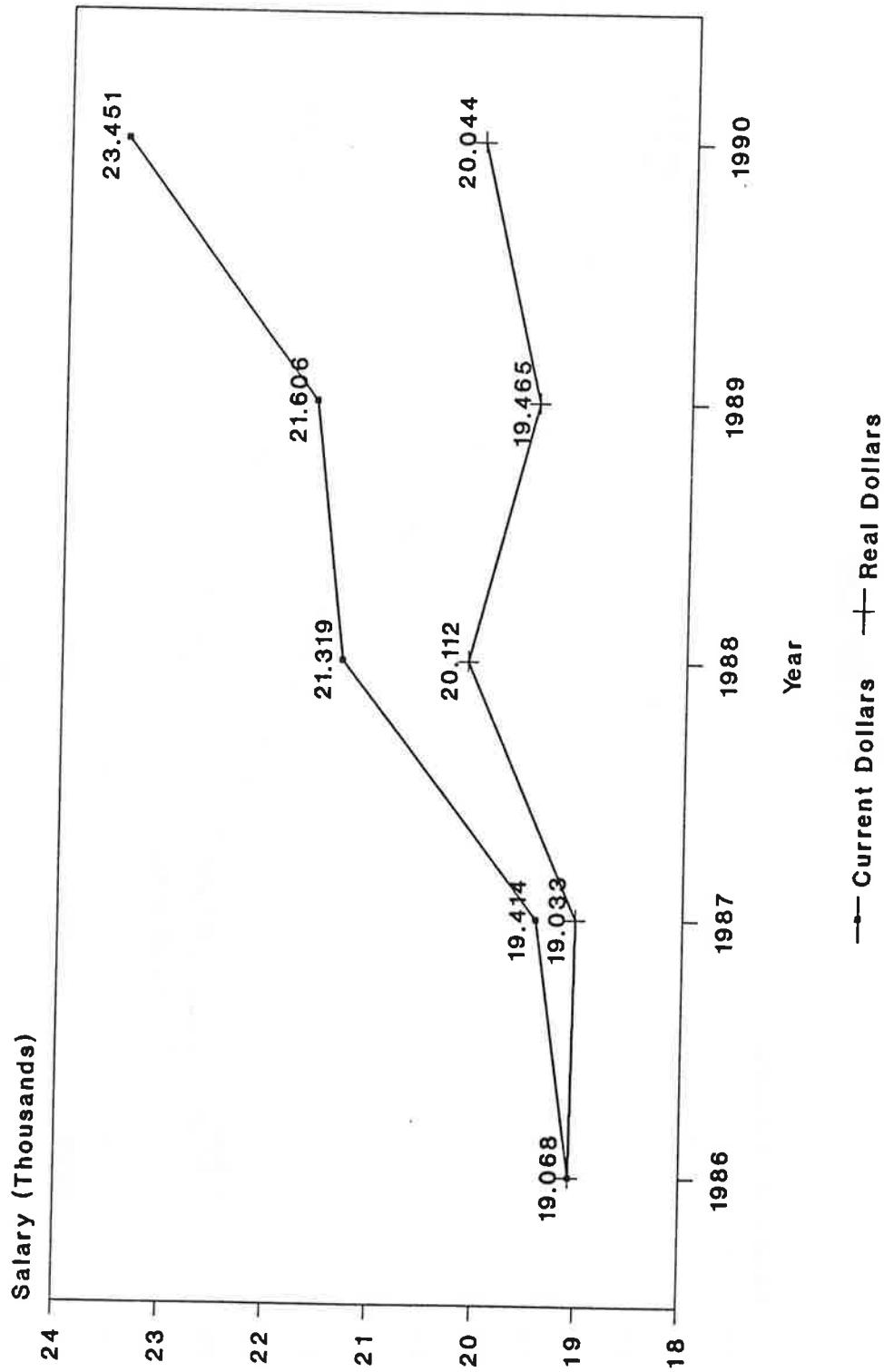
# Popular Undergraduate Majors

## Finance



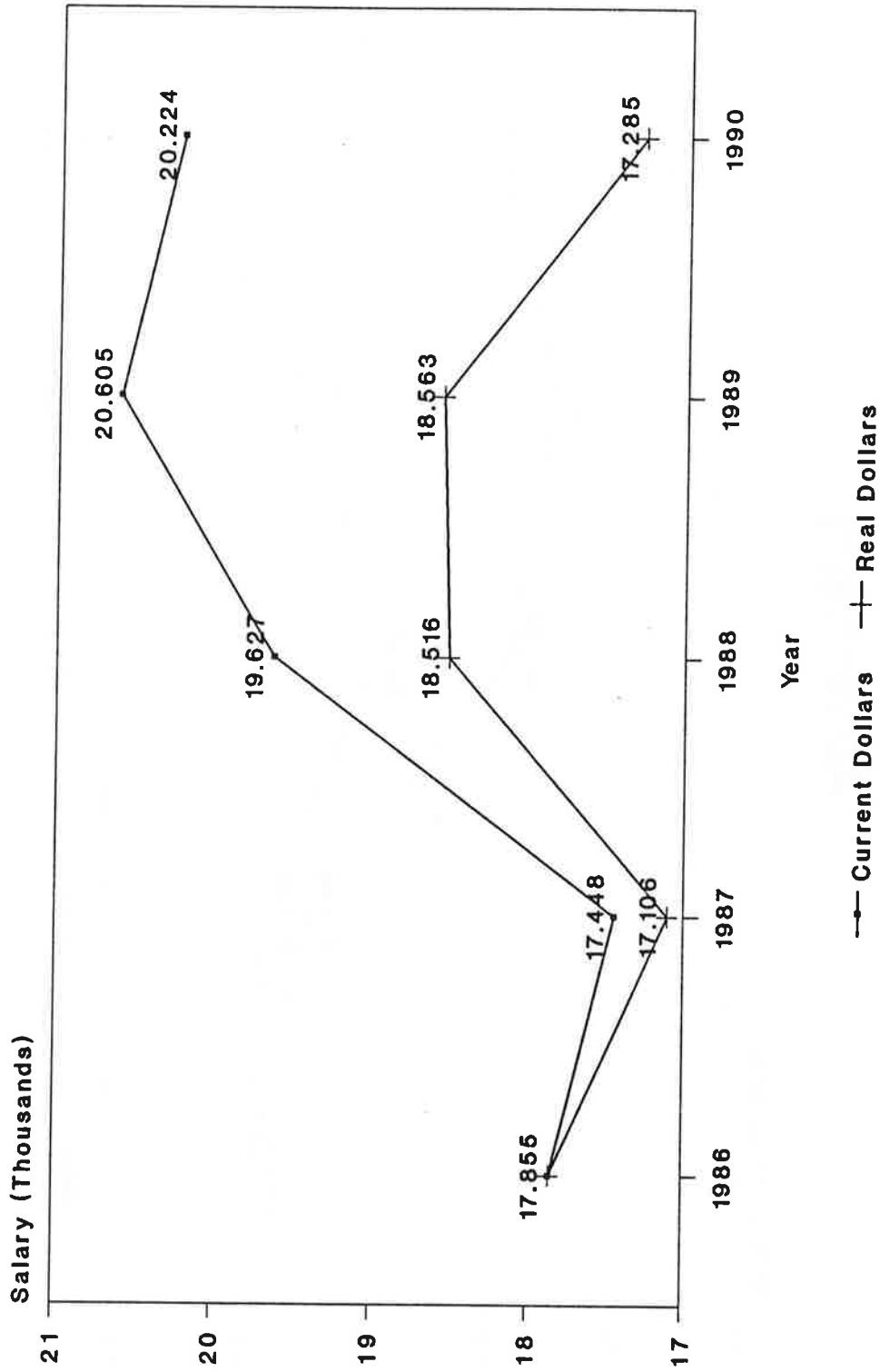
# Popular Undergraduate Majors

## Marketing

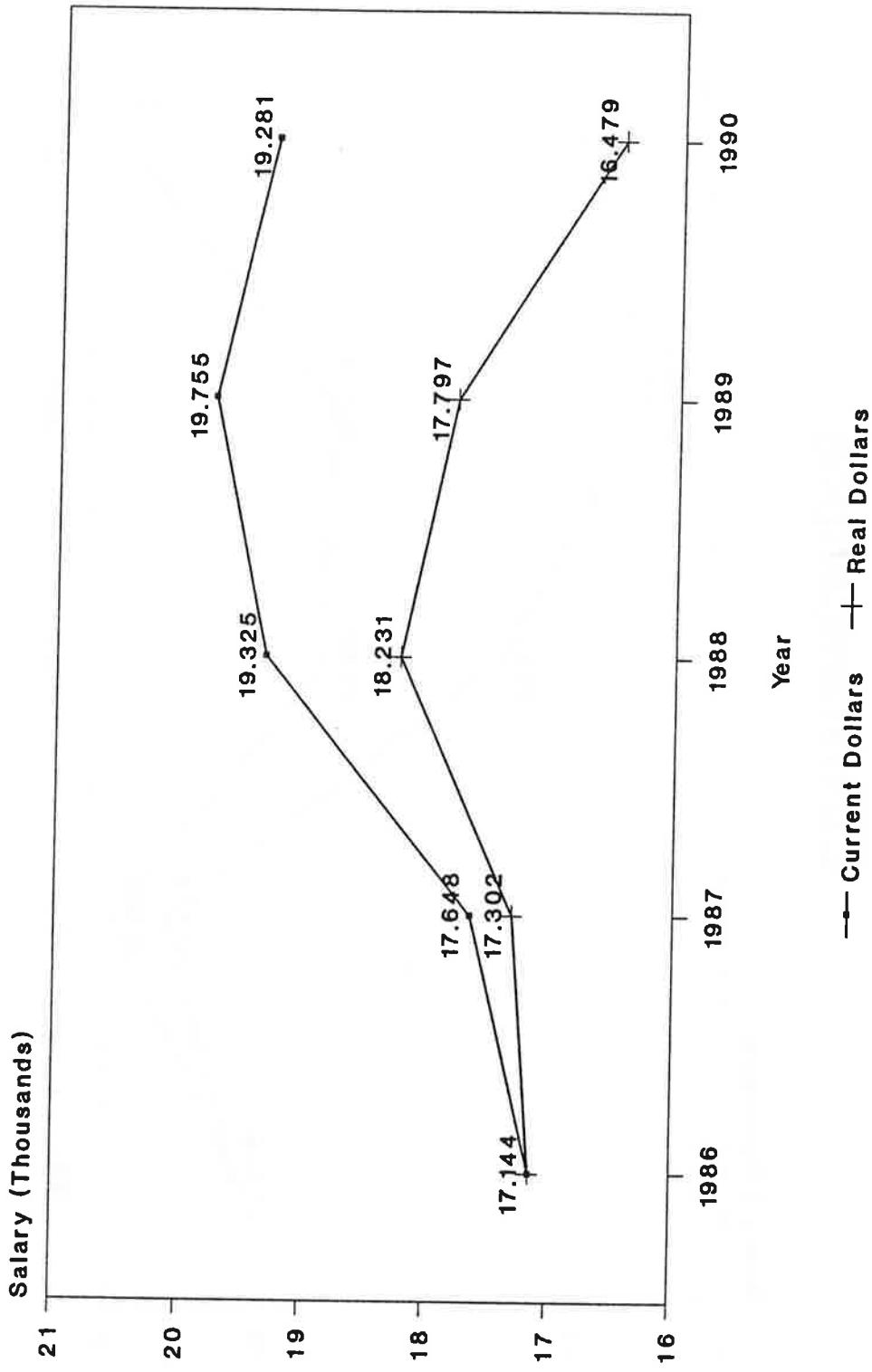


# Popular Undergraduate Majors

## Communications

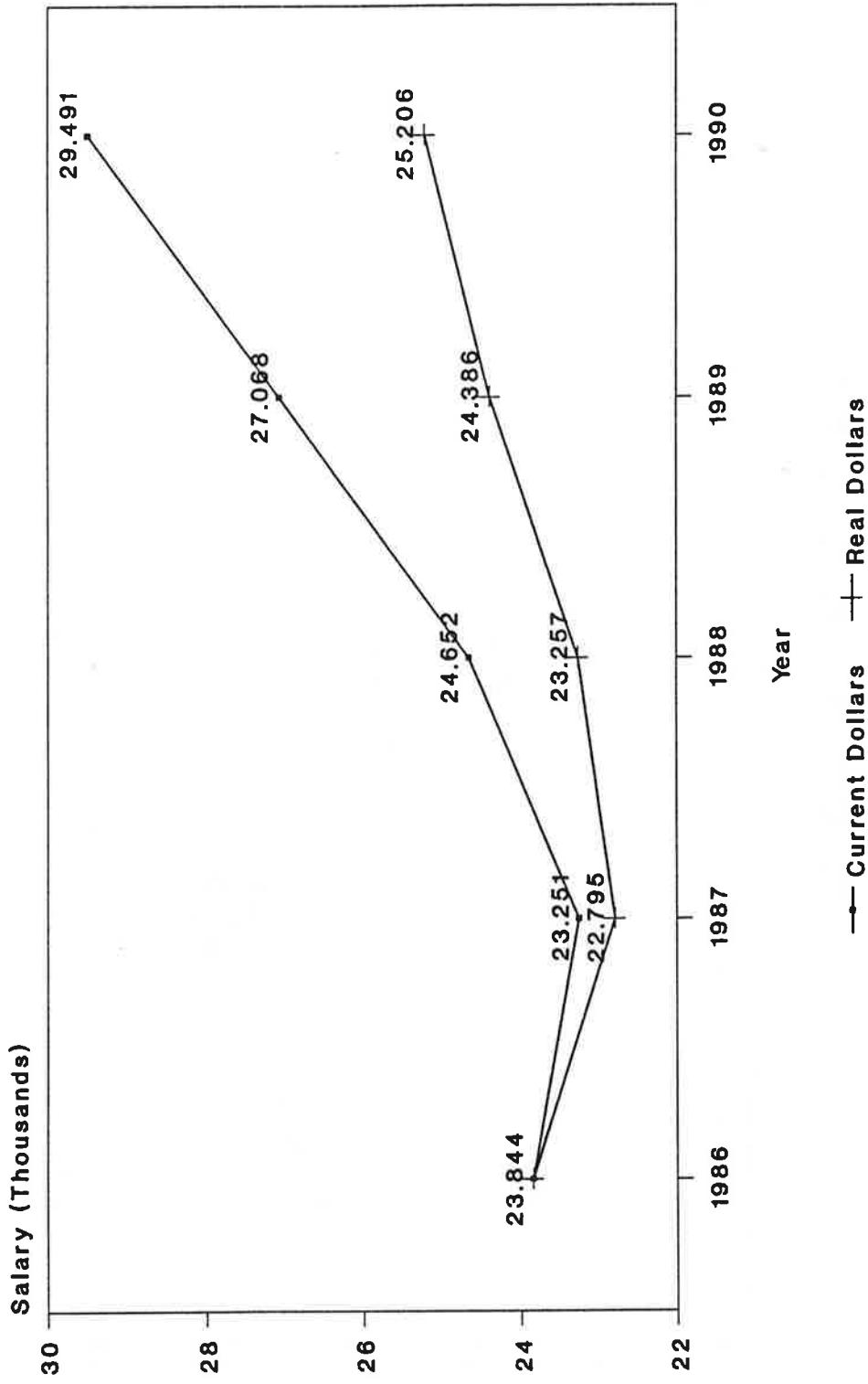


# Popular Undergraduate Majors Advertising

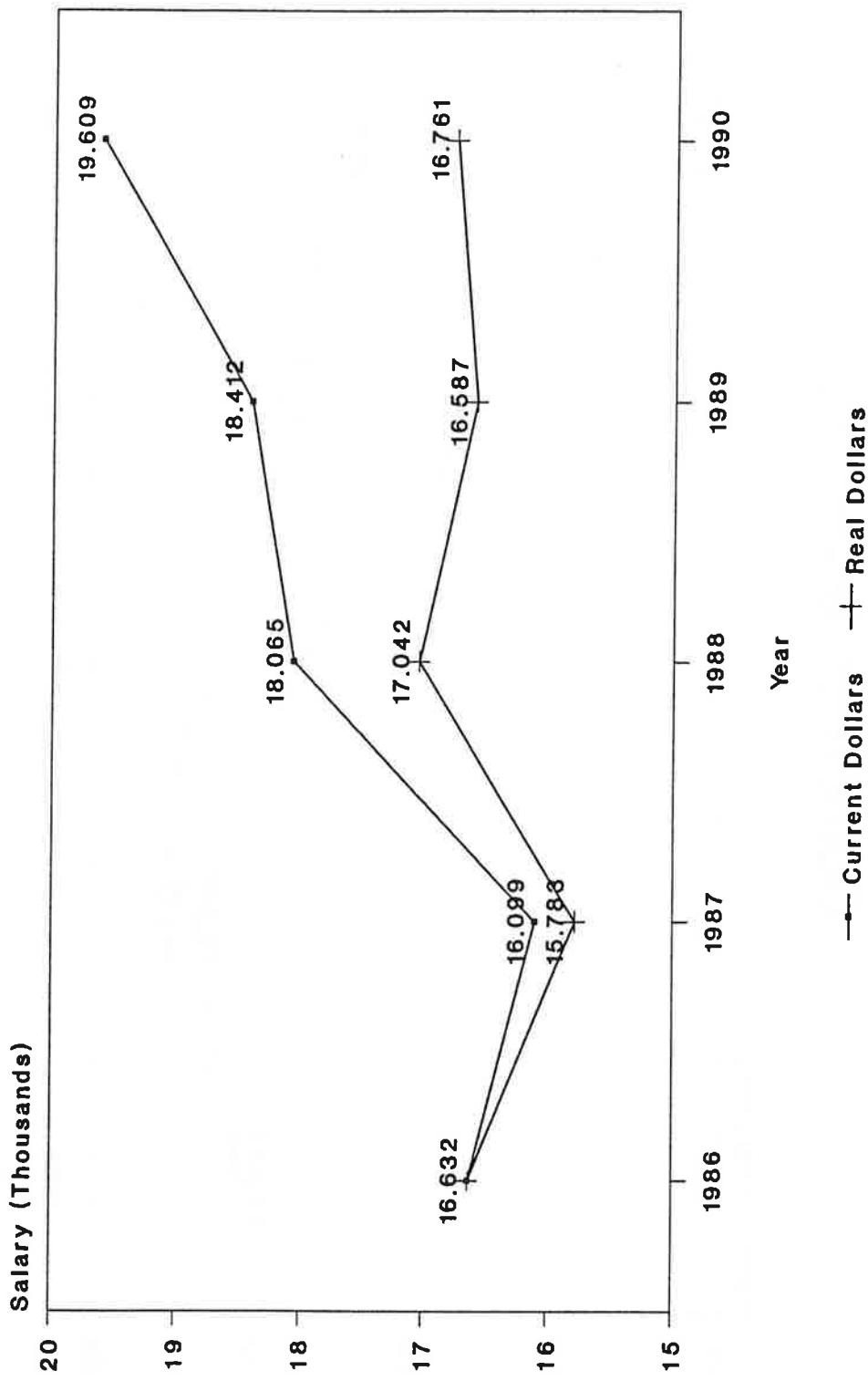


# Popular Undergraduate Majors

## Computer Science

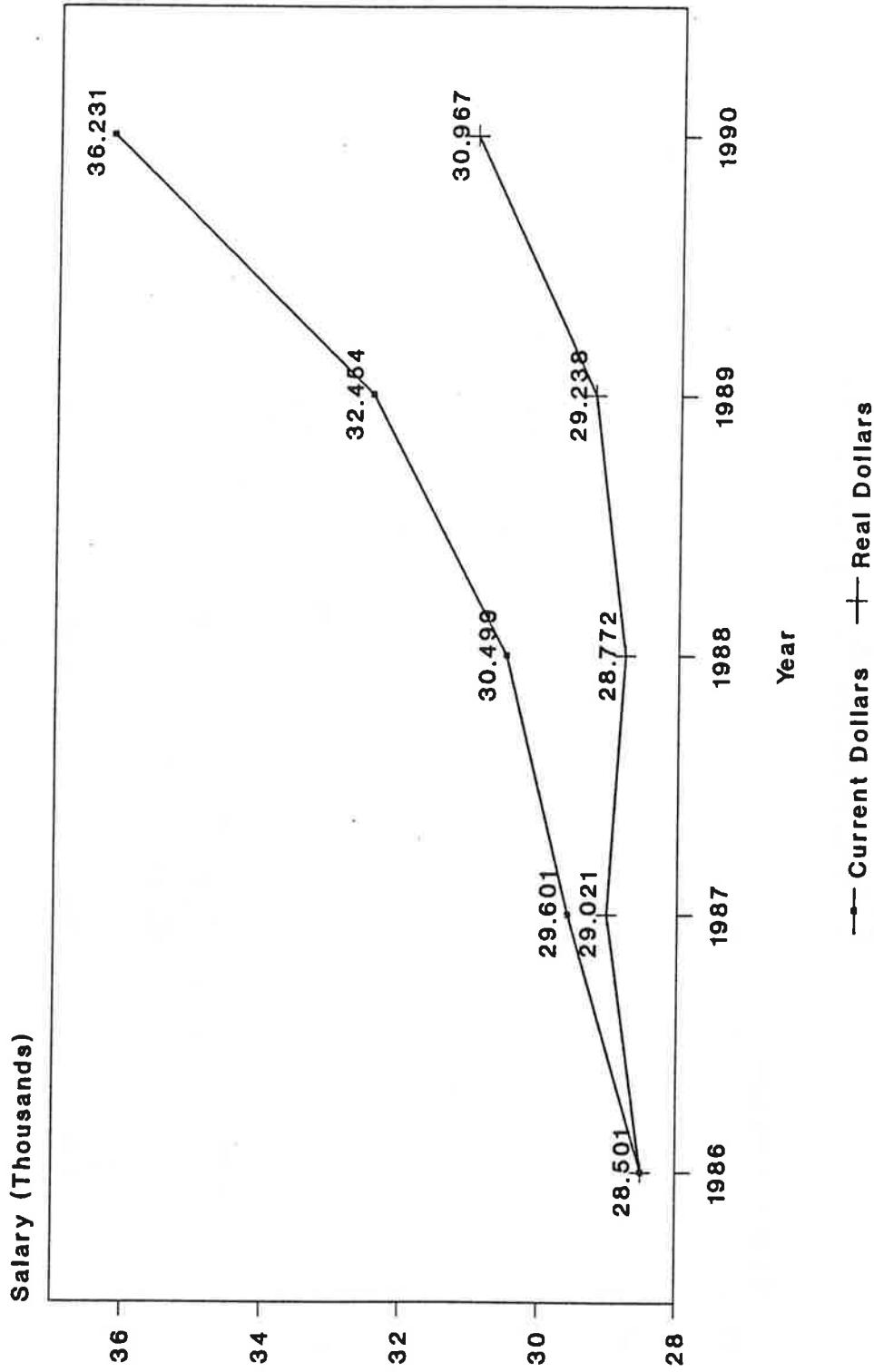


# Popular Undergraduate Majors Elementary Education



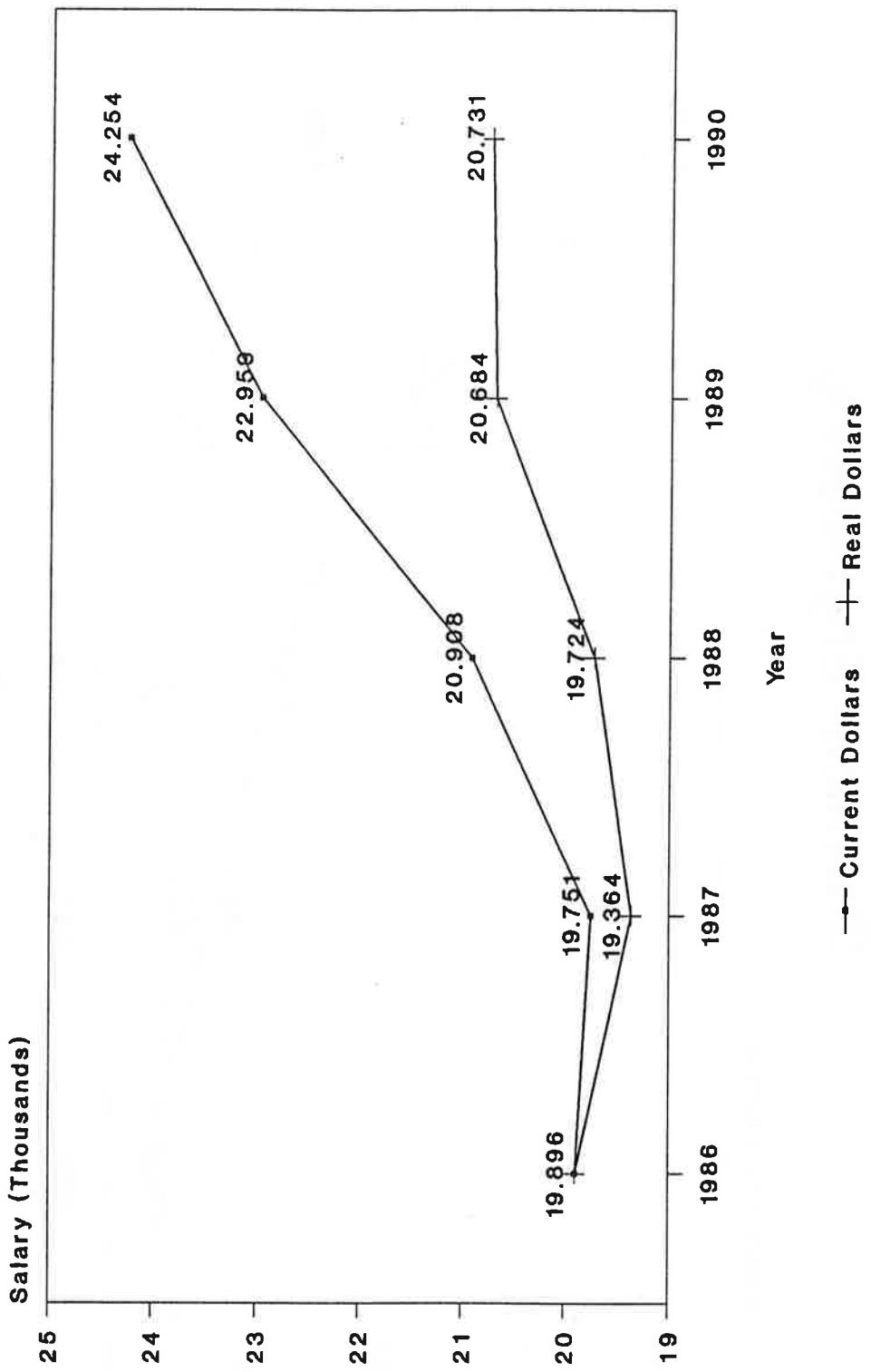
# Popular Undergraduate Majors

## Chemical Engineering



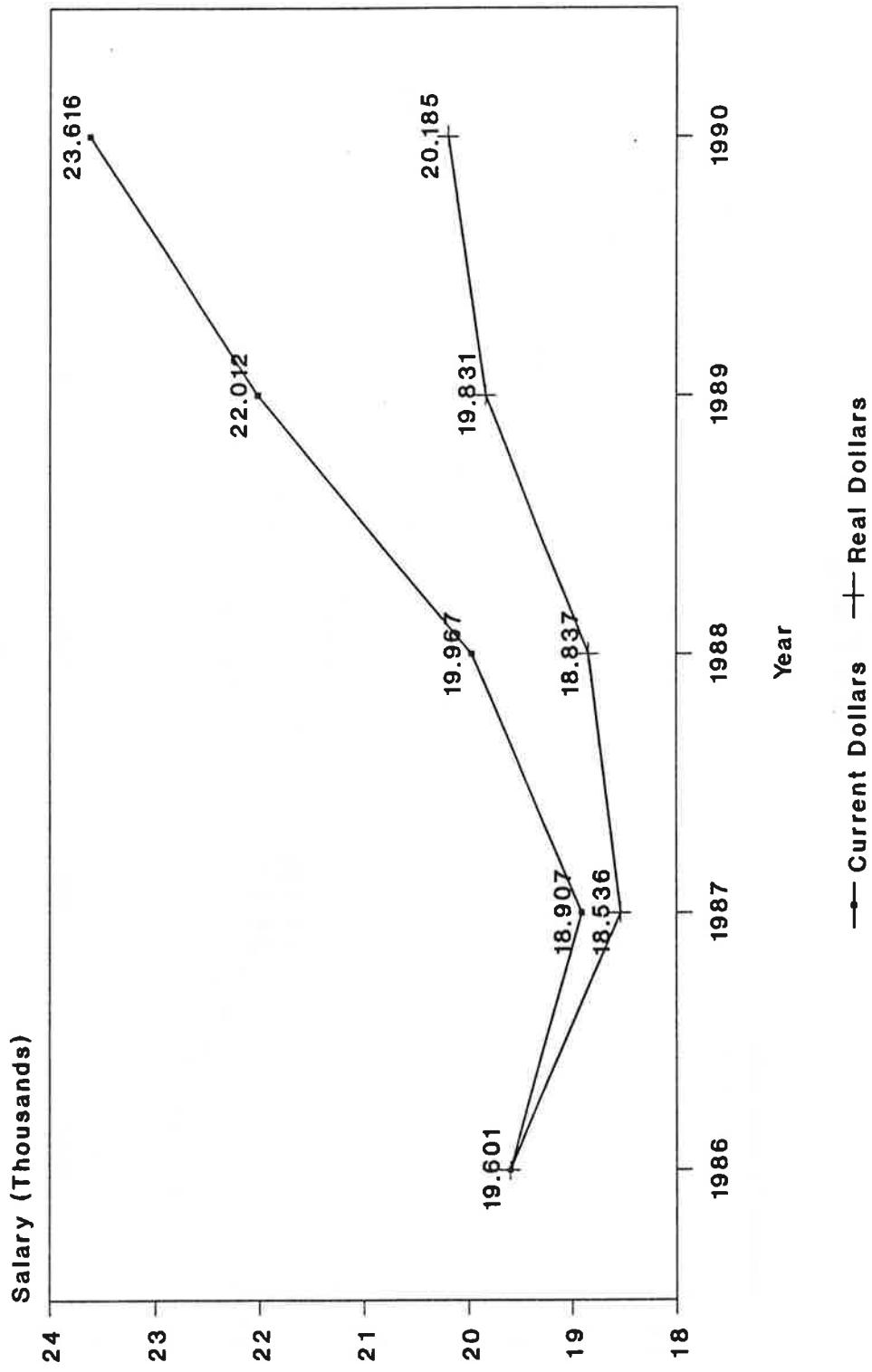
# Popular Undergraduate Majors

## Electrical Engineering



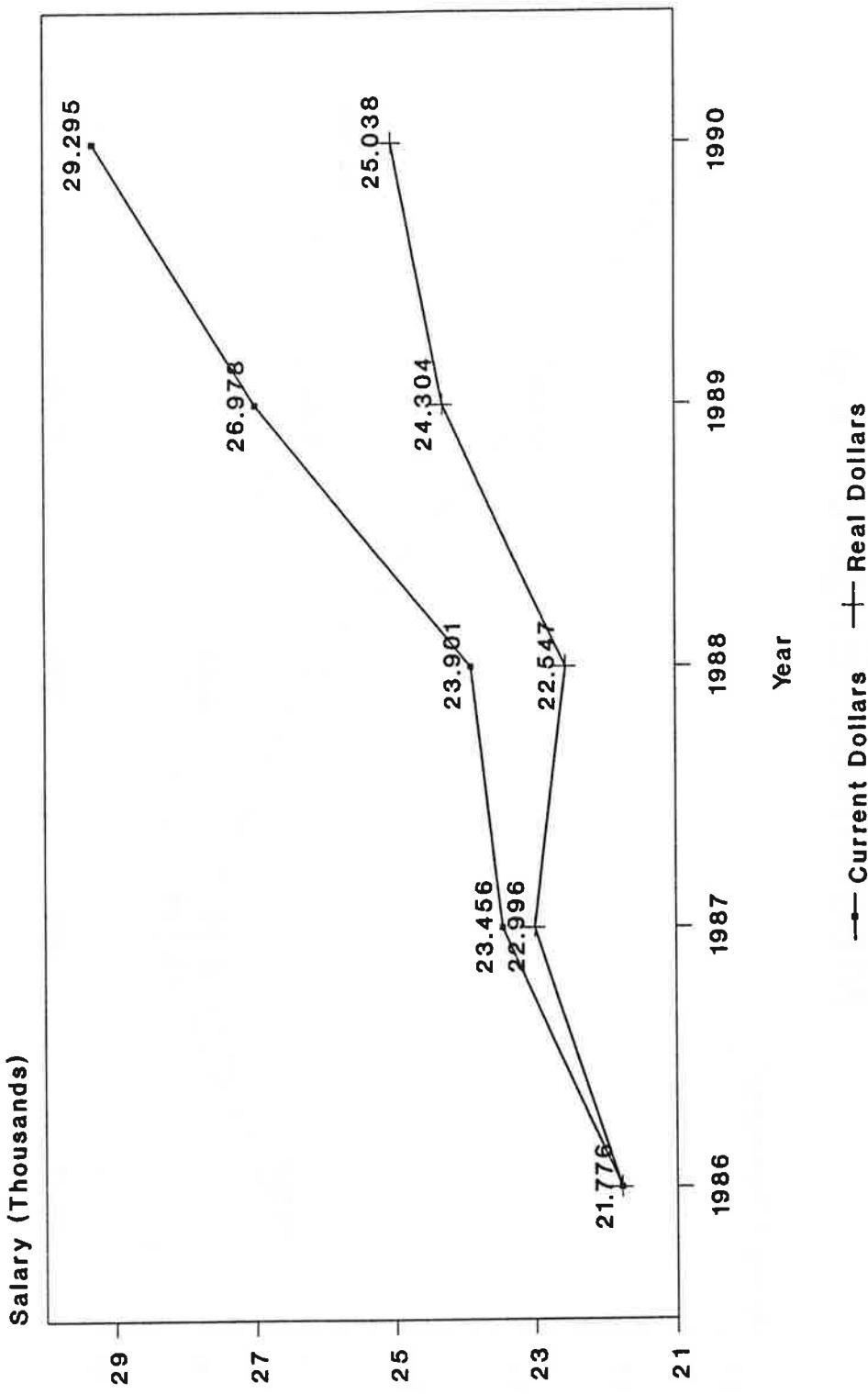
# Popular Undergraduate Majors

## Mechanical Engineering



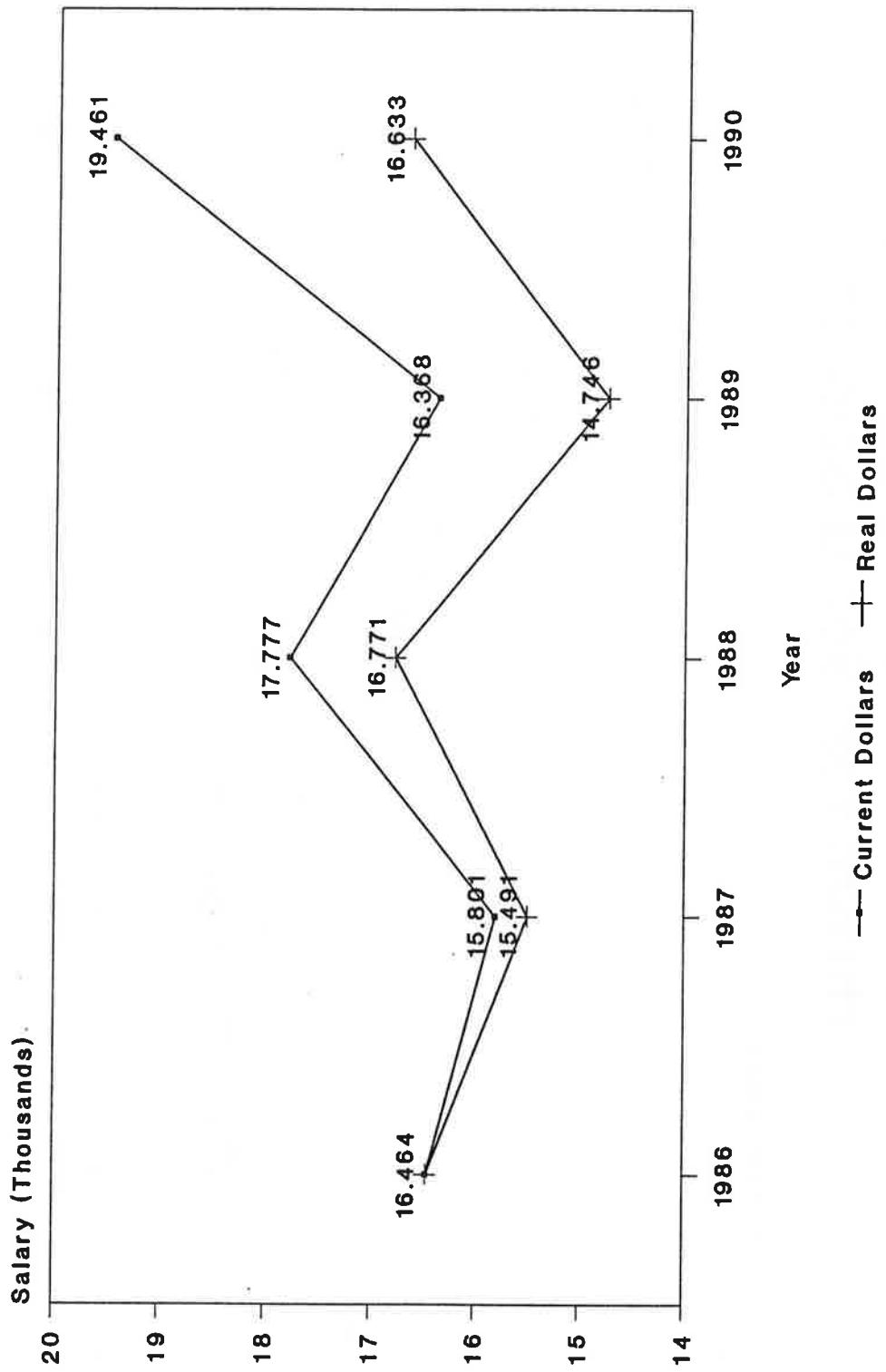
# Popular Undergraduate Majors

## Nursing

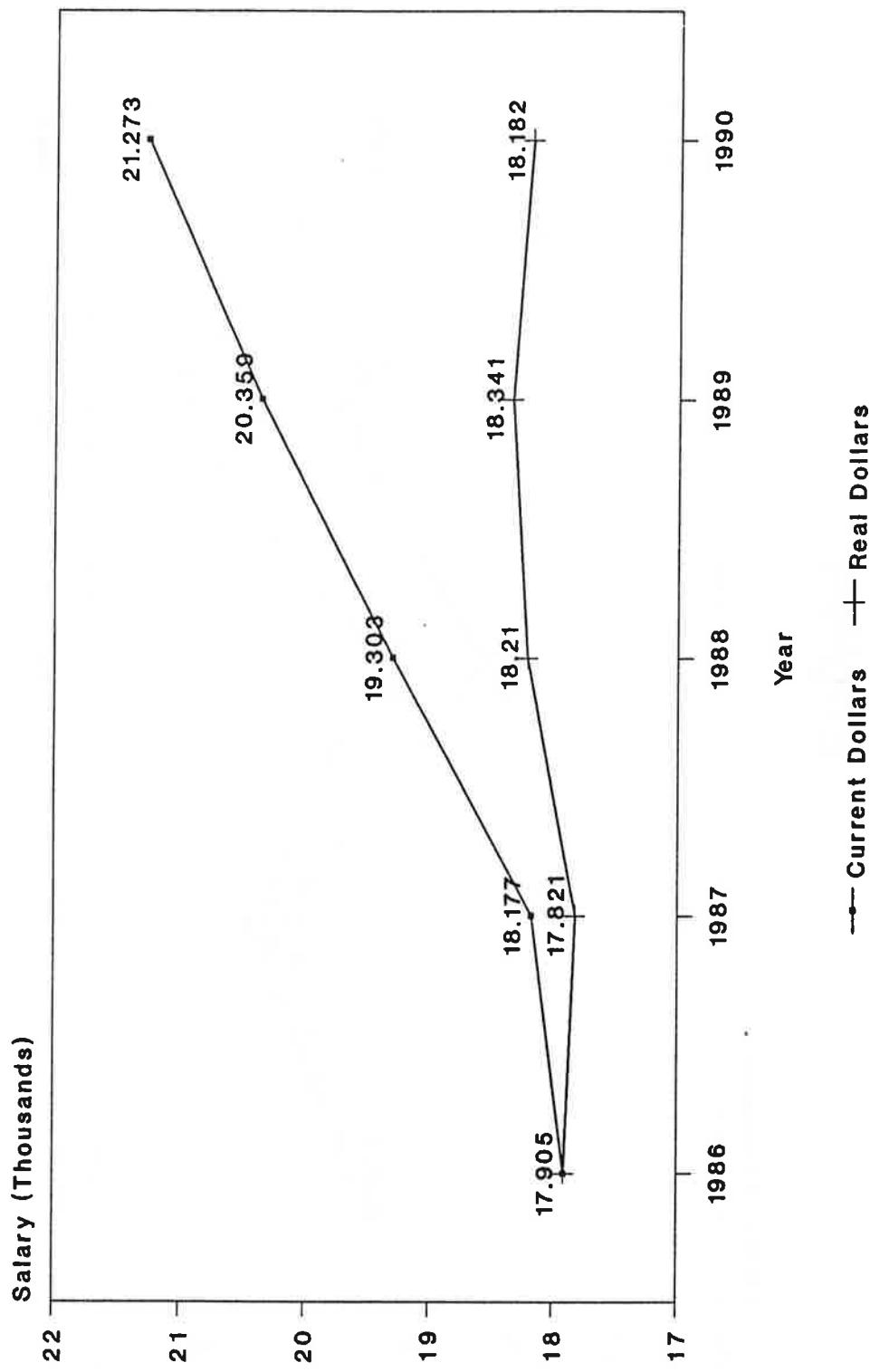


# Popular Undergraduate Majors

## English

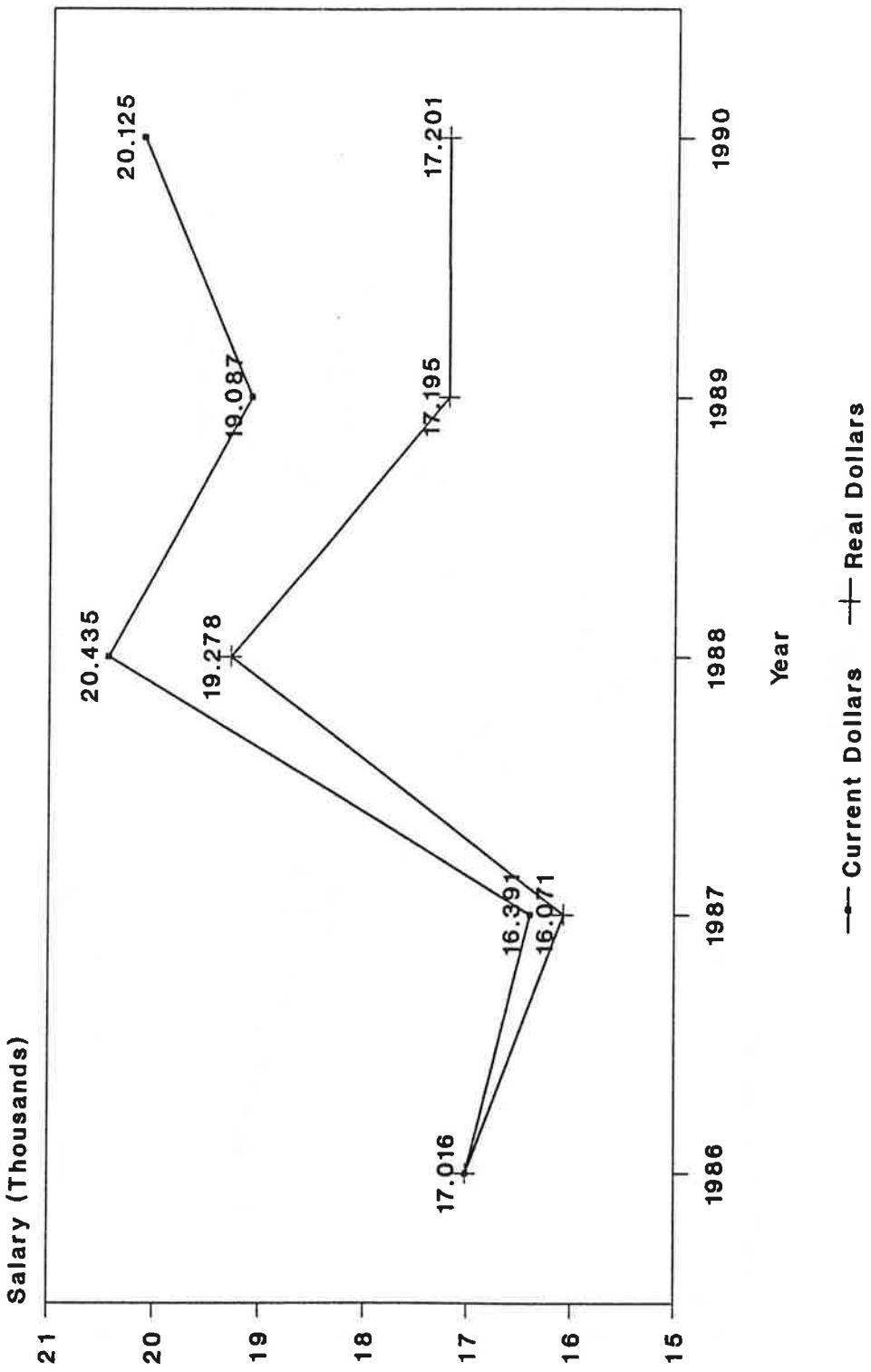


# Popular Undergraduate Majors Humanities/Social Science



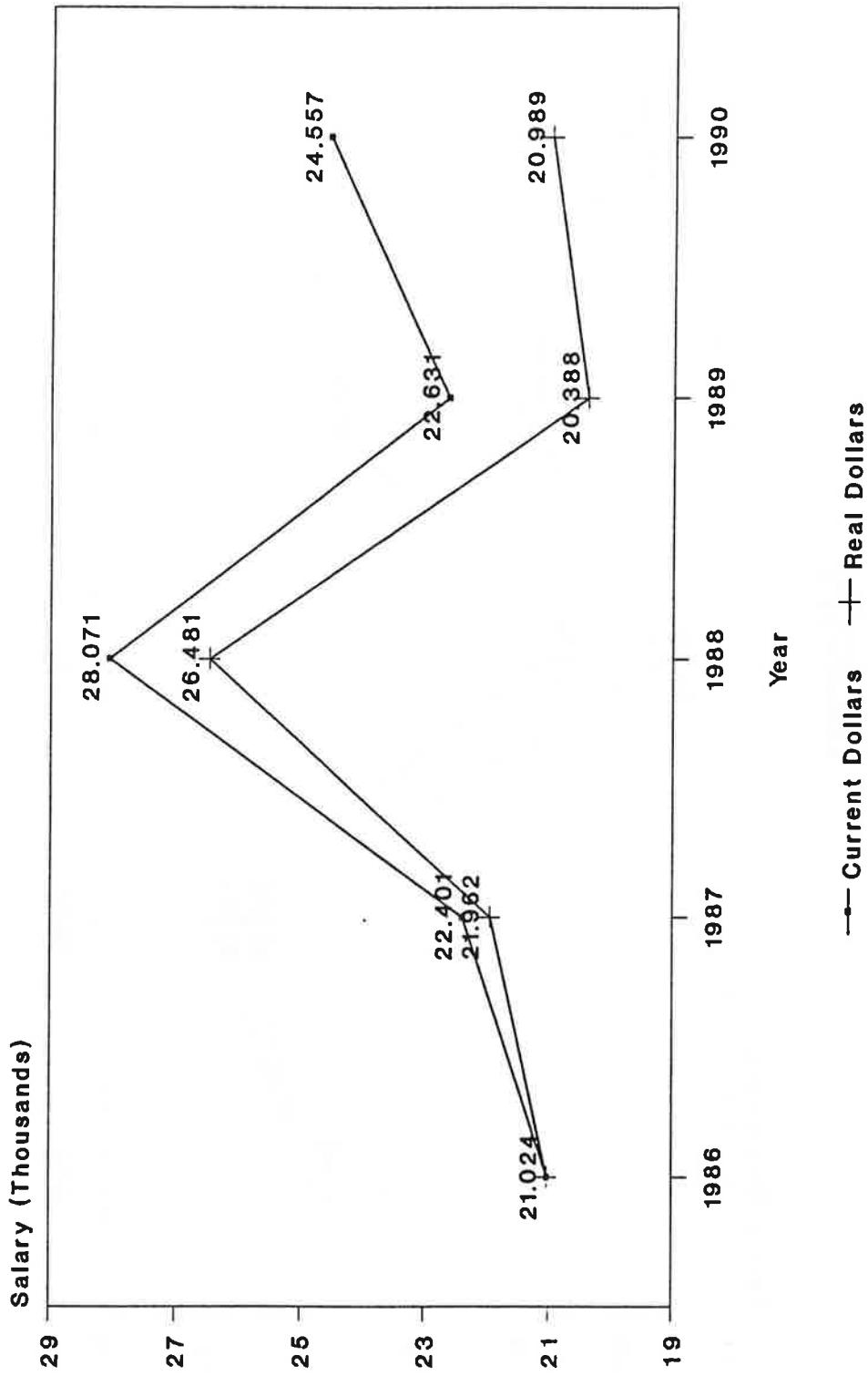
# Popular Undergraduate Majors

## Biology



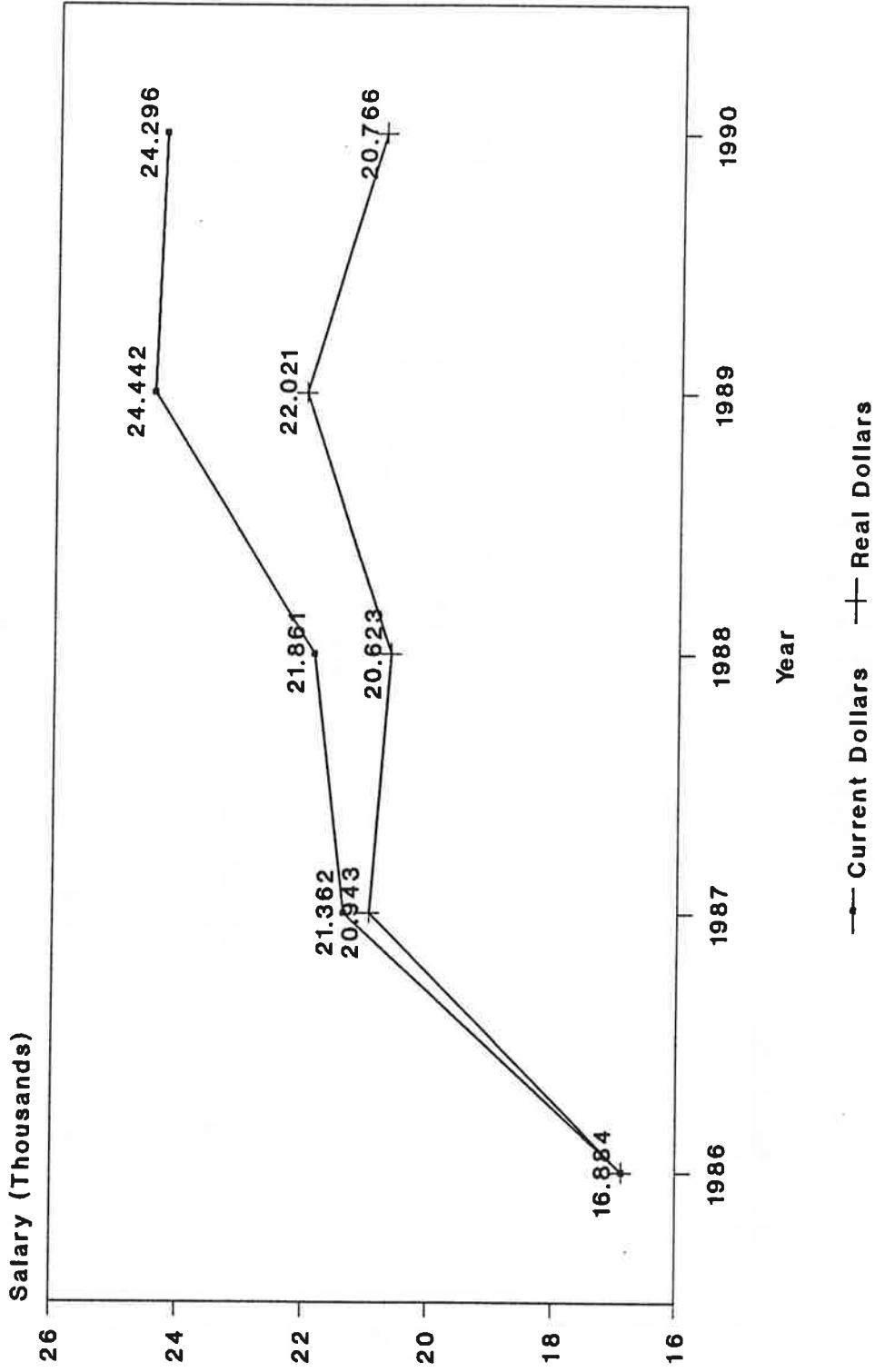
# Popular Undergraduate Majors

## Chemistry



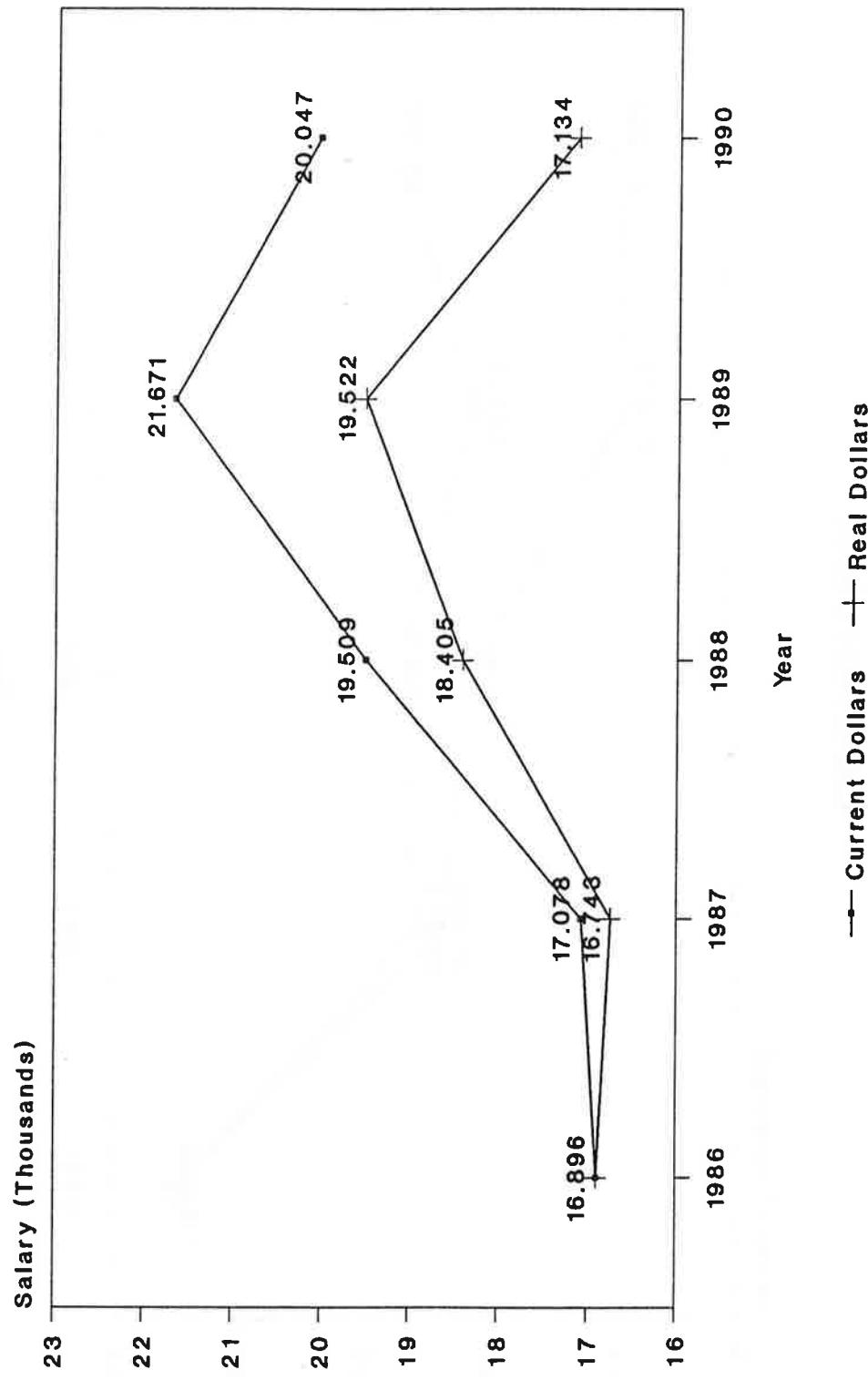
# Popular Undergraduate Majors

## Economics



# Popular Undergraduate Majors

## Political Science



# Popular Undergraduate Majors

## Social Work

