

DOCUMENT RESUME

ED 390 476

JC 960 055

AUTHOR Santa Rita, Emilio  
 TITLE Focus on Retention: Proposed Mission of General  
 Counseling into the 21st Century.  
 INSTITUTION Bronx Community Coll., NY. Dept. of Student  
 Development.  
 PUB DATE 95  
 NOTE 17p.  
 PUB TYPE Reports - Research/Technical (143)

EDRS PRICE MF01/PC01 Plus Postage.  
 DESCRIPTORS \*Academic Achievement; Academic Persistence;  
 Community Colleges; \*Counseling Services; Counselor  
 Role; Educational Environment; High Risk Students;  
 Program Improvement; School Counselors; \*School  
 Holding Power; \*Student Personnel Services; Student  
 Personnel Workers: Student Placement; \*Student School  
 Relationship; Two Year Colleges  
 IDENTIFIERS \*City University of New York Bronx Community Coll

ABSTRACT

Retention strategies at New York's Bronx Community College (BCC) aim to keep students enrolled long enough to realize their educational or occupational goals. Actual practices, however, can be categorized into distinct patterns which can provide a basis for planning the future mission of counseling. Some strategies are designed to sort the student body into meaningful subsets (e.g., students at risk, undecided students, or monolingual students), with possible new directions at BCC being the assessment of high- and moderate-risk students and students on probation or suspension waiver. Other strategies can be categorized as supporting in that they strive to ease students' problems with everyday life to help them maintain their status as students. Possible avenues for improvement related to supporting include psychological assessment, more study skills workshops, and more career and job placement workshops. Other strategies are aimed at helping students connect to the institution. BCC should consider the use of academic advising student mentors and computer literacy peer support programs to enhance these efforts. Finally, other strategies are aimed at transforming students from passive to active or failure threatened to achievement motivated students. New directions related to transformation strategies include a summer bridge program to offer classes between spring and fall requiring self-empowerment assignments in computer workshops. Contains 61 references. (TGI)

\*\*\*\*\*  
 \* Reproductions supplied by EDRS are the best that can be made \*  
 \* from the original document. \*  
 \*\*\*\*\*

ED 390 476

\*\*\*\*\*

FOCUS ON RETENTION: PROPOSED MISSION OF  
GENERAL COUNSELING INTO THE 21ST CENTURY

DR. EMILIO SANTA RITA

\*\*\*\*\*

U.S. DEPARTMENT OF EDUCATION  
Office of Educational Research and Improvement  
EDUCATIONAL RESOURCES INFORMATION  
CENTER (ERIC)

This document has been reproduced as  
received from the person or organization  
originating it.

Minor changes have been made to  
improve reproduction quality.

• Points of view or opinions stated in this  
document do not necessarily represent  
official OERI position or policy.

"PERMISSION TO REPRODUCE THIS  
MATERIAL HAS BEEN GRANTED BY  
E. Santa Rita

\_\_\_\_\_  
\_\_\_\_\_  
TO THE EDUCATIONAL RESOURCES  
INFORMATION CENTER (ERIC)

DEPARTMENT OF STUDENT DEVELOPMENT  
Bronx Community College  
City University of New York  
1995

BEST COPY AVAILABLE

960 055



## INTRODUCTION

All retention strategies aim to keep students at the community college long enough to realize their educational or occupational goals. However, there are distinctive patterns for reaching this goal. Retention strategies can be categorized according to whether their purposes are to (a) sort students into categories or groups, (b) connect students to the institution, (c) support students in meeting their living needs, or (d) transform students and/or the institution (Beatty-Guenter, 1994). It is proposed that the categories of sorting, supporting, connecting, and transforming represent patterns that synthesize general counseling's mission into the 21st century.

## I. SORTING

The retention strategies that fall under the heading of SORTING are those that attempt to divide the student body into meaningful subsets (students at risk, undecided students, monolingual students, etc.). Sorting strategies address the problem of attrition through the careful and accurate cleaving of students into the correct groupings. Following what might be considered a medical model, these strategies identify specific students in order to apply particular treatments. (Horton, 1980; Horvath, 1979; Lipetsky, 1991; Lum & Alfred, 1987; Lyons, 1991; Opp & Colby, 1986; Roueche & Baker, 1987; Yess, 1979).

---

### Current Practices

The current strategies employed by BCC's General Counseling Unit under this category involve:

- 1) Identification of student characteristics through CUNY placements in order to create strata that can be matched with appropriate and targeted retention techniques.
- 2) Program course planning and advisement by counselor for first-semester entering freshmen.
- 3) Monitoring student progress through academic-alert processes: absence for debarment warning, course drops for W grades, and mid-term grades to assess students' mid-semester performance.

---

### Suggested New Directions

#### 1. New Assessment Criteria

##### A) AT HIGHEST RISK:

ENG01, RDL01, MTH01

+ OCD 01 in BLOCK PROGRAMMING

ESL01, RDL05, LAN15, MTH01  
ESL02, RDL01

+ OCD 01 (bilingually-mixed class) in BLOCK PROGRAMMING using a textbook in English and Spanish + BLOCK PROGRAMMING.

The "mixed" class shall consist of pairs of Non-English and Non-Spanish students assisting each other in OCD lessons and assignments.

I. SORTING (Continued)

B) AT MODERATE RISK

ESL11 + OCD 11 using a "transitional" textbook in Spanish

ENG02, RDL02 + OCD 11

Counselors teaching OCD 11 shall be in liaison to various departments to form and forge EDUCATIONAL & OCCUPATIONAL communities (see Section V, p.8)

C) IN JEOPARDY

ON PROBATION/SUSPENSION WAIVER LTL10 + OCD 12

2. Program/course planning

Establish a student-mentors advising service located in an Academic Advising Center.

3. Early Warning/Academic Alert

S-O-S (Save-One-Student) Retention hotline :Absence-monitoring system through a daily telephone hook-up reaching out to students whose class absence(s) might indicate that the students were already experiencing some difficulty catching up with their classes.

D) THE HISPANIC STUDENT

The portrait of Hispanic student participation in community colleges remains bleak. This cohort's flow through what has come to be called the postsecondary pipeline continues to be marked by premature departure.

Research has shown that HAVING UNCLEAR GOALS AND WEAK COMMITMENTS TO ACHIEVE THEM appears to work against Hispanic student retention and ultimate graduation (Rendon & Nora, 1989).

The implication is that we need to PROVIDE ASSISTANCE AND INFORMATION FOR STUDENTS TO SET FIRM, CLEAR AND REALISTIC EDUCATIONAL AND OCCUPATIONAL GOALS AT AN EARLY ENROLLMENT POINT.

To this end, it is proposed that all ESL students take consecutively OCD 01 (for ESL 01 & ESL 02 students) and OCD 11 (when these same students shall have qualified for ESL 11) while using a "transitional" textbook in Spanish.

## II. SUPPORTING

Retention strategies of the Supporting type strive to ease students' problems with the aspects of everyday life, making it more likely that they will be able to maintain their status as students. The strength of the retention strategies in this category results from the attempt to address personal and environmental conditions of students' lives, and to bridge the potential conflicts between students' many roles. Students are thereby assisted in meeting the many demands made on them, and the college, which might otherwise compound students' problems, becomes part of the solution (Claus, 1986; Coffey, 1976; Ramist, 1981; Walleri, 1981).

---

### Current Practices

The current strategies employed by BCC's General Counseling Unit under this category involve:

1. Child care
2. College Health & Wellness programs
3. Financial aid
4. OCD Workshops

---

### Suggested New Directions

1. Administration of RMS should take place during times allotted to OCD Workshops
2. COPS and Myers-Brigg should also be administered during times allotted to OCD Workshops.
3. A PSYCHOLOGICAL ASSESSMENT CENTER should be established so that students can follow up, on an on-going basis, the results of the RMS Inventory, the COPS, and the Myers-Brigg.
4. More Study skills and Study Habits workshops should be offered in the OCD workshops.
5. More career and job placement-centered topics should be offered in the OCD workshops.
7. Instead of inviting outside experts, we should be utilizing the expertise of our OWN ACADEMIC COLLEAGUES AT BCC to co-lead the OCD workshops.
8. The LEARNING CENTER should be a vital part of our OCD course offerings and assignments. The Center can offer us the multimedia materials we need to improve our teaching techniques.

### III. CONNECTING STUDENTS

Retention strategies that fall under the heading of connecting are those that foster bonding between a student and BCC. Creating attachments between students provide motivation to students to remain enrolled at the college. Connecting strategies create the opportunities for a student to become linked with the college community, and to feel membership in that community (Astin, 1984, 1985; Cox, 1980; Drew, 1990; Flannery, 1973; Friedlander, 1989; Garni, 1980; Lenning, Sauer, & Beal, 1980); MacGregor, 1991; MacMillan, 1980; McCartan, 1988; Pascarella, Smart, & Ethington, 1986; Schlossberg, Lynch, & Chickering, 1989; Stevenson, 1979; Tinto, 1975, 1985; Titley, 1985).

---

#### Current Practices

The current strategies employed by BCC's General Counseling Unit under this category involve:

1. Faculty/student "events"
2. Orientation to college at Registration time/Convocation
3. Student activities, student groups
4. Work study for students assigned to work in the college
5. Peer-tutoring programs offered at the PASS Center

---

#### Suggested New directions

1. Academic Advising Student Mentors (Honors students) system should be established to support the academic faculty's advising efforts (See Section I, p.3).
2. Bilingual Conversations (between Non-English Speaking & Non-Spanish Speaking students who will cross-tutor each other in English/Spanish), in a one-to-one pairing system over course assignments, are long overdue.
3. Computer Literacy Peer Support programs will give the students a chance to learn from their computer-literate classmates on how to complete their Computer-Assisted Workbook assignments (English and Spanish) in all the OCD 01 and OCD 11 courses.
4. The PASS CENTER has distinguished itself in the training and development of paraprofessional (e.g. tutoring) personnel. Therefore, all these "training" programs should be under the direction of the PASS Center. The PASS Center should also relocate to the fourth floor of Loew Hall.

#### IV. TRANSFORMING STUDENTS

These retention strategies attempt to transform students from uncommitted to committed, from uninvolved to involved, from passive to active, or from failure threatened to achievement motivated. These techniques seek to help students develop the skills that will make them more likely to succeed. The strength of the retention strategies in this category derives from the direct attempt to change some significant aspect of students' academic lives. To the extent that programs can succeed in transforming a failure-threatened student into a confident student, a poor student into a good student, and an undecided student into a committed student, this is a powerful approach to the question of retention (Cross, 1971; Fidler, 1988; Green & Stark, 1986; Jones, 1979; Nelson, 1967; Reimanis, 1973; Richardson, Simmons, & de los Santos, 1987; Solver, 1978; Smith & Bernstein, 1979; Stodt, 1987; Turnbull, 1986; Woodruff, 1987).

---

#### Current Practices

The current strategies employed by BCC's General Counseling Unit under this category involve:

1. Group counseling in OCD 01, OCD 11 and OCD 12
2. Group discussion in OCD Workshops
3. Scheduled session of student with counselor to discuss RMS
4. Scheduled session of student with counselor for Early Registration advisement

---

#### Suggested New Directions

1. Summer Bridge Program with its proven efficacy in "transforming" students into achievement-motivated persons should now be part of our academic year. The academic year should now be segmented into the (a) Fall semester; (b) Spring intersession; (c) Spring semester; and, (d) Summer session.
2. Contribute to the Computer-literacy of students and increased Locus of Control (Self-Empowerment) by requiring ALL OCD 01 and OCD11 students to complete their Computer-Assisted Workbook assignments (See Section III, p.5).



## V. TRANSFORMING THE GENERAL COUNSELING UNIT

The General Counseling Unit will seek to transform itself into a facilitator of higher education - with emphasis on the communal nature of institutional life. Although it is true that many faculty members work across departments on an informal basis, generally the academic or counseling unit is the basic division in the college. Separation into units leads to competition for resources and to an individualistic rather than a community orientation. Worse, as currently structured, academic and counseling units are entrenched in isolation. This calls for "building community" in college which seek changes in terms of the demise of the Industrial Age, the beginning of the Information Age, and the birth of the "global village." (Cohen, 1988; Farmer, 1980; Heard, 1988; Jones, 1986; Matthews, 1986; Mayo, 1979; Moore, 1974; Rasor, 1980; Rendon & Nora, 1989; Tinto, 1987; Vail, 1966).

---

### Current practices

The current strategies employed by BCC's General Counseling Unit under this category involve:

1. Block programs for ESL students
2. Coordinated Freshman Initiative Program
3. Counseling Faculty Development Program

---

### Suggested New directions

#### A. Transforming counselor thinking on teaching and learning:

1. A rigorous teaching development program should be established for adjuncts who teach OCD 01, a training similar to Fordham's Mentoring Program. The Fordham model calls for (a) weekly two-hour session in learning instructional methodology and administrative responsibilities; and (b) eight supervisory visits a semester.
2. Tenured and non-tenured counseling faculty who wish to teach either OCD 01, OCD 11 or OCD 12 should enroll in a mentoring program of
  - (a) pairing within the department to learn methodology and
  - (b) of visiting a partner's classroom in reciprocal classroom observation and supervision.

## V. TRANSFORMING THE GENERAL COUNSELING UNIT (Continued)

- (b) or, of pairing across departments to learn methodology and (b) of visiting a colleague's classroom in reciprocal classroom observation and supervision that would result in better understanding of each other's academic areas. Rather than working in isolation, a counseling instructor and a learning skills specialist, for example, will be able to collaboratively approach a common instructional problem and address it through jointly developed materials and methods.
- 4 Tenured or non-tenured counseling faculty who do not wish to or cannot teach OCD courses should be assigned to (a) staff the Psychological Assessment Center (See Section II, p.4); to (b) sign the W drop forms of students on probation; and, to (c) conduct Probation Workshops.
- 5 An on-going "Curriculum" committee should be established to monitor OCD course offerings and to institute quality control mechanisms via the constant review of the syllabi, the mid-term examinations and final examinations.
- 6 General Counseling should decide on ONE PRIMARY textbook(s) for its OCD course-offerings that reflect best its retention efforts. There will be other textbook references to supplement the primary textbook(s).

### B. Empowering Counselors and their Self-Esteem

1. Bring counselors into the staff-building process. "How do we replenish ourselves in adjunct positions?" "Do we rehire people like ourselves or do we venture forth to enrich ourselves with people with different ideas, different points of view, different cultural backgrounds?"
2. Ensure that more counselors participate in decision-making process. To that end, P & B members' tenure should be limited to two years and incumbents shall not run again until after two years. This will rejuvenate the department's policy-making process.
3. Counselors should play an active role in liaison to various departments of the college to form and forge an EDUCATIONAL & OCCUPATIONAL community. He or she should be (a) the expert in advisement and the training of student advisors for his or her respective learning community, (b) act as an occupational consultant in linking curricula with occupational trends and placements, and (c) be the immediate and primary resource person to consult with for psychological counseling and classroom management problems.

## V. TRANSFORMING THE GENERAL COUNSELING UNIT (Continued)

4. The PSYCHOLOGICAL team should be re-instituted. The team members should be available to academic faculty for consultation on a 9 am to 8 pm weekday schedule.
- 

### CONCLUSION

Effective retention programs must involve strategies of sorting, supporting, connecting, and transforming in order to be truly effective. A lop-sided program that concentrates activities in only one category will fail to provide the range of techniques to address the range of student problems that contribute to attrition. Rather, to be truly comprehensive, each category should be represented in the strategies encompassed by the general counseling units' retention program into the 21st century.

## REFERENCES

- Astin, A. W. (1984, July). Student involvement: A developmental theory for higher education. Journal of College Student Personnel, 25, 297-307.
- Astin, A. W. (1985). Achieving educational excellence. San Francisco: Jossey-Bass.
- Atondo, A., Chavez, M., & Regua, R. (1986). A study of the Puente Project: 1983-1986. San Jose, CA: Evergreen Valley College. (ERIC Document Reproduction Service No. ED 278 448).
- Beatty-Guenther, P. (1994). Sorting, Supporting, Connecting, and Transforming: Retention Strategies at Community Colleges. Community College Journal of Research and Practice, 18, 113-129.
- Claus, J. F. (1986). Adult students in community college: Learning to manage the learning process. San Francisco, CA: American Educational Research Association. (ERIC Document Reproduction Service No. ED 269 113).
- Coffey, D. J. (1976). Attrition /retention study, Central YMCA Community College. Chicago: Coffey Associates. (ERIC Document Reproduction Service No. ED 125 674).
- Cohen, A. M. (1988). Trends and issues in community colleges: 1988. Minority student transfer. Washington, DC: Office of Educational Research and Improvement. (ERIC Document Reproduction Service No. ED 293 588).
- Cox, T. C. (1980, March). Creative marketing for the 80's. Annual conference of the Association of California Community College Administrators, Monterey, CA. (ERIC Document Reproduction Service No. ED 184 646).
- Cross, K. P. (1971). Beyond the open door. San Francisco: Jossey-Bass.
- Dallas, G. E. (1971). Attrition prevention through counseling among community college students: NORCAL Phase III. Napa College, CA: Northern California Cooperative Research Project. (ERIC Document Reproduction Service No. ED 075 012).
- Drew, C.P. (1990). We can longer love'em and leave'em: A paper on freshmen retention. Community College Review, 17(4), 54-60.
- Duncan, R. (1985). Four models for increasing student retention at the Community College at Denver. Denver, CO: Denver Community College. (ERIC Document Reproduction Service No. ED 269 106).
- Farmer, J.E. (1980). A practitioner's guide to student retention: A college-wide responsibility. Tallahassee, FL: Florida State Department of Education.

- Fidler, P. (1988). Research Summary - University 101. Columbia: SC: University of South Carolina Press.
- Flannery, J. (1973)). Final report from the ad hoc committee to study attrition at Miami-Dade Community College, North Campus. Miami, FL: Miami-Dade Junior College. (ERIC Document Reproduction Service No. ED 085 052).
- Friedlander, J. (1989). Evaluation of Santa Barbara City College's Matriculation Program (1983-1988). Santa Barbara City College. (ERIC Document Reproduction Service No. ED 314 320).
- Garni, F. (1980). Counseling centers and student retention: Why the failures? Where the successes? Journal of College Student Personnel 21(3), 223-228.
- Green, P. J. & Stark, J. (1986). Approaches to research on the improvement of postsecondary teaching and learning. Ann Arbor, MI: NCRIPAL.
- Heard, F. B. (1988). The development of a retention plan to mitigate low environment at Shelby State Community College. Fort Lauderdale, FL: Unpublished practicum, Nova University. (ERIC Document Reproduction Service No. ED 296 751).
- Hellmich, D. M. (1989). Student retention with targeted English courses of Santa Fe Community College. Unpublished graduate seminar paper, University of Florida, Gainesville. (ERIC Document Reproduction Service No. ED 308 908).
- Horton, J. (1980). An integrative model for retention strategies. Washington, DC: American Association of Community and Junior Colleges. (ERIC Document Reproduction Service No. ED 203 943).
- Horvath, R. J. (1979). JCC recruitment, retention, attrition project. Louisville, KY: Jefferson Community College. (ERIC Document Reproduction Service No. ED 167 234).
- Hossler, D. (1984). Enrollment management: An integrated approach. New York: The College Board.
- Jones, A. P., Jr. (1979). Providing for the unprepared college student. (ERIC Document Reproduction Service No. ED 181 945).
- Jones, S. W. (1986). No magic required: Reducing freshman attrition at the community college. Community College Review, 14(2), 14-18.
- Lenning, O. T., Sauer, K. & Beal, P. E. (1980). Student retention strategies. Washington, DC: George Washington University, ERIC Clearinghouse on Higher Education.

- Lipetzky, P. (1991, May). Measuring the effects of student involvement in community colleges. Paper presented at the annual forum of the Association for Institutional Research, San Francisco, CA.
- Lopez, M., Yanez, M., Clayton, E. R., & Thompson, D. A. (1988). Intrusive advising with special student populations. NASPA Journal, 25(3), 195-201.
- Lum, G., & Alfred, R. L. (1987, February). Remedial program policies, student demographic characteristics and performance outcomes in community colleges. Paper presented at the ASHE annual meeting, San Diego, CA. (ERIC Document Reproduction Service No. ED 281 452).
- Lyons, L. (1991, May). The integration of qualitative and quantitative research in a longitudinal retention study. Paper presented at the annual forum of the Association for Institutional Research, San Francisco, CA.
- MacGregor, J. (1991). What difference do learning communities make? Washington Center News, 6(1), 4-9. (Available from Washington Center for Improving the Quality of Undergraduate Education)
- MacMillan, T. F. (1980). On improving student retention: Reflections on the NORCAL Project following a decade of change. Monterey, CA: Research and Development Conference of the California Community and Junior College Association. (ERIC Document Reproduction Service No. ED 187 373).
- Matthews, R. (1986). Learning communities in the community college. Community, Technical and Junior College Journal, 57(2), 44-47.
- Mayo, D. S. (1979). Overview of the dialog: Community colleges face the need for change. Chabot College Journal 3(3), 4-10. (ERIC Document Reproduction Service No. ED 181 949).
- McCartan, I. (1988). Helping students learn. New Directions for Community Colleges, 16(3), 51-60.
- Meznek, J., McGrath, P., & Garcia, F. (1989, July). The Puente Project. Paper presented to the Board of Governors, Sacramento, CA.
- Moore, E. M. (1974). Student attrition in the open-door community college: A working hypothesis. Dallas, TX: Community College Social Science Association. (ERIC Document Reproduction Service No. ED 104 464).
- Nelson, M. O. (1967). Individual psychology as a basis for the counseling of low achieving students. Washington, DC: American Personal and Guidance Association. (ERIC Document Reproduction Service, No. ED 018 189).



- Opp, R., & Colby, A. (1986). Improving student retention in community colleges. Washington, DC: Office of Educational Research and Improvement. (ERIC Document Reproduction Service, No. ED 276 493).
- Pascarella, E. T., Smart, J. C., & Ethington, C. (1986). Long term persistence of two-year college students. Research in Higher Education, 24(1), 47-71.
- Ramist, L. (1981). College student attrition and retention. College Board Report 81-1: New York: College Entrance Examination Board.
- Rasor, R. A. (1980). Why students drop classes and withdraw from American River College. Sacramento, CA: American River College. (ERIC Document Reproduction Service, No. ED 184 654).
- Reimanis, G. (1973). Student attrition and program effectiveness. Paper presented at the annual meeting of the Association for Institutional Research, Vancouver, British Columbia, Canada. (ERIC Document Reproduction Service, No. ED 132 988).
- Rendon, L. I. & Nora, A. (1989). A synthesis and application of research on Hispanic students in community colleges. Community College Review, 17(1), 17-24.
- Report of the Commission on the Future of Community Colleges. (1988). Building communities: A vision for a new century. Washington, DC: American Association of Community and Junior Colleges.
- Richardson, H. B. (1987). Bronx Community College and the student mentor program for at risk high school students. Community Review, 1(3), 33-37.
- Richardson, R. C., Simmons, H., & de los Santos, A. G. (1987). Graduating minority students. Change (May/June), 20-27.
- Roueche, J., & Baker, G. (1987). Access and excellence. Washington, DC: Community College Press.
- Schlossberg, N., Lynch, A., & Chickering, A. (1989). Improving higher education environments for adults. San Francisco: Jossey-Bass.
- Silver, J. H. (1978). The effect of a self-development seminar on freshman learning as measured by grade point average units completed and retention rate. Fort Luaderdale, FL: Unpublished practicum, Nova University. (ERIC Document Reproduction Service, No. ED 152 357).
- Smith, V. B., & Bernstein, A. R. (1979). The impersonal campus. San Francisco: Jossey-Bass.

- Stevenson, J. A. (1979). Materially disadvantaged students and the transfer function of community college. (ERIC Document Reproduction Service, No. ED 172 882).
- Stodt, M. M. (1987). Intentional student development and retention. Increasing retention: Academic and student affairs administrators in partnership. New Directions for Higher Education, 60, 15-26.
- Tinto, V. (1975). Dropouts from higher education: A theoretical synthesis of recent research. Review of Educational Research, 45(1), 89-125.
- Tinto, V. (1985). Dropping out and other forms of withdrawal from college. In L. Noel, R. Levitz, & D. Saluri (Eds.). Increasing student retention (pp. 28-43). San Francisco: Jossey-Bass.
- Titley, B. S. (1985). Orientation programs. In L. Noel, R. Levitz, & D. Saluri (Eds.), Increasing student retention: Effective programs and practices for reducing the dropout rate (pp. 221-242). San Francisco: Jossey-Bass.
- Turnbull, W. W. (1986). Involvement: The key to retention. Journal of Developmental Education, 10(2), 6-11.
- Vail, E. (1966). Retention of students over a three year period. Riverside, CA: Riverside City College. (ERIC Document Reproduction Service No. ED 014 286).
- Walleri, R. D. (1981). Student retention and attrition in the community college: A review and research design. Gresham, OR: Mount Hood Community College.
- Woodruff, T. (1987). The academic intervention program. Increasing retention: Academic and student affairs administrators in partnership. New Directions for Higher Education, 60, 49-53.
- Yess, J. P. (1979). Community college students can never drop out. Community College Review, 7(2), 56-59.



### SUMMARY

A typology of student retention programs at community colleges is used as a framework of reference in developing new directions of reducing attrition. The four types of retention strategies are: (a) SORTING (of students into homogeneous subgroups), (b) SUPPORTING (of students in dealing with life's problems or responsibilities, (c) CONNECTING (of students to each other and the institution), and (d) TRANSFORMING (of students and/or the community college. Using these categories, a vision of a comprehensive retention program for the 21st century is proffered.