

**CHABOT COLLEGE**  
*Office of Institutional Research*  
**Institutional Research Presentation to IPBC**  
**Background Data for Strategic Planning**  
**October 2008**

**1. The Big (Statewide) Picture**

**Population**

- Growth in population, especially immigrants, Latinos and Asians
- Growth in percentage of Latinos -> 40% by 2020 and 50% by 2040
- Growth in older citizens (baby boomers) who plan to work when retired

**Educational Level and College preparation**

- Latinos currently have lowest education/income levels
- Raising education levels necessary to make living wages and sustain the state economy
- Over half of new CCC students need basic skills math and English

**2. The Local Picture: East Bay and Chabot echo state trends**

**Population, Educational Level, College Preparation**

- Growth in population, Latinos and Asians, Pct Latino, immigrants, and older ages
- Chabot area residents have lower income and lower education than county overall
- More than half of Chabot students are low income, 40% are first generation in college
- Almost all new Chabot students (92%) need basic skills math or English

**Workforce and Economy and Technology**

- Bay area is a diversified economy; predicted growth in jobs between now and 2015.
- Of new jobs: Half need HS or less; 15% need Voc Cert or AA; 39% need BA or higher.
- New & emerging jobs – see if Biotech/Nanotech/Energy provide high-paying jobs

**3. At Chabot: how are we doing on this Chabot Master Plan Theme?**

”Continue to improve the institution’s response to students through programs that support student access, development, equity, and success”

**Student access, success and equity: where we are and aren’t making progress**

- Percentage Latino (from 19% in 2000 to 24% in 2008)
- Success in basic skills and persistence compared to peer colleges in state
- Basic skills success rates: trends in English and Math courses
- Success and persistence from English basic skills to College English, by ethnicity
- Success and persistence from Math basic skills to College Math, by ethnicity
- Degrees and certificates, by ethnicity
- Transfer to UC, CSU, and private colleges
- Becoming transfer-directed and transfer-ready, by ethnicity

Chabot graduates entering workforce, in new careers or as upgrades

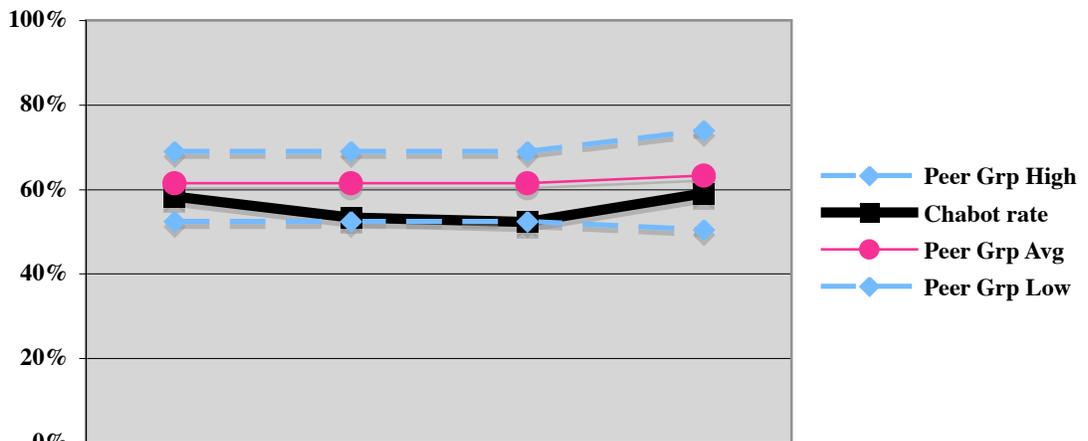
**Student development/support services**

- Persistence of students w/ Orientation, Assessment, Counseling, EOPS

**Educational programs**

- Growth of Distance Education
- Chabot workforce programs: where they do and don’t match projected workforce needs

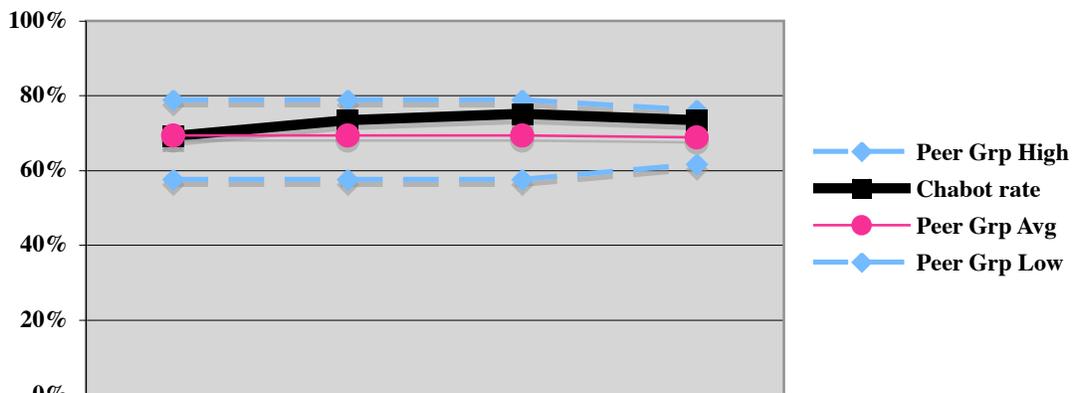
### Chabot College ARCC 2008 Report Basic Skills Course Success rate



|               | 2003-2004 | 2004-2005 | 2005-2006 | 2006-2007 |
|---------------|-----------|-----------|-----------|-----------|
| Peer Grp High | 69%       | 69%       | 69%       | 74%       |
| Chabot rate   | 58%       | 53%       | 52%       | 59%       |
| Peer Grp Avg  | 61%       | 61%       | 61%       | 63%       |
| Peer Grp Low  | 52%       | 52%       | 52%       | 51%       |

Cohort years

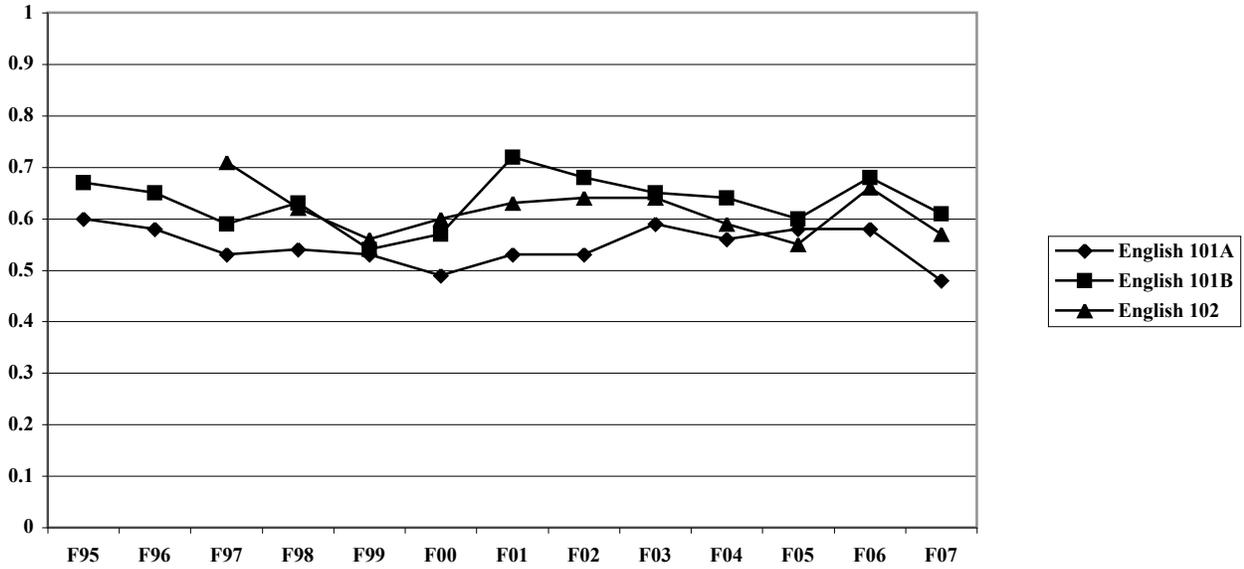
### Chabot College ARCC 2008 Report Fall to Fall persistence rate of new students



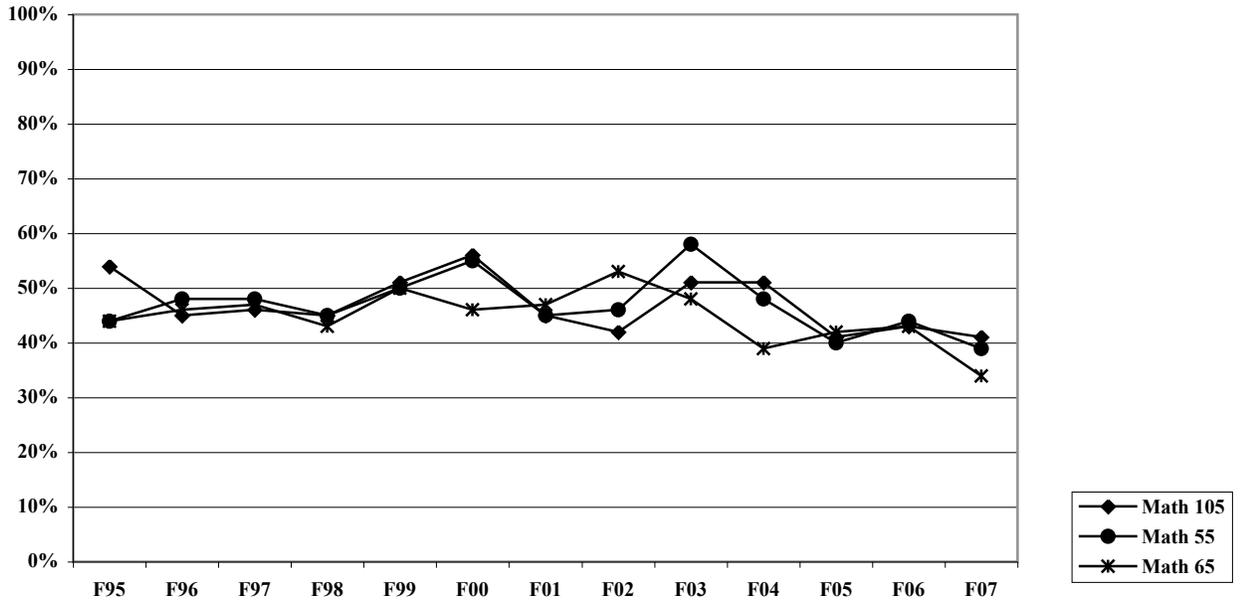
|               | Fall 2002-Fall 2003 | Fall 2003-Fall 2004 | Fall 2004-Fall 2005 | Fall 2005-Fall 2006 |
|---------------|---------------------|---------------------|---------------------|---------------------|
| Peer Grp High | 79%                 | 79%                 | 79%                 | 76%                 |
| Chabot rate   | 69%                 | 74%                 | 75%                 | 74%                 |
| Peer Grp Avg  | 69%                 | 69%                 | 69%                 | 69%                 |
| Peer Grp Low  | 58%                 | 58%                 | 58%                 | 62%                 |

Cohort years

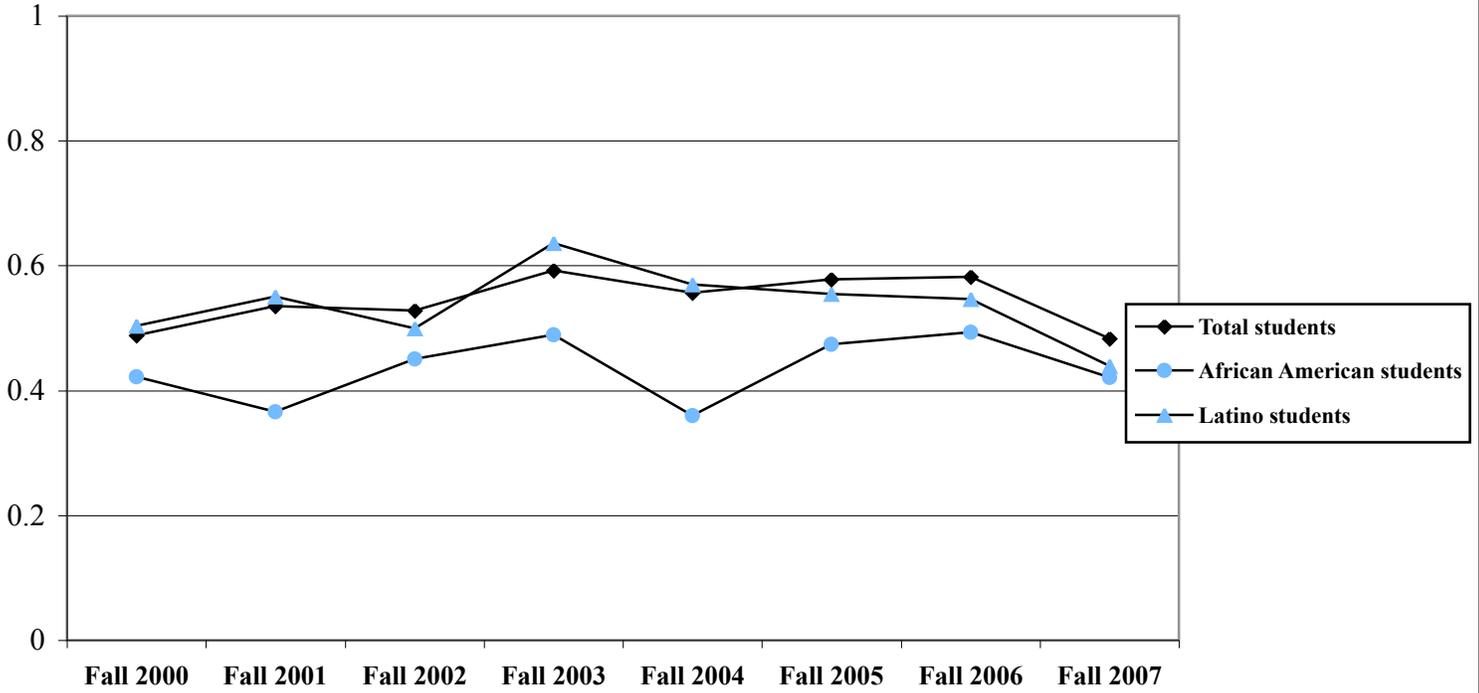
**Chabot College**  
**English Basic Skills Courses (English 101A, 101B, 102)**  
**Success Rates by Course**  
**Fall 1995 to Fall 2007**



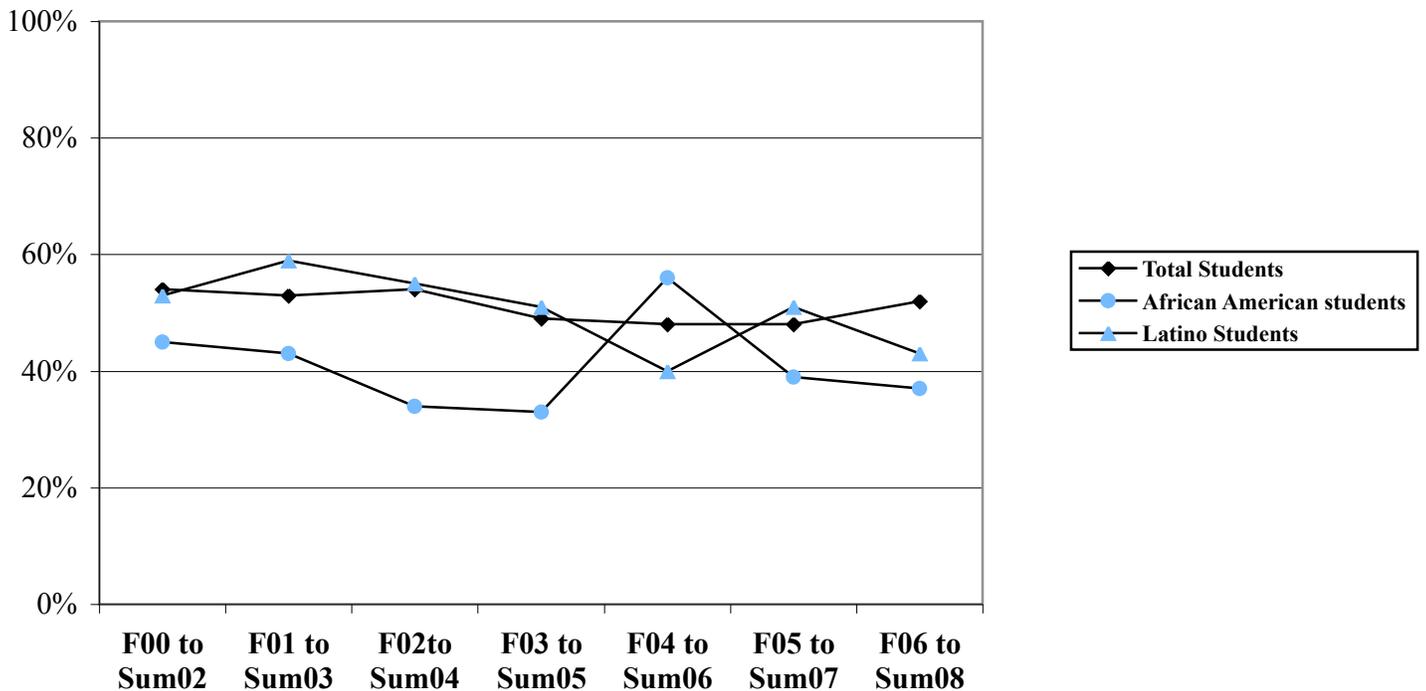
**Chabot College**  
**Math Basic Skills Courses (Math 105, 65, 55)**  
**Success Rates**  
**Fall 1995 to Fall 2007**



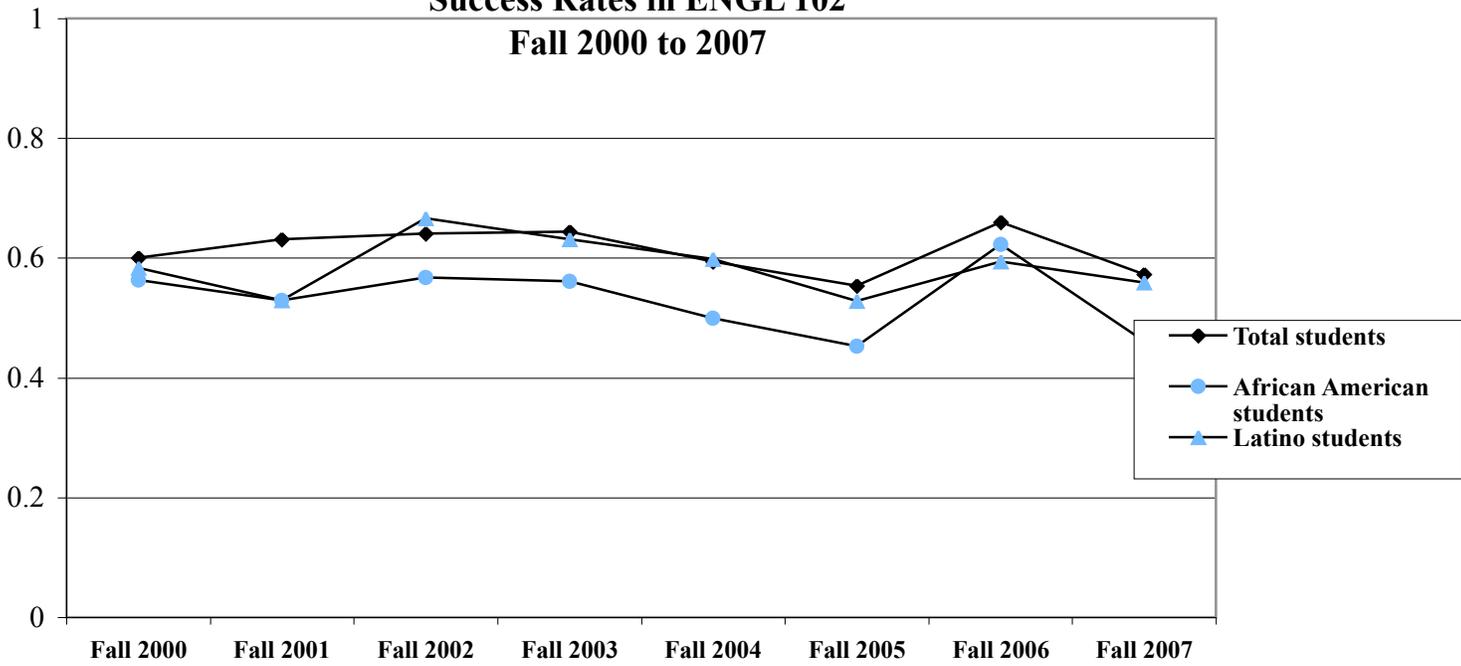
**Chabot College  
Success Rates in ENGL 101A  
Fall 2000 to Fall 2007**



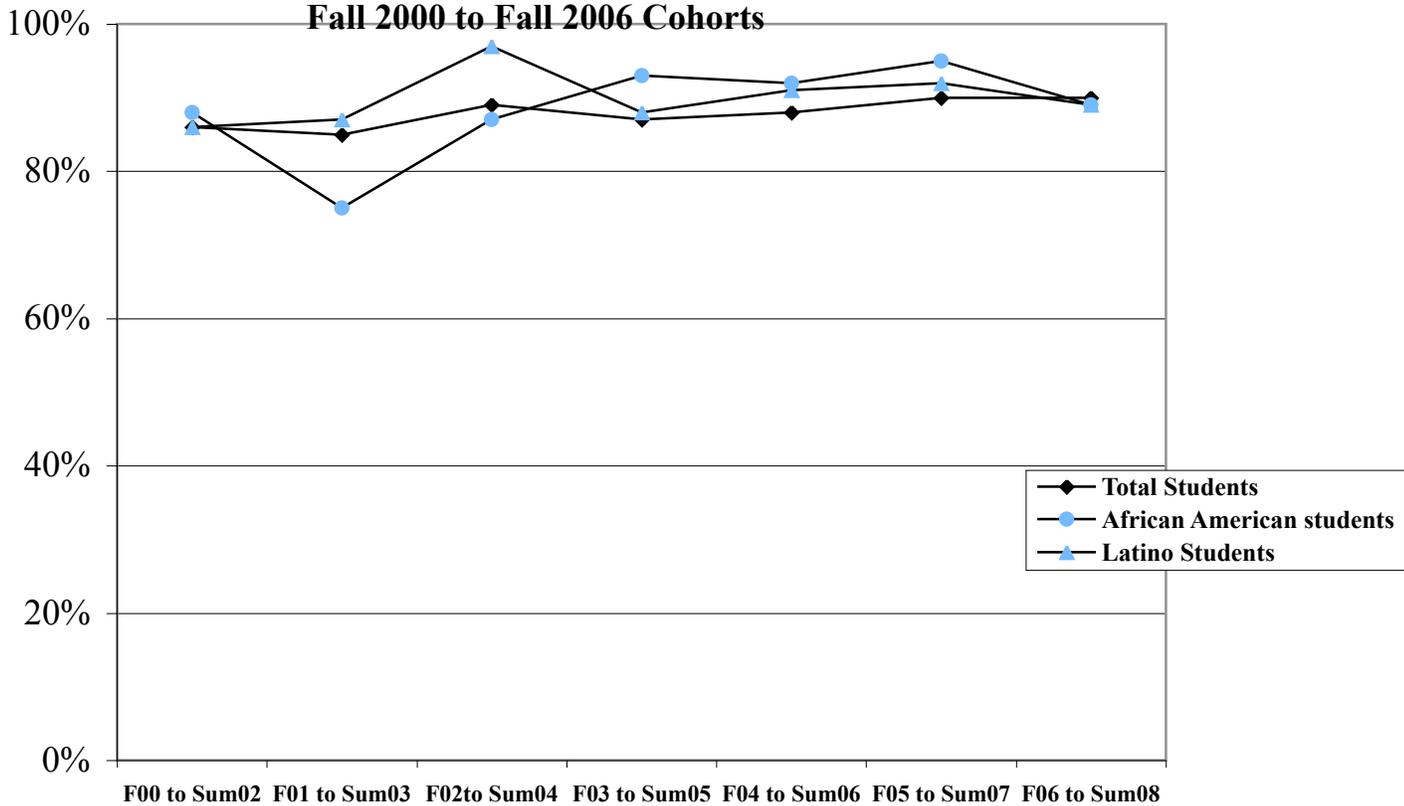
**Persistence Rates within 2 years  
from English 101A to English 1A  
Fall 2000 to Fall 2006 Cohorts**



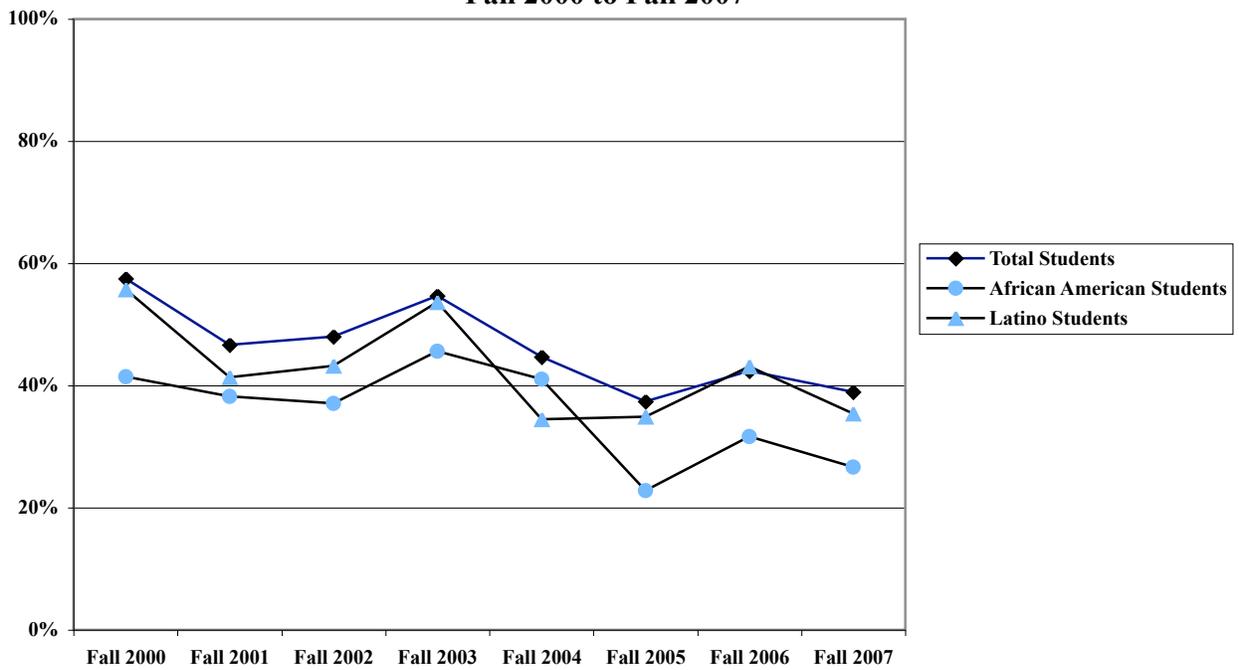
**Chabot College  
Success Rates in ENGL 102  
Fall 2000 to 2007**



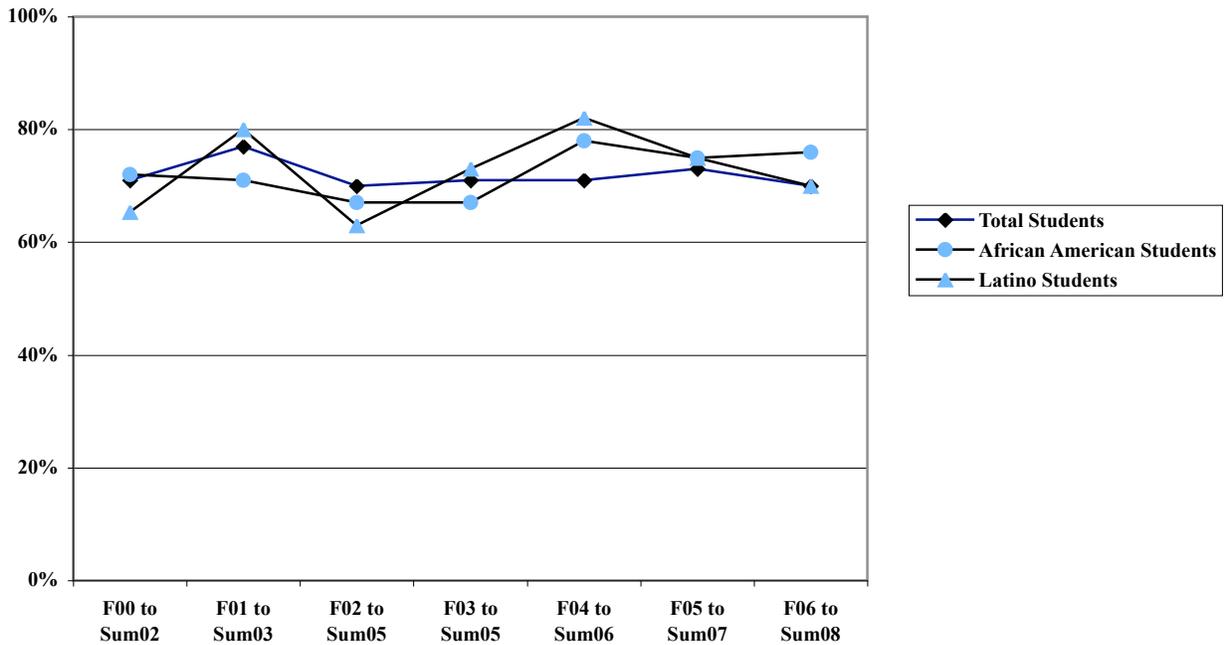
**Persistence Rates within 2 years  
from English 102 to English 1A  
Fall 2000 to Fall 2006 Cohorts**



**Success Rates in MATH 55/55A (Intermediate Algebra)  
Fall 2000 to Fall 2007**

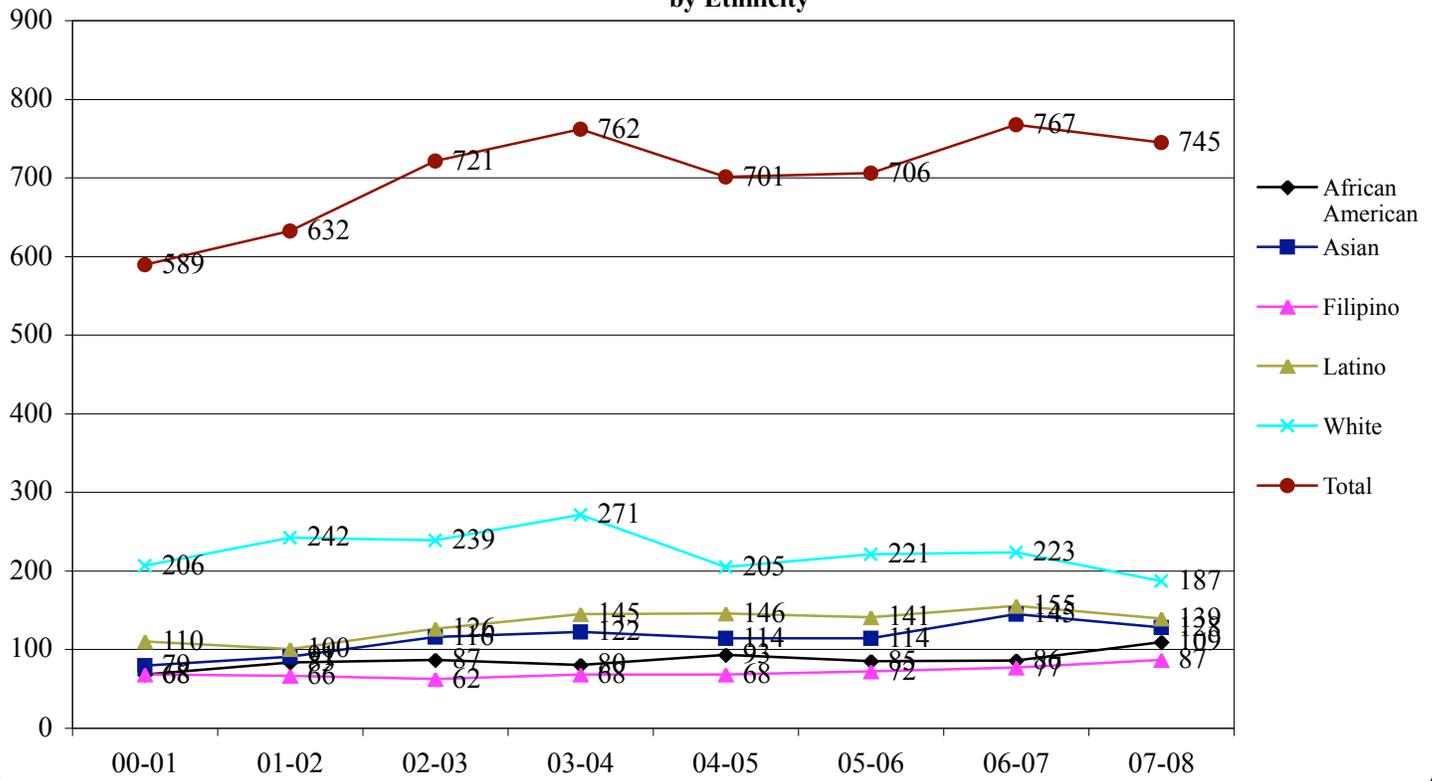


**Persistence Rates within 2 years  
from Math 55/55A to College-level Math  
Fall 2000 to Fall 2006 Cohorts**

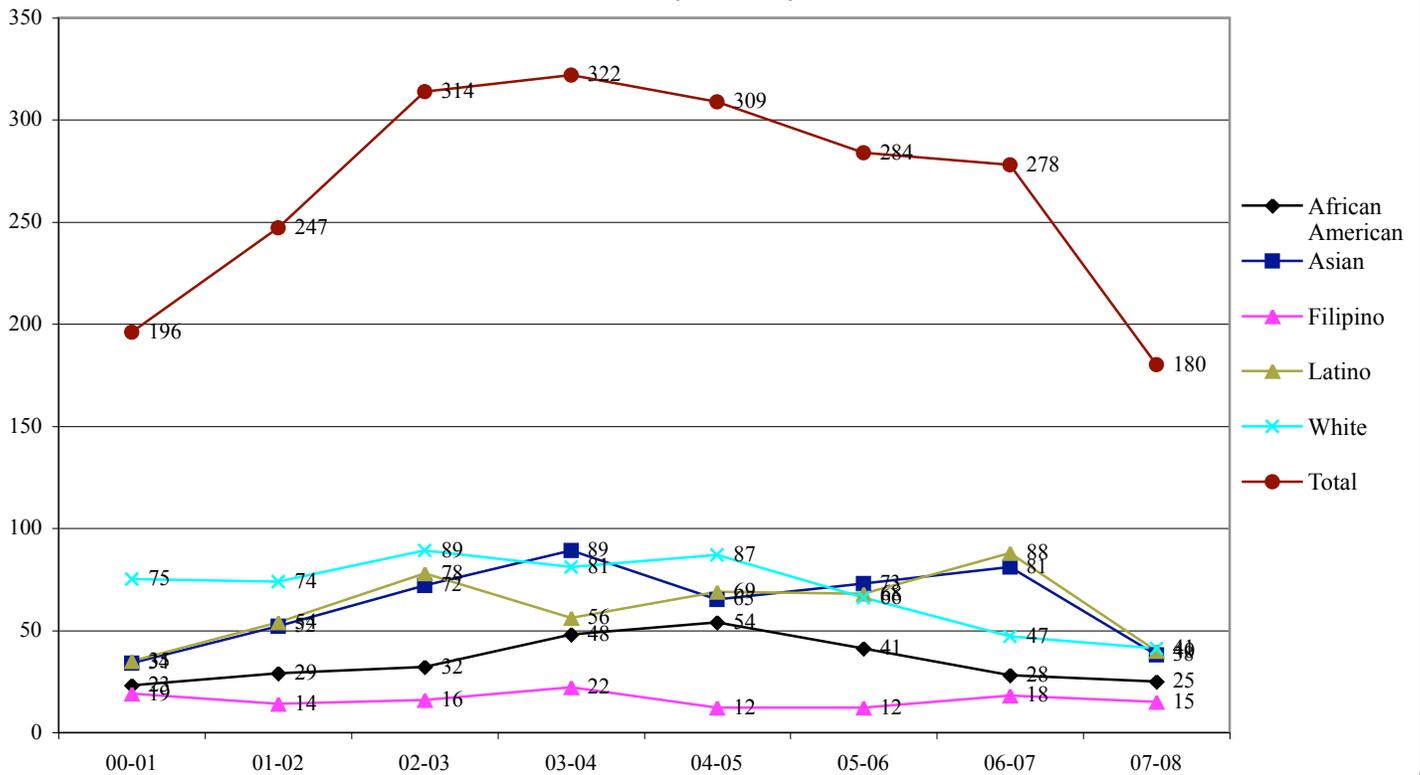


## Chabot College AA/AS degrees and Certificates Earned by Ethnicity, 2000-2008

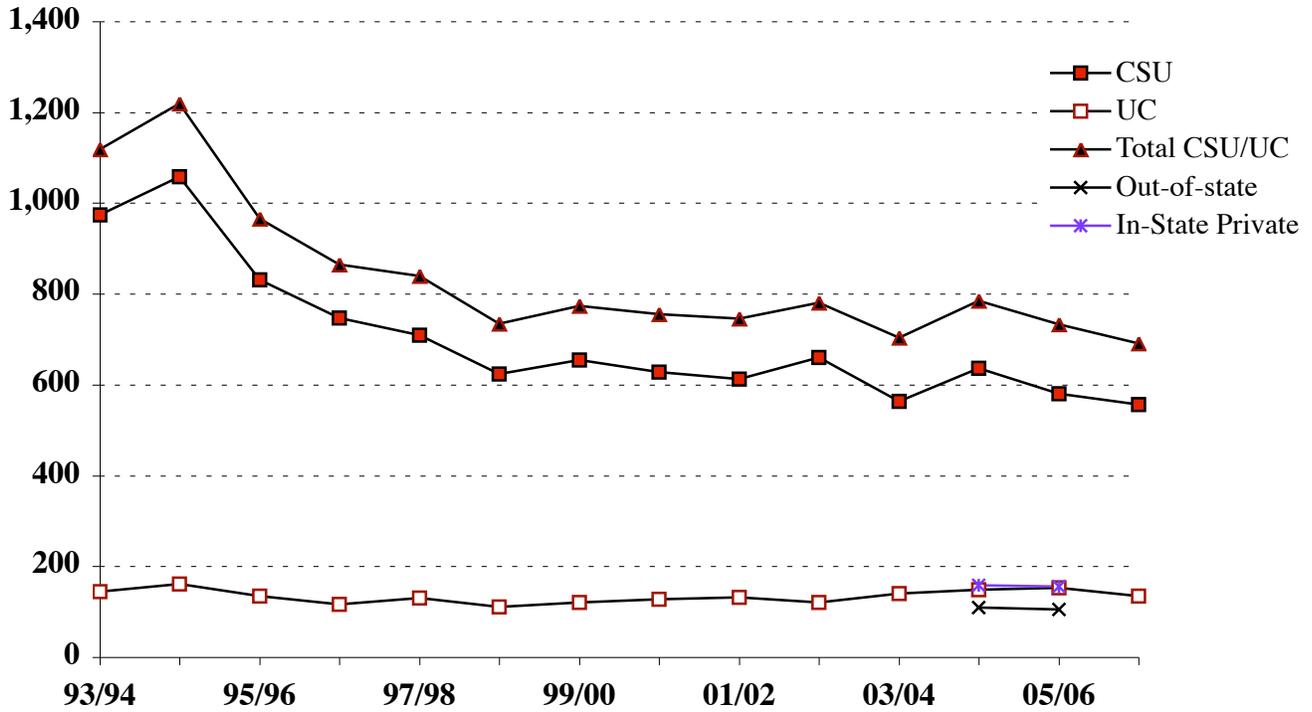
### Trends in Number of AA/AS Degrees, by Ethnicity



### Trends in Number of Certificates, by Ethnicity



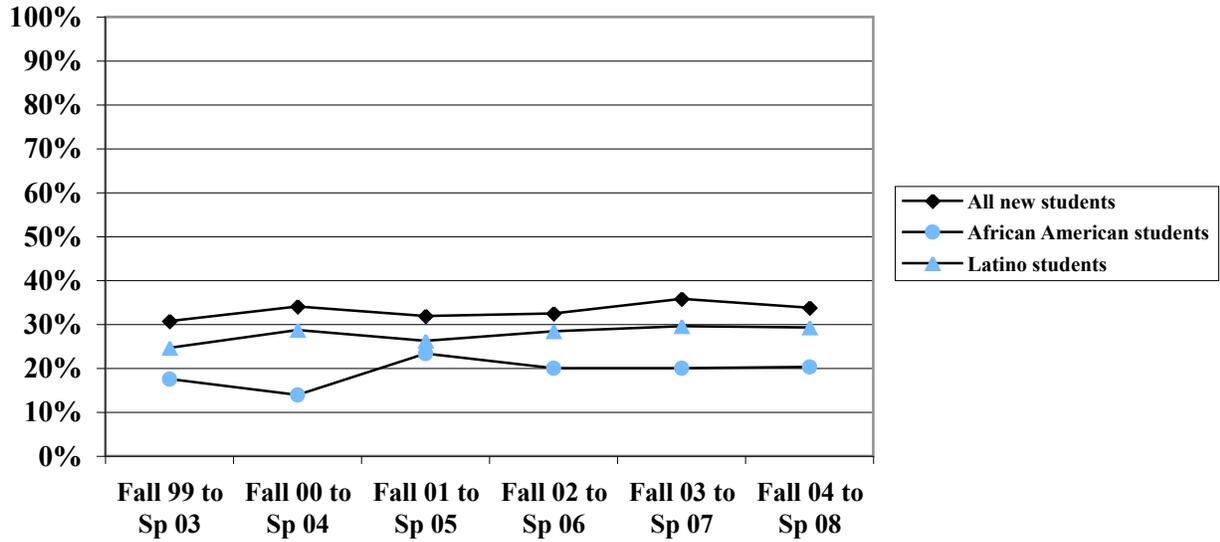
**Chabot College**  
**Number of Full Year Transfers to CSU, UC, In-state Privates, and Out-of-state Colleges**  
**1993-2007**



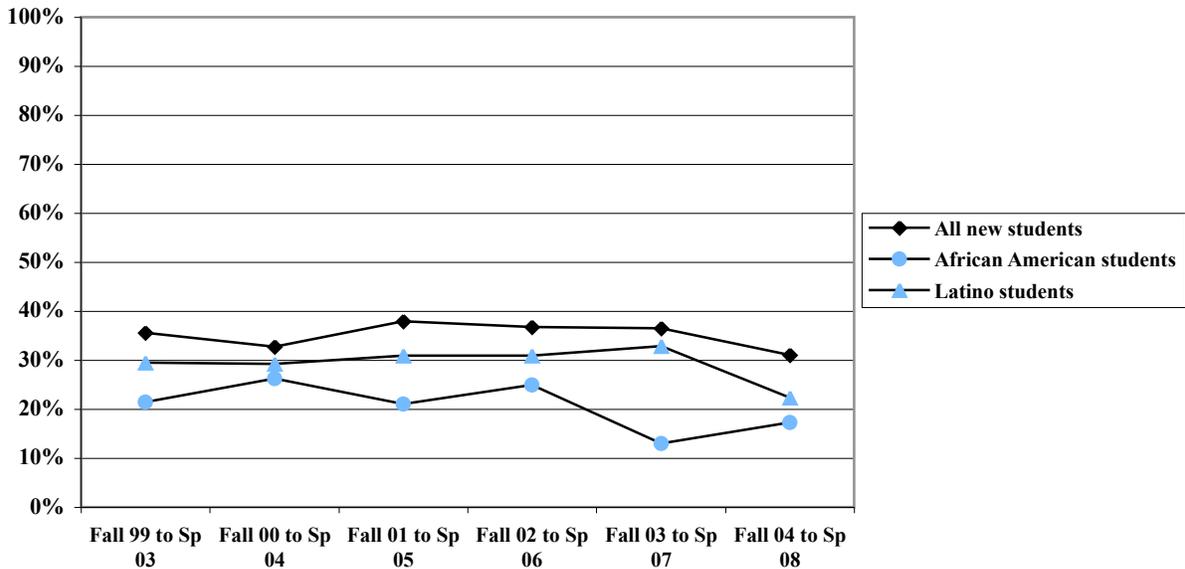
|                         | 93/94 | 94/95 | 95/96 | 96/97 | 97/98 | 98/99 | 99/00 | 00/01 | 01/02 | 02/03 | 03/04 | 04/05 | 05/06 | 06/07 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>CSU</b>              | 974   | 1,058 | 831   | 747   | 709   | 623   | 654   | 628   | 613   | 660   | 564   | 636   | 580   | 556   |
| <b>UC</b>               | 144   | 161   | 135   | 117   | 131   | 111   | 120   | 127   | 132   | 120   | 140   | 149   | 153   | 135   |
| <b>In-State Private</b> |       |       |       |       |       |       |       |       |       |       |       | 159   | 156   |       |
| <b>Out-of-state</b>     |       |       |       |       |       |       |       |       |       |       |       | 110   | 105   |       |
| <b>Total CSU/UC</b>     | 1,118 | 1,219 | 966   | 864   | 840   | 734   | 774   | 755   | 745   | 780   | 704   | 785   | 733   | 691   |

Sources: California Postsecondary Education Commission, California Community Colleges' System Office

**Chabot College**  
**Percent Transfer-Directed after 4 years**  
**(12 earned units, attempted College English OR Math)**  
**New Student Cohorts: Fall 1999 through Fall 2004**



**Chabot College**  
**Transfer-Ready Rate after 4 years**  
**Percentage of Transfer-Ready (56+ transferable units, success in College English AND Math) out of Transfer-Directed**  
**New Student Cohorts: Fall 1999 through Fall 2004**

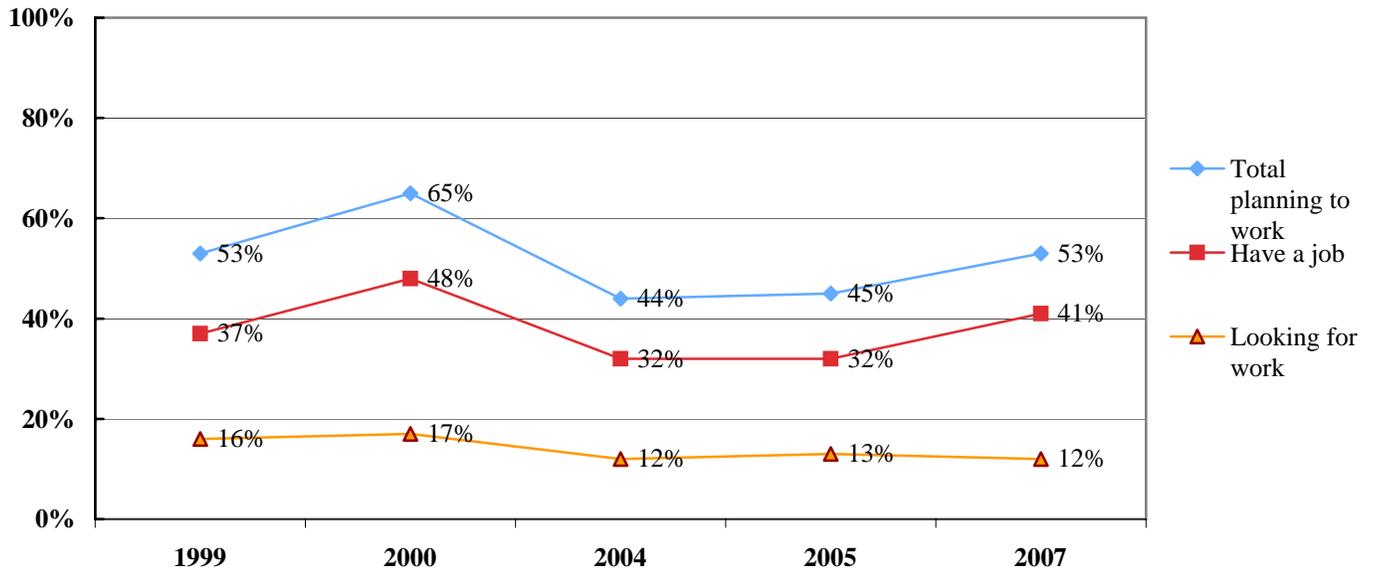


# Chabot College

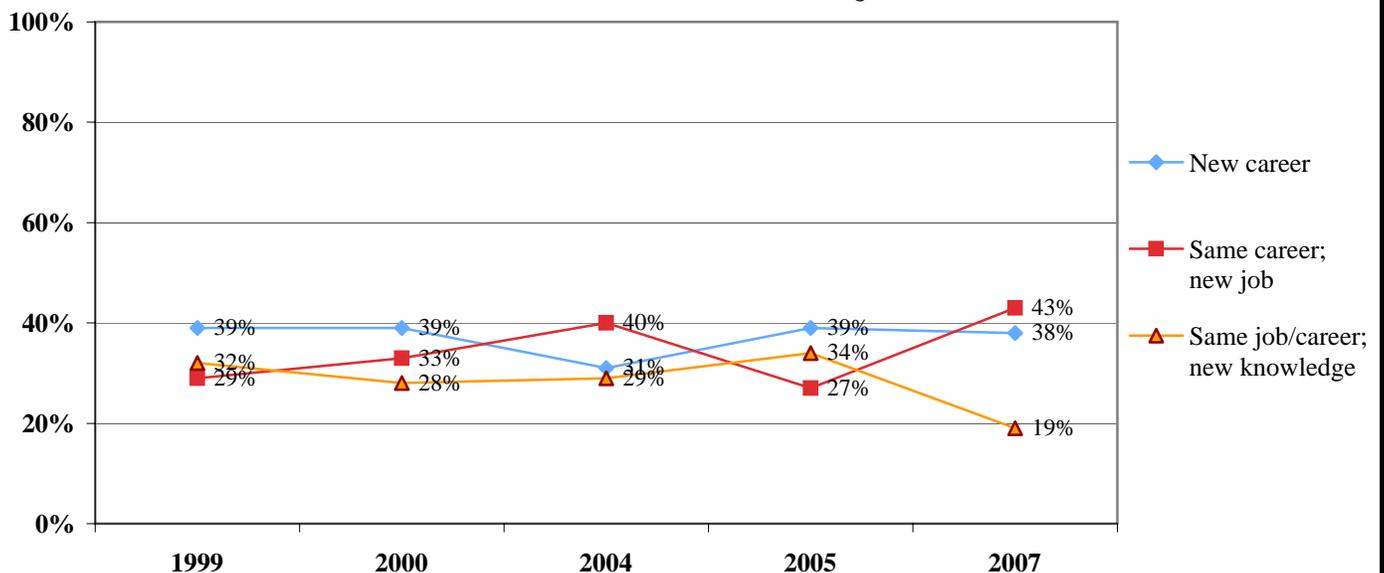
## Degree and Certificate Graduates

### Workforce Trends from 1999 to 2007

#### Percentage of Graduates Planning to Work



#### Of graduates planning to work, percentage using degree/certificate in new or same career or job



Source: Chabot College Graduation Surveys 1999-2007

**Chabot College**  
**Persistence rates of new students**  
**by Student Services**  
**Fall 2001 to Spring 2002 through Fall 2007 to Spring 2008**

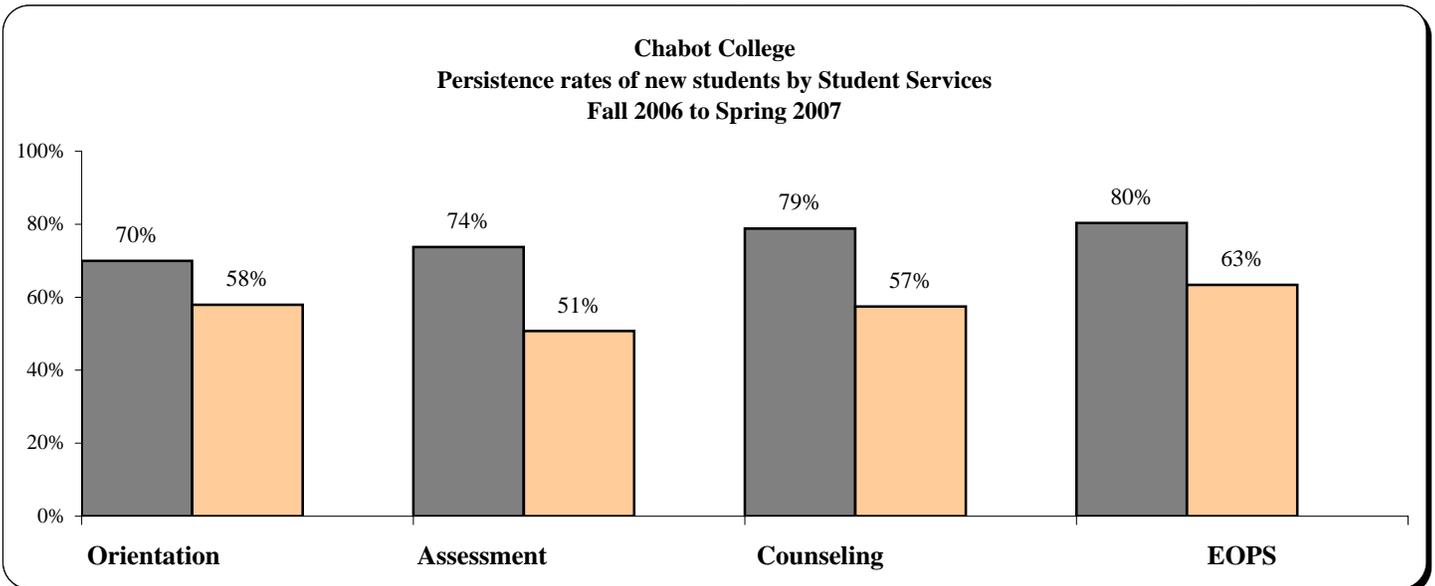
Persistence rates measure the proportion of students in one term who continue to enroll in college from one term to the next. Term to term persistence rates are defined as the percentage of students enrolled as of Census Day in the first term who are subsequently enrolled as of Census Day in the following term.

On average, almost two thirds of new students enrolled in the Fall continued enrolling in the Spring semester. However, the persistence rates of new students who received the Matriculation services of orientation, assessment, counseling, or participated in Extended Opportunity Programs and Services (EOPS) had higher persistence rates than new students without those services.

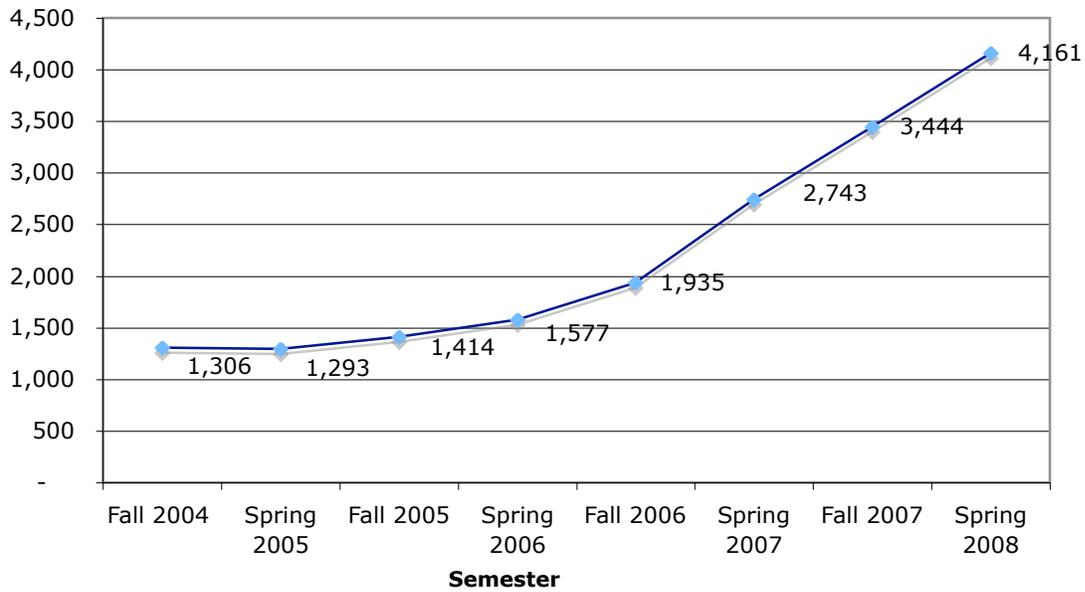
**Persistence rates of new students**

|                                         | All<br>New<br>Stdts. | Matriculation Services |       |            |       |            |       | EOPS |       |
|-----------------------------------------|----------------------|------------------------|-------|------------|-------|------------|-------|------|-------|
|                                         |                      | Orientation            |       | Assessment |       | Counseling |       | Yes  | No    |
|                                         |                      | Yes                    | No    | Yes        | No    | Yes        | No    |      |       |
| <b>Fall enrollments</b>                 |                      |                        |       |            |       |            |       |      |       |
| Fall 01                                 | 2,505                | 577                    | 1,928 | 1,167      | 1,338 | 752        | 1,753 | 85   | 2,420 |
| Fall 02                                 | 2,499                | 891                    | 1,608 | 1,349      | 1,150 | 1,112      | 1,387 | 98   | 2,401 |
| Fall 03                                 | 2,333                | 1,286                  | 1,047 | 1,378      | 955   | 639        | 1,694 | 97   | 2,236 |
| Fall 04                                 | 2,767                | 1,439                  | 1,328 | 1,720      | 1,047 | 753        | 2,014 | 116  | 2,651 |
| Fall 05                                 | 2,862                | 1,406                  | 1,456 | 1,796      | 1,066 | 910        | 1,952 | 117  | 2,745 |
| Fall 06                                 | 2,650                | 1,376                  | 1,274 | 1,548      | 1,102 | 835        | 1,815 | 56   | 2,594 |
| <b>Fall to Spring persistence rates</b> |                      |                        |       |            |       |            |       |      |       |
| Fall01/S02                              | 64%                  | 73%                    | 61%   | 73%        | 56%   | 78%        | 58%   | 88%  | 63%   |
| Fall02/S03                              | 63%                  | 74%                    | 57%   | 73%        | 52%   | 76%        | 53%   | 83%  | 62%   |
| Fall03/S04                              | 68%                  | 73%                    | 64%   | 76%        | 58%   | 85%        | 62%   | 84%  | 68%   |
| Fall04/S05                              | 64%                  | 70%                    | 58%   | 72%        | 52%   | 81%        | 58%   | 85%  | 63%   |
| Fall05/S06                              | 65%                  | 69%                    | 62%   | 73%        | 53%   | 79%        | 59%   | 77%  | 65%   |
| Fall06/S07                              | 64%                  | 70%                    | 58%   | 74%        | 51%   | 79%        | 57%   | 80%  | 63%   |
| Fall07/S08                              | 65%                  |                        |       |            |       |            |       |      |       |

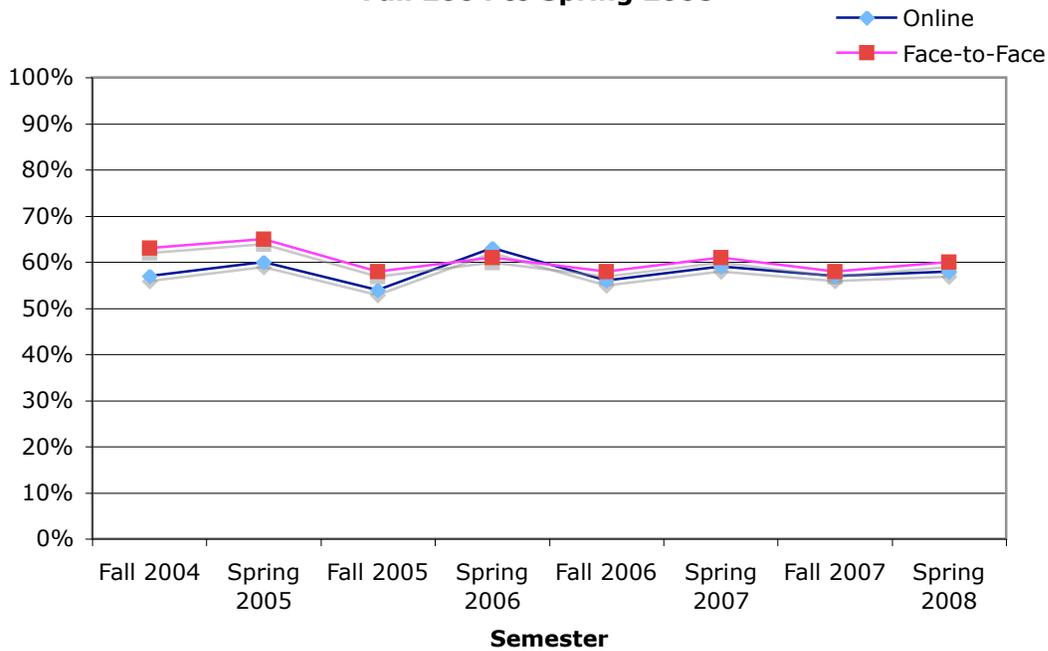
NOTE: Does not include some matriculation services given to DSPS and CalWorks students separately.



**Chabot College  
Enrollments in Online Classes  
Fall 2004 to Spring 2008**



**Chabot College  
Success Rates in Online vs. Face-to-Face Classes  
Fall 2004 to Spring 2008**



## Highest Projected Job Openings vs. Chabot College Career-Technical Ed (CTE) Programs

Occupations with the highest projected job openings in Alameda County: 2008 to 2015

| <b>Jobs requiring AA/AS degree or certificate</b>               | <b>Number Job Openings</b> | <b>Median Wage</b> | <b>CTE program(s) at Chabot</b>              |
|-----------------------------------------------------------------|----------------------------|--------------------|----------------------------------------------|
| Real estate sales agents                                        | 3,548                      | \$15.17            | Real Estate                                  |
| Registered nurses                                               | 3,071                      | \$43.31            | Nursing                                      |
| Computer support specialists                                    | 1,132                      | \$26.11            | Computer Science; Electronics                |
| Nursing aides, orderlies, and attendants                        | 811                        | \$13.80            | Nursing                                      |
| Appraisers and assessors of real estate                         | 808                        | \$20.84            | Real Estate                                  |
| Computer specialists, all other                                 | 689                        | \$38.08            | Computer Science                             |
| Automotive service technicians and mechanics                    | 582                        | \$28.21            | Automotive                                   |
| Licensed practical and licensed vocational nurses               | 564                        | \$28.12            | Nursing                                      |
| Dental hygienists                                               | 353                        | \$41.36            | Dental Hygiene                               |
| Fitness trainers and aerobics instructors                       | 347                        | \$16.52            | Fitness Instructor                           |
| Preschool teachers, except special education                    | 318                        | \$13.19            | Early Childhood Development                  |
| Medical secretaries                                             | 302                        | \$18.65            | Medical Assisting                            |
| Electrical and electronic engineering technicians               | 264                        | \$27.94            | Engineering; Electronics                     |
| Bus and truck mechanics and diesel engine specialists           | 241                        | \$24.65            | Automotive Technology                        |
| Biological technicians                                          | 238                        | \$22.32            | Biology                                      |
| Semiconductor processors                                        | 208                        | \$15.44            | Electronics                                  |
| <b>Library technicians</b>                                      | <b>208</b>                 | <b>\$17.15</b>     |                                              |
| Legal secretaries                                               | 176                        | \$26.77            | Office Technology                            |
| Emergency medical technicians and paramedics                    | 175                        | \$10.59            | EMT certification                            |
| <b>Paralegals and legal assistants</b>                          | <b>170</b>                 | <b>\$26.52</b>     |                                              |
| <b>Computer, automated teller, and office machine repairers</b> | <b>162</b>                 | <b>\$23.98</b>     |                                              |
| Mobile heavy equipment mechanics, except engines                | 150                        | \$28.32            | Automotive Technology                        |
| Engineering technicians, except drafters, all other             | 144                        | \$30.50            | Engineering                                  |
| Architectural and civil drafters                                | 135                        | \$26.93            | Architecture                                 |
| Medical records and health information technicians (HIT)        | 134                        | \$20.25            | Medical Assisting; HIT prog suspended        |
| Chemical technicians                                            | 125                        | \$17.53            | Chemistry                                    |
| Veterinary technologists and technicians                        | 120                        | \$17.79            | Biology                                      |
| Life, physical, and social science technicians, all other       | 111                        | \$23.33            | Biology, Chemistry, Geology, Social Sciences |
| <b>Respiratory therapists</b>                                   | <b>111</b>                 | <b>\$31.42</b>     |                                              |
| Healthcare practitioners and technical workers, all other       | 103                        | \$24.65            | Health, Biology, Chemistry, etc.             |
| Civil engineering technicians                                   | 102                        | \$27.64            | Engineering                                  |

### Occupations with the highest projected job openings that Chabot College is NOT providing training for:

| <b>Jobs requiring a BA/BS degree</b>                               |       |         |  |
|--------------------------------------------------------------------|-------|---------|--|
| Secondary school teachers, except special and vocational education | 1,126 | \$37.65 |  |
| Teachers and instructors, all other                                | 750   | \$25.16 |  |
| Middle school teachers, except special and vocational education    | 600   | \$36.60 |  |

| <b>Jobs requiring long term OJT training</b>                          |       |         |  |
|-----------------------------------------------------------------------|-------|---------|--|
| Carpenters                                                            | 1,292 | \$31.90 |  |
| Cooks, restaurant                                                     | 1,004 | \$11.59 |  |
| Plumbers, pipefitters, and steamfitters                               | 582   | \$29.02 |  |
| Heating, air conditioning, and refrigeration mechanics and installers | 288   | \$27.92 |  |
| Electricians                                                          | 273   | \$34.05 |  |
| Cabinetmakers and bench carpenters                                    | 197   | \$25.04 |  |
| Butchers and meat cutters                                             | 196   | \$18.85 |  |
| Bakers                                                                | 160   | \$21.38 |  |
| Plasterers and stucco masons                                          | 152   | \$24.37 |  |
| Tile and marble setters                                               | 146   | \$24.18 |  |
| Opticians, dispensing                                                 | 132   | \$18.35 |  |
| Painters, transportation equipment                                    | 110   | \$24.72 |  |

Source: CCBenefits Strategic Advantage Tool; Economic Modeling Specialists, Inc. Spring 2008 Release v. 2