

Feedback Report on Learning Communities and First Year Programs at BGSU Spring 2007

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ABSTRACT

This study repeated a Spring 2002 study that concerns the effectiveness of BGSU's learning communities and first year programs. Program outcomes, including retention, graduation, grade point averages, credit hours earned, student-program interaction effects, and income vs. expense ratios, were studied using a variety of methods. It was concluded that all 18 learning communities and first year programs in this study are associated with positive outcome at least one time. The Bachelor Music Community, the Chapman Learning Community, the Honors Program, the Literacy Serve and Learn Program, the Springboard Program, and UNIV100 course are more likely to show positive effects towards the outcomes than the others. The Honors Program and the Literacy Serve and Learn Program are contributing most towards these outcomes at this time. Several important assumptions and caveats concerning the procedures used for the study are noted.

BACKGROUND

Many criticisms exist of contemporary American higher education. There are tales of public, employer, and legislative concern with the attention that faculty give to undergraduate learning. There has been increasing skepticism concerning the quality and utility of a liberal arts education. Similarly, there has been fear that students are not developing critical competencies such as communication, critical thinking, and a developed sense of social responsibility. Colleges and universities must respond to these criticisms at the same time that students come to us with an increasingly diverse array of experiences, preparation, and expectations (Shapiro & Levine, 1999).

Several longitudinal studies carried out in recent years and across a wide variety of institutions have highlighted problems affecting the state of undergraduate learning in the United States. Such problems include a discontinuity between K-12 schools and colleges, institutional confusion over purposes and goals, the tension between the liberal arts and professional curricula, faculty feeling split between their loyalty to their institutions vs. their disciplines and between their interests in teaching and research, and the divisions between academic and student affairs on campuses. These studies highlight the need to draw more explicit connections between the classes students take as well as between their in- and out-of-class experiences, the need to become more student-centered, the need to promote student-faculty and student-student interaction and collaborative and active learning activities, the need to improve and make explicit student engagement, high expectations, and assessment, and the need to emphasize competency over content and collaboration over competition (Astin, 1993; Boyer, 1987; Gamson & Chickering, 1987; Joint Task Force, 1998; Kellogg Commission, 1997; Kuh, Schuh, & Whitt, 1991; National Institute of Education, 1984; Pascarella & Terenzini, 2005; Schneider & Schoenberg, 1998).

Institutions are responding by restructuring their activities in a variety of ways, one of which is the establishment of learning communities and first year programs. While not a new concept, these efforts have been experiencing a renaissance in recent years (Cross,

1988; Smith & Hunter, 1988; Shapiro & Levine, 1999). Many definitions and statements of the purposes of learning communities and first year programs exist. Learning communities involve curricular structures that link together courses to encourage deeper understanding of course material and more meaningful interactions between students and faculty and among groups of students (Gabelnick, MacGregor, Matthews, & Smith, 1990). Learning communities and first year programs may involve co-curricular experiences, common career interests, residential living experiences, and avocational interests. They are designed to help students overcome feelings of isolation common on large campuses and to encourage a sense of group identity and strengthen connections between various college experiences (Astin, 1993). The programs upon which the current study is focused share many of the characteristics noted by Shapiro & Levine (1999). They break students and faculty into smaller units than are normally found on campus. They encourage connections between curricular offerings. They help students build support networks. They provide a setting for students to understand the expectations of college life. They bring faculty together in meaningful ways to encourage learning. They help both faculty and students to focus upon learning outcomes. They provide a community-based setting for delivery of academic support programs. Finally, they offer a critical perspective for examining the first year experience.

Studies have shown that learning communities and first year programs can be effective in promoting student academic achievement, academic and social integration, involvement, satisfaction, sense of community, and persistence (Avens & Zelle, 1992; Borden & Rooney, 1998; Buckner, 1977; Hill, 1985; Lacy, 1978; Levine & Tompkins, 1996; Matthews, Smith, MacGregor, & Gabelnick, 1996; Schroeder & Hurst, 1996; Smith, 1991, 1993; Tinto, 1994; Tinto & Love, 1995; Tinto, Russo, & Kadel, 1994). It has also been suggested that non-participants in learning communities may benefit from interaction with their learning community participant peers (Inkelas, 1999). Some of the more rigorous studies include one carried out by Borden & Rooney (1998), where significant differences in grade point averages and retention between program participants and non-participants were analyzed after controlling for student background characteristics such as pre-college academic achievement, age, and ethnicity. A study sponsored by the National Center on Postsecondary Teaching, Learning and Assessment (Tinto, Love, & Russo, 1993) examined the effectiveness of programs at three different institutions. Barefoot et al. (1998) summarized research conducted about the outcomes of first year seminars at 47 institutions; the most frequently studied outcomes included retention, grade point averages, credit hours attempted and completed, student satisfaction, graduation rates, student adjustment/involvement, and evaluations of specific components of the seminars. Shapiro and Levine (1999) discussed research and evaluation activities concerning learning communities across a variety of institutions; the outcomes studied included student achievement and retention, intellectual and social development, student involvement, classroom experiences, and the effect of learning communities upon faculty and upon institutions.

A similar study was done by the Office of Institutional Research in Spring 2002 in response to President Ribeau's request. As more first year programs became available in

2003 the number of first time, first year, full time freshmen who have participated one or more learning communities and first year programs have increased dramatically. In Fall 2005, for example, only 33 main campus first-year students were not in any of the programs compared with 1682 in Fall 2002 and 1824 in Fall 2001. It was decided to repeat the study by the President Office and it should be guided by the following research questions:

1. What are the demographic and educational characteristics of participants in learning communities and first year programs?
2. What are the retention and graduation rates, mean cumulative grade point averages, and mean student credit hours earned for program participants and how do these outcomes compare to those for non-participants?
3. What significant differences exist in retention rates, graduation rates, mean cumulative grade point averages, and mean student credit hours earned for students participating in each program versus students not participating in that program after gender, race, and high school grade point average are controlled for?
4. What significant interaction effects exist between program participation and gender, race, and high school grade point average as shown in retention rates, graduation rates, grade point averages, and student credit hours earned?
5. What are the results of income vs. expense analyses for the learning communities and first year programs?

It should be noted that not all learning communities and first year programs existed for the past ten years were highlighted in the assessment (IMPACT, La Comunidad, La Maison Francaise, and BG Connections are a few of the examples) and that some programs that may meet the definition of learning communities, such as Greek organizations and Intercollegiate athletics, have never been included in studies such as this carried out by the Office of Institutional Research. Below are the brief description of 18 Learning Communities and First Year Programs that are studied at this time.

BRIEF DESCRIPTION OF 18 LEARNING COMMUNITIES AND FIRST YEAR PROGRAMS AT BGSU

- The Academic Investment in Math and Science (AIMS) program provides students with the unique opportunity to strengthen their academic skills and to develop the professional and leadership traits required for advanced/terminal/graduate degrees in mathematics and the sciences as future researchers and teachers (elementary, secondary, and college level). The goal of the program is to increase the number of women and students of color who graduate from BGSU with majors in mathematics, computer and natural sciences.
- Arts Village is a learning community for students who are interested in pursuing dance, art, theatre, music, and creative writing as a profession or an avocation.
- BA 150 is an introductory course for students who have a major in the College of Business Administration.
- The Batchelder Music Community (BMC) offers practice rooms in the residence hall. Students could have regular interactions with music faculties. It is the ideal place for students who share a passion for music.
- The BG Effect Program (BG Effect) matches first year students with university faculty and staff in order to facilitate students' social and academic transitions to campus life.
- BGeXperience is the University's *values program* that is designed to help all first-year students make a successful transition to college and jump start their college career. Through the BGeXperience values courses students develop relationships that connect them to the BGSU community, and they begin to develop skills that prepare them to succeed academically.
- Within the Chapman Residential Learning Community (Chapman) students live and learn together through close interaction with each other and some of the university's best faculty; special programming includes study groups and seminars, regularly scheduled social activities, increased involvement with student organizations, and development of leadership skills through increased interaction with students, staff and faculty.
- The Health Science Residential Community (HSRC) is designed to provide students studying the health and natural sciences with a unique living-learning environment where faculty and staff members provide special assistance including tutoring, mentoring and advising.
- The Honors Program (Honors) offers qualified students academically enriched classes, a residential opportunity, and a wide range of activities such as guest speakers, a service learning program, discussions led by honors faculty, informal reading groups, special programs of personal interest to students, a peer mentor program for first-year students.
- The Literacy Serve and Learn (LSL) program is a collaborative effort between the University and local public schools that provides service learning opportunities for students and instructional support for schools.
- The Center for Multicultural and Academic Initiatives (MAI) focuses on multicultural initiatives on campus by providing educational programs, mentoring opportunities, scholarships, and training for students and staff; in addition, the Center staff provides

individual support through advising, tutorial services, study skill sessions, and counseling.

- Partners in Contest & Community (PCC) is a residential learning community that designed for students who have an education major and are interested in teaching grades 4-12. PCC students learn to teach by actually teaching and working in high-need urban schools beginning their very first semester at BGSU. Students gain valuable practical experience while developing close ties to faculty, peers, school administrators and teachers.
- The President's Leadership Academy (PLA) provides educationally, economically, and culturally disadvantaged students with opportunities to develop academic and leadership skills.
- Students of Color Mentoring, Aiding, Retaining, and Teaching Program (SMART) is a mentoring program designed to offer social, cultural, leadership, and academic support to first-year students of color living in the residence halls at BGSU.
- The Springboard Program (Springboard) is a graded, one-credit course aimed at assessment and development of skills in communication, analysis, problem solving, judgment, leadership, and self-assurance; through a series of hands-on individual and small group activities, first-year students with their individual coaches (recruited from among faculty, staff, students, community members, alumni, etc.) assess their strengths and development needs and create a personal development plan; this learning community is based upon assessment approaches utilized at Alverno College.
- UNIV 100 is a voluntary two-credit hour course for first year students that exposes them to the resources of the university and promotes the development of intellectual, personal and social skills that will assist in future semesters at the university and beyond; theme sections of the course are also available and serve as an opportunity for new students to strengthen their connections to an academic major or interest.
- UNIV 131 is a career and life planning course that designed specifically for first and second year students. The course helps students to assess personality, interests, values, aptitudes and abilities; to explore the world of work and the requisite academic preparation ; to investigate general occupational and academic options; and to learn to make knowledgeable and self-appropriate decisions
- The University Program for Academic Success (UPAS) is designed to provide students with lower than average levels of pre-college academic preparation with opportunities to enroll in college courses while receiving special academic support that assists them in making a successful transition to the university environment; this support includes group and individual tutoring, extensive academic advising, and participation in a unique bridge experience.

While some of the programs above are clearly more intensive and closer to the definitions of learning communities than are others, it was decided to carry out the same formative assessment for all these programs with the idea that further studies may focus upon different outcomes for different programs.

PROCEDURES

Electronic lists of new full-time, first year participants in each of the learning communities and first year programs noted are shared with the Office of Institutional Research each fall semester. Student identification numbers are merged with demographic and enrollment data maintained by the office to produce profiles of program participants and to track their subsequent retention, graduation, cumulative grade point averages, and cumulative credit hours earned.

Logistic regression analyses were carried out to study program participation effects upon retention and graduation after gender, race, and high school grade point average were controlled for. Linear regression analyses were carried out to study program participation effects upon grade point averages and credit hours earned after gender, race, and high school grade point average were controlled for. Interaction terms were computed for program participation (coded 1 or 0) and gender (coded female 1 or 0), race (coded students of color 1 or 0), and high school grade point average (coded high GPA group 1 or 0); program interaction effects upon the same set of outcomes was then studied after controlling for the remaining background variables. Logistic regression is an appropriate statistical analysis technique when the goal is to measure the extent to which a set of independent variables significantly predict or explain changes in dependent variables with only two possible values (e.g., retained or not retained, graduated or not graduated). Linear multiple regression is a similarly appropriate technique when the dependent variables have continuous values (e.g., grade point average and credit hours earned). Working with interaction terms (for example, students being members of one demographic group and also participants in a given program) allows researchers to examine what Pascarella and Terenzini (2005) term conditional effects.

The income vs. expense analyses were carried out by comparing program expenses to estimated additional revenues gained by the university as a result of program participation. This was done for the 2002-2003, 2003-2004, 2004-2005, and 2005-2006 fiscal years. The procedures are (1) the improved retention rate of participants in programs that had clearly demonstrated significantly improved retention during the previous year in earlier analyses was computed. Retention rates for these programs are compared to those of other students who are not in these programs. The difference between the retention rates was applied to the number of program participants and the result was multiplied by an estimate of \$10,700 per year in net tuition and state subsidy for retained students (The \$10,700 per year estimate was established by the university's Finance and Administration Office). (2) Additional state subsidies at 2003 rates (due to the effects of the OBR "hold harmless" provision) for LSL, Springboard, UNIV100 were added to the total income for those programs. (3) A request was sent to the learning community directors and asking them to provide annual expense numbers for their programs. Program Income/Expense Ratios are calculated based on the data above.

RESULTS

1. Demographic and Educational Profiles of Program Participants

Summary profiles of the age, gender, ethnicity, college during the first semester, residency, ACT composite score, and high school grade point average of learning community and first year programs participants (as well as for students who didn't participate in any of the programs) for Fall 1997 through Fall 2005 cohorts are shown in Tables 1-9, respectively (click the pdf files below to see the tables). The profiles demonstrate the diversity among backgrounds of participants.

2. Retention, Graduation, Grade Point Average, and Credit Hours Earned Tracking

Tables 1-9 also show enrollments and average retention rates, graduation rates, cumulative grade point averages and cumulative credit hours earned each subsequent spring and fall semester for learning community and first year programs participants. A comparison group of students who did not participate in any of the programs is also provided. It should be mentioned that the number of students who did not participate in any of programs has decreased significantly; it was 1,682 in the 2002 cohort, 170 in the 2003 cohort, 94 in the 2004 cohort, and only 33 in the 2005 cohort.

The basic findings from Tables 1-9 are that (1) one-year, two-year and three-year retention rates are higher on average for participants in most of the learning communities and first year programs than for students who did not participate in any of them; (2) five and six year graduation rates for the 1997, 1998, and 1999 cohorts are higher on average for participants in most of the learning communities and first year programs than for students who did not participate in any of them; (3) results were mixed concerning for four year graduation rates, grade point average, and credit hours earned each subsequent semester.

3. Linear and Logistic Regression Analyses Controlling for Background Variables

A valid criticism of the tracking discussed above is that it does not take into account differences in participant's characteristics such as gender, race, and pre-college academic achievement that may affect the outcomes. For programs such as Honors, for example, the appropriate point of comparison should probably be non-participating students with similar background characteristics as those of the participants. As a response, logistic and linear regression analyses were carried out for the same outcomes as noted earlier but with gender, race, and high school grade point average controlled for. The results of this set of analyses are shown in the tables 10-13 below and in Appendix A.

**Table 10.1. One-Year Retention Rates
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS								
Arts Village							*	
BA 150								
Bachelor Music							**	
BGeX								
BG Effect								
Chapman	**	*	**					
HSRC								
Honors		*				**	*	*
Literacy Serve and Learn					*	*		*
MAI								
PCC								
PLA								
SMART							**	
Springboard		**	**		**	**		
UNIV 100		*	*			**	**	
UNIV 131								
UPAS								

Note: * $p \leq .05$ and ** $p \leq .01$. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 10.2. Two-Year Retention Rates
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004
AIMS							
Arts Village							
BA 150							
Bachelor Music							
BGeX							
BG Effect							
Chapman	**		*				
HSRC							
Honors		*	*	*		**	*
Literacy Serve and Learn						**	
MAI							
PCC							
PLA							
SMART							**
Springboard		*	*		**	**	
UNIV 100	*	**				*	*
UNIV 131	**						
UPAS		(*)					

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 10.3. Three-Year Retention Rates
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002	2002- 2003
AIMS						
Arts Village						
BA 150						
Bachelor Music						
BGeX						
BG Effect						
Chapman	**					
HSRC						
Honors						**
Literacy Serve and Learn			*			**
MAI						
PCC						
PLA						*
SMART						
Springboard					**	*
UNIV 100	*	*	*	*		*
UNIV 131	**					
UPAS						

Note: * $p \leq .05$ and ** $p \leq .01$. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 11.1. Four-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002
AIMS					
Arts Village					
BA 150					
Bachelor Music					
BGeX					
BG Effect					
Chapman	*				
HSRC		*			
Honors		**		*	*
Literacy Serve and Learn					
MAI		*			
PCC					
PLA					
SMART					
Springboard				**	
UNIV 100					(*)
UNIV 131					
UPAS					

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 11.2. Five-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001
AIMS				
Arts Village				
BA 150				
Bachelor Music				
BGeX				
BG Effect				
Chapman	**			
HSRC				
Honors				
Literacy Serve and Learn			*	
MAI		*		
PCC				
PLA				
SMART				
Springboard	(*)	**		*
UNIV 100		*	**	*
UNIV 131	*			
UPAS				

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 11.3. Six-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997- 1998	1998- 1999	1999- 2000
AIMS			
Arts Village			
BA 150			
Bachelor Music			
BGeX			
BG Effect	(*)		
Chapman	**		
HSRC			
Honors			
Literacy Serve and Learn			*
MAI			
PCC			
PLA			
SMART			
Springboard		*	
UNIV 100		*	**
UNIV 131	*		
UPAS			

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 12.1. Cumulative Grade Point Averages After the First Year
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
AIMS					(*)	*			
Arts Village									
BA 150									
Bachelor Music					*	*	*		
BGeX									
BG Effect									
Chapman	**	*	**	**	*				
HSRC							(*)		
Honors	**	**	**	**	**	**	**	**	**
Literacy Serve and Learn			**	*		**	**	*	**
MAI			(*)	**					
PCC						*	*		*
PLA									*
SMART									
Springboard			**	*					
UNIV 100			*	*		*	**	**	**
UNIV 131								*	
UPAS		**	**	**	*	(**)	**	**	**

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 12.2. Cumulative Grade Point Averages After the Second Year
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS								
Arts Village							*	
BA 150							(*)	
Bachelor Music								
BGeX								
BG Effect								
Chapman	*							
HSRC						*		
Honors	**	**	**	**	**	**	**	**
Literacy Serve and Learn			**	**		**	**	
MAI								
PCC								
PLA								(*)
SMART								(*)
Springboard			*					
UNIV 100							*	**
UNIV 131							*	*
UPAS						(**)		

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 12.3. Cumulative Grade Point Averages After the Third Year
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002	2002- 2003	2003- 2004
AIMS					(**)	*	
Arts Village							
BA 150							(*)
Bachelor Music							*
BGeX							
BG Effect							
Chapman	*				*		
HSRC							
Honors	**	**	**	**	**	**	**
Literacy Serve and Learn			**	**		*	**
MAI							*
PCC							
PLA							
SMART						(**)	
Springboard							
UNIV 100				**			**
UNIV 131							*
UPAS						(**)	

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 12.4. Cumulative Grade Point Averages After the Fourth Year
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002
AIMS					
Arts Village					
BA 150					
Bachelor Music					
BGeX					
BG Effect					
Chapman	*				
HSRC					
Honors	**	**	**	**	**
Literacy Serve and Learn			**	**	
MAI		*			
PCC					
PLA			(*)		
SMART					
Springboard					
UNIV 100				*	*
UNIV 131					
UPAS					

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 13.1. Cumulative Student Credit Hours Earned After the First Year
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
AIMS									
Arts Village									
BA 150									
Bachelor Music									
BGeX									
BG Effect	(*)	(*)							
Chapman	**		**						
HSRC									
Honors	**	**	**	**	**	**	**	**	**
Literacy Serve and Learn			**	*			*		*
MAI				*					
PCC							**		
PLA						*	*		**
SMART									
Springboard							(*)		
UNIV 100									
UNIV 131									
UPAS					(**)	(**)			

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 13.2. Cumulative Student Credit Hours Earned After the Second Year
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS						*		
Arts Village								
BA 150								
Bachelor Music					**			*
BGeX								
BG Effect								
Chapman								
HSRC						*		
Honors	**	**	**	**	**	**	**	**
Literacy Serve and Learn			**	*		*	*	
MAI								
PCC							*	*
PLA							*	(*)
SMART								(*)
Springboard								
UNIV 100					(*)			
UNIV 131								
UPAS		(*)	(*)		(**)	(**)		(**)

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 13.3. Cumulative Student Credit Hours Earned After the Third Year
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002	2002- 2003	2003- 2004
AIMS					(*)	**	
Arts Village							
BA 150							
Bachelor Music					**	**	**
BGeX						*	
BG Effect							
Chapman	*	*					
HSRC							
Honors	**	**	**	**	**	**	**
Literacy Serve and Learn			*			*	**
MAI					**		
PCC						**	**
PLA							
SMART							
Springboard							
UNIV 100							
UNIV 131							
UPAS				(*)	(*)	(**)	

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 13.4. Cumulative Student Credit Hours Earned After the Fourth Year
Summary of Significant Program Effects After Controlling for Gender, Race/Ethnicity,
and High School Grade Point Average**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002
AIMS					
Arts Village					
BA 150					
Bachelor Music					**
BGeX					
BG Effect					
Chapman	*				
HSRC					
Honors	**			*	*
Literacy Serve and Learn			**	*	
MAI					
PCC					
PLA					
SMART					
Springboard					
UNIV 100		*			
UNIV 131					
UPAS		(*)		(*)	(*)

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

The programs showing statistically significant positive effects on retention rates, graduation rates, cumulative GPA, and Cumulative SCH after background variables were controlled for included:

- **Retention rates:** Chapman (early year cohorts), Honors, LSL, Springboard, and UNIV 100;
- **Graduation Rates:** Chapman (early year cohorts), LSL, MAI, Springboard, UNIV 100, and UNIV 131. Students in the Honors Program were more likely to graduate in 4 years than the students in other programs;
- **Cumulative Grade Point Averages:** Chapman (early year cohorts), Honors, LSL, Springboard, UNIV100, UNIV 131, and UPAS (for end of first year study only, see Table 12.1);
- **Cumulative Student Credit Hours:** Chapman (early year cohorts), BMC, Honors, LSL, PCC and PLA. Students in UPAS, however, were more likely to carry a fewer credit hours per semester than did students who were in other learning communities and first year programs.

It should be noted that significant differences in retention rates were found between students in their second to third and third to fourth years as well as over their first years. Some of the programs, such as the UNIV 131 course and SMART were included in these analyses only for certain cohorts since the number of first year students in the programs were too small to permit the analyses to be carried out for other cohorts.

It is important to state that while statistical control for some potentially confounding background variables is helpful in attributing program participation to the outcomes study, it would be inappropriate to conclude a strict cause and effect relationship. There may well be underlying motivational factors that lead to self-selection of students into these programs that could not be taken into account by the study. And also the small number of participants in some programs (such as AIMS, PLA, BG Effect) may have affected the results.

4. Interaction Effects between Program Participation and Gender, Race, and High School GPA

Another important question to be addressed in this assessment is that of which programs work best for which kinds of students. In response, interaction terms were calculated between program participation and gender, race (students of color vs. white), and high and low high school grade point average groups. The effect of interaction terms on retention, graduation, grade point averages, and credit hours earned were examined after other background variables were controlled for. The results are provided in Appendix B, C, D as well as the tables below.

Table 14.1. One-Year Retention Rates
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS								
Arts Village								
BA 150								
Bachelor Music							*	
BGeX						*		
BG Effect								
Chapman	**	*	**					
HSRC								
Honors		**						*
Literacy Serve and Learn						*		
MAI								
PCC								
PLA								
SMART							*	
Springboard		**			**			
UNIV 100			**	*			**	
UNIV 131								
UPAS								

Note: * $p \leq .05$ and ** $p \leq .01$. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

Table 14.2. Two-Year Retention Rates
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004
AIMS							*
Arts Village							
BA 150							
Bachelor Music							
BGeX							
BG Effect							
Chapman	**		**				
HSRC					(*)		
Honors		**	*				
Literacy Serve and Learn						*	
MAI		*					
PCC							
PLA							
SMART							
Springboard		**			*		
UNIV 100		**	*				*
UNIV 131							
UPAS		(*)					

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 14.3. Three-Year Retention Rates
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
AIMS						
Arts Village						
BA 150						
Bachelor Music						
BGeX						**
BG Effect						
Chapman	**					
HSRC						
Honors						
Literacy Serve and Learn			*			**
Multicultural and Academic Initiatives						
Partners in Context and Community						
President's Leadership Academy						
SMART						
Springboard	(*)	*				
UNIV 100		*	*	*		
UNIV 131						
UPAS						

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 15.1. Four-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002
AIMS					
Arts Village					
BA 150					
Bachelor Music					
BGeX					
BG Effect					
Chapman					
HSRC					
Honors		**	*	*	
Literacy Serve and Learn					
Multicultural and Academic Initiatives		**			
Partners in Context and Community					
President's Leadership Academy					
SMART					
Springboard		**		**	
UNIV 100			*		
UNIV 131					
UPAS					

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 15.2. Five-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001
AIMS				
Arts Village				
BA 150				
Bachelor Music				
BGeX				
BG Effect				
Chapman	**			
HSRC				
Honors		*		
Literacy Serve and Learn			*	*
Multicultural and Academic Initiatives		*		
Partners in Context and Community				
President's Leadership Academy				
SMART				
Springboard	(*)	**		
UNIV 100		*	**	*
UNIV 131				
UPAS				

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 15.3. Six-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997- 1998	1998- 1999	1999- 2000
AIMS			
Arts Village			
BA 150			
Bachelor Music			
BGeX			
BG Effect			
Chapman	**		
HSRC			
Honors		*	
Literacy Serve and Learn			*
Multicultural and Academic Initiatives		**	
Partners in Context and Community			
President's Leadership Academy			
SMART			
Springboard		**	
UNIV 100		*	**
UNIV 131			
UPAS			

Note: * $p \leq .05$ and ** $p \leq .01$. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 16.1. Cumulative Grade Point Averages After the First Year
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
AIMS					(**)				
Arts Village							*	*	(*)
BA 150									
Bachelor Music					*	**	*		
BGeX									
BG Effect									
Chapman	**	*	**	**	**				**
HSRC				(*)			(*)		
Honors	**	**	*	**	**	**	*	**	*
Literacy Serve and Learn			*	*		*	**	*	**
MAI									
PCC						*	*		
PLA									*
SMART									
Springboard		*	*	*		*			
UNIV 100		*	**	*	*	**	*	**	**
UNIV 131								*	*
UPAS		*	**	**		**		**	**

Note: * p <= .05 and ** p <= .01. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 16.2. Cumulative Grade Point Averages After the Second Year
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS								
Arts Village							*	
BA 150								(**)
Bachelor Music								
BGeX								
BG Effect		*						
Chapman	*				**			
HSRC				(**)		*		
Honors	**	**	**	**	**	**	**	**
Literacy Serve and Learn			**	**		**	**	
MAI		*						*
Partners in Context and Community						*		
President's Leadership Academy								
SMART						(**)		(*)
Springboard				*	(**)			
UNIV 100				*		**		**
UNIV 131								*
UPAS								

Note: * p <= .05 and ** p <= .01. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 16.3. Cumulative Grade Point Averages After the Third Year
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002	2002- 2003	2003- 2004
AIMS					(**)		
Arts Village							
BA 150							
Bachelor Music						*	
BGeX							
BG Effect							
Chapman					**		
HSRC				(**)			
Honors	**	**	**	**	**	**	**
Literacy Serve and Learn			**	**			**
Multicultural and Academic Initiatives		*					
Partners in Context and Community						*	
President's Leadership Academy							
SMART						(**)	
Springboard					(*)		
UNIV 100				**		**	*
UNIV 131							
UPAS							

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 16.4. Cumulative Grade Point Averages After the Fourth Year
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002
AIMS					
Arts Village					
BA 150					
Bachelor Music					
BGeX					
BG Effect					
Chapman					
HSRC					
Honors	**	**	**	**	
Literacy Serve and Learn			**	**	
Multicultural and Academic Initiatives		**			
Partners in Context and Community					
President's Leadership Academy			(*)		
SMART					
Springboard					(*)
UNIV 100				**	
UNIV 131					
UPAS					

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 17.1. Cumulative Student Credit Hours Earned After the First Year
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
AIMS									
Arts Village								*	
BA 150									
Bachelor Music									
BGeX									
BG Effect									
Chapman	**		**						
HSRC									
Honors	**	**	**		**	**	**	**	**
Literacy Serve and Learn			**						*
MAI				**					
PCC							**		
PLA							*		**
SMART									
Springboard							(*)	(*)	
UNIV 100									
UNIV 131									
UPAS									

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 17.2. Cumulative Student Credit Hours Earned After the Second Year
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS								
Arts Village								
BA 150								(*)
Bachelor Music					**	*		
BGeX								
BG Effect								
Chapman								
HSRC								
Honors	**	**	**	**	**	**	**	**
Literacy Serve and Learn			*	*				
MAI		**	*					
PCC								
President's Leadership Academy							**	
SMART								
Springboard								
UNIV 100					(**)			
UNIV 131								
UPAS		(*)			(**)			(*)

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 17.3. Cumulative Student Credit Hours Earned After the Third Year
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004
AIMS					(*)		
Arts Village							
BA 150							
Bachelor Music					**	**	
BGeX							
BG Effect					(**)		
Chapman					*		
HSRC							
Honors	**	**	**	**	**	**	**
Literacy Serve and Learn				*		*	**
Multicultural and Academic Initiatives			*				
Partners in Context and Community						**	*
President's Leadership Academy							
SMART							
Springboard							
UNIV 100							
UNIV 131							
UPAS					(**)	(**)	

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 17.4. Cumulative Student Credit Hours Earned After the Fourth Year
Summary of Significant Program Effects After Controlling for Race, and High School GPA
and Examining the Interaction of Program Participation and Gender**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002
AIMS					
Arts Village					
BA 150					
Bachelor Music					**
BGeX					
BG Effect					(*)
Chapman					*
HSRC					
Honors	**		*		*
Literacy Serve and Learn			**	*	
Multicultural and Academic Initiatives		**			
Partners in Context and Community					
President's Leadership Academy					
SMART					
Springboard					
UNIV 100					
UNIV 131					
UPAS					

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

Table 18.1. One-Year Retention Rates
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS								
Arts Village								
BA 150								
Bachelor Music								
BGeX								
BG Effect								
Chapman			*					
HSRC								
Honors								
Literacy Serve and Learn								
MAI				*				*
PCC								
PLA								
SMART							**	
Springboard			*		*			
UNIV 100								
UNIV 131								
UPAS				**				

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

Table 18.2. Two-Year Retention Rates
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004
AIMS							
Arts Village							
BA 150							
Bachelor Music							
BGeX							
BG Effect							
Chapman	*						
HSRC							
Honors							
Literacy Serve and Learn							
MAI							
PCC							
PLA							
SMART							**
Springboard			*				
UNIV 100					*		
UNIV 131							
UPAS							

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

Table 18.3. Three-Year Retention Rates
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
AIMS						
Arts Village						
BA 150						
Bachelor Music						
BGeX						
BG Effect						
Chapman	*					
HSRC					(*)	
Honors						
Literacy Serve and Learn						
Multicultural and Academic Initiatives						
Partners in Context and Community						
President's Leadership Academy						*
SMART						
Springboard					*	
UNIV 100						
UNIV 131						
UPAS						

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

Table 19.1. Four-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002
AIMS					
Arts Village					
BA 150					
Bachelor Music					
BGeX					
BG Effect					
Chapman			(*)		
HSRC					
Honors			*		
Literacy Serve and Learn					
Multicultural and Academic Initiatives		*			
Partners in Context and Community					
President's Leadership Academy					
SMART					
Springboard					
UNIV 100					
UNIV 131					
UPAS					

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 19.2. Five-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001
AIMS				
Arts Village				
BA 150				
Bachelor Music				
BGeX				
BG Effect				
Chapman				
HSRC				
Honors		(**)		
Literacy Serve and Learn				
Multicultural and Academic Initiatives				
Partners in Context and Community				
President's Leadership Academy				
SMART				
Springboard				
UNIV 100				
UNIV 131				
UPAS				

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 19.3. Six-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race**

	1997- 1998	1998- 1999	1999- 2000
AIMS			
Arts Village			
BA 150			
Bachelor Music			
BGeX			
BG Effect			
Chapman	*		
HSRC			
Honors		(*)	
Literacy Serve and Learn			
Multicultural and Academic Initiatives			
Partners in Context and Community			
President's Leadership Academy			
SMART			
Springboard			
UNIV 100			
UNIV 131			
UPAS			

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 20.1. Cumulative Grade Point Averages After the First Year
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
AIMS									
Arts Village									
BA 150									
Bachelor Music									
BGeX									
BG Effect									
Chapman	**								
HSRC					(**)				
Honors	*		**		*			**	
Literacy Serve and Learn								*	*
MAI				**				*	**
PCC							*		
PLA									
SMART									
Springboard			*						
UNIV 100								**	
UNIV 131									
UPAS				*	(*)				

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 20.2. Cumulative Grade Point Averages After the Second Year
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS								
Arts Village								
BA 150								
Bachelor Music					*			
BGeX						*		
BG Effect								
Chapman								
HSRC								
Honors	**	*	**	*				**
Literacy Serve and Learn								*
MAI							*	*
Partners in Context and Community								
President's Leadership Academy								(**)
SMART								
Springboard				*				(*)
UNIV 100				*				
UNIV 131								
UPAS								

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 20.3. Cumulative Grade Point Averages After the Third Year
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004
AIMS							
Arts Village							
BA 150							
Bachelor Music					*		
BGeX						*	
BG Effect							
Chapman			(*)				
HSRC					(**)		
Honors	*		**	*			*
Literacy Serve and Learn							
Multicultural and Academic Initiatives							**
Partners in Context and Community							
President's Leadership Academy			(*)				
SMART						(*)	
Springboard							
UNIV 100		(*)		*			
UNIV 131							
UPAS					(**)		

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 20.4. Cumulative Grade Point Averages After the Fourth Year
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002
AIMS					
Arts Village					
BA 150					
Bachelor Music					*
BGeX					
BG Effect					
Chapman					
HSRC		(*)			
Honors			**		
Literacy Serve and Learn				*	
Multicultural and Academic Initiatives		*			
Partners in Context and Community					
President's Leadership Academy			(*)		
SMART					
Springboard				*	
UNIV 100				*	
UNIV 131					
UPAS					

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 21.1. Cumulative Student Credit Hours Earned After the First Year
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
AIMS									
Arts Village									
BA 150									
Bachelor Music									
BGeX									
BG Effect									
Chapman	**								
HSRC					(**)				
Honors			*	**	**	**		**	
Literacy Serve and Learn					**				
MAI									
PCC									
PLA							**		*
SMART									
Springboard					**				
UNIV 100									
UNIV 131									
UPAS									

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 21.2. Cumulative Student Credit Hours Earned After the Second Year
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS								
Arts Village								
BA 150								
Bachelor Music								
BGeX								*
BG Effect								
Chapman								
HSRC								
Honors			**	**	**	**		**
Literacy Serve and Learn								
MAI					(**)			
PCC								
President's Leadership Academy							**	(**)
SMART								
Springboard					*			
UNIV 100								
UNIV 131								
UPAS					(**)			(*)

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 21.3. Cumulative Student Credit Hours Earned After the Third Year
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002	2002- 2003	2003- 2004
AIMS							
Arts Village							
BA 150							
Bachelor Music							
BGeX							
BG Effect							
Chapman							
HSRC					(**)		
Honors			**	**	**		
Literacy Serve and Learn							
Multicultural and Academic Initiatives							
Partners in Context and Community							*
President's Leadership Academy							
SMART							
Springboard							
UNIV 100							
UNIV 131							
UPAS					(**)		

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 21.4. Cumulative Student Credit Hours Earned After the Fourth Year
Summary of Significant Program Effects After Controlling for Gender, and High School GPA
and Examining the Interaction of Program Participation and Race**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002
AIMS					
Arts Village					
BA 150					
Bachelor Music					
BGeX					
BG Effect					
Chapman					
HSRC					
Honors			*	*	
Literacy Serve and Learn					
Multicultural and Academic Initiatives					
Partners in Context and Community					
President's Leadership Academy					
SMART					
Springboard					
UNIV 100					
UNIV 131					
UPAS					(**)

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

Tabel 22.1. One-Year Retention Rates
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS								
Arts Village								(*)
BA 150								
Bachelor Music							*	
BGeX								
BG Effect								
Chapman							*	
HSRC								
Honors		**	**	**	**	**	**	**
Literacy Serve and Learn			*		*	*		
MAI								
PCC								
PLA								
SMART								
Springboard								
UNIV 100							*	
UNIV 131								
UPAS								

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

Tabel 22.2. Two-Year Retention Rates
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004
AIMS							
Arts Village							
BA 150							
Bachelor Music							
BGeX							
BG Effect							
Chapman							
HSRC							
Honors		**	**	**	**	**	**
Literacy Serve and Learn			*			**	*
MAI							
PCC							
PLA							
SMART							*
Springboard							
UNIV 100							
UNIV 131							
UPAS							

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

Table 22.3. Three-Year Retention Rates
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
AIMS						
Arts Village						
BA 150						
Bachelor Music						
BGeX						
BG Effect						
Chapman						
HSRC						
Honors		**	**	**	*	**
Literacy Serve and Learn			*		*	**
Multicultural and Academic Initiatives						
Partners in Context and Community						
President's Leadership Academy						
SMART						
Springboard						
UNIV 100				*		
UNIV 131						
UPAS						

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

Table 23.1. Four-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002
AIMS					
Arts Village					
BA 150					
Bachelor Music					
BGeX					
BG Effect					
Chapman		*			
HSRC					
Honors	**	**	**	**	**
Literacy Serve and Learn					
Multicultural and Academic Initiatives					
Partners in Context and Community					
President's Leadership Academy					
SMART					
Springboard					
UNIV 100					(**)
UNIV 131					
UPAS					

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 23.2. Five-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001
AIMS				
Arts Village				
BA 150				
Bachelor Music				
BGeX				
BG Effect				(*)
Chapman				
HSRC				
Honors	**	**	**	**
Literacy Serve and Learn			**	
Multicultural and Academic Initiatives				
Partners in Context and Community				
President's Leadership Academy				
SMART				
Springboard		*		
UNIV 100				*
UNIV 131				
UPAS				

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 23.3. Six-Year Graduation Rates
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA**

	1997- 1998	1998- 1999	1999- 2000
AIMS			
Arts Village			
BA 150			
Bachelor Music			
BGeX			
BG Effect			
Chapman			
HSRC			
Honors	*	**	**
Literacy Serve and Learn			**
Multicultural and Academic Initiatives			
Partners in Context and Community			
President's Leadership Academy			
SMART			
Springboard			
UNIV 100			
UNIV 131			
UPAS			

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 24.1. Cumulative Grade Point Averages After the First Year
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
AIMS									
Arts Village									
BA 150									
Bachelor Music					*		*		
BGeX									
BG Effect									
Chapman	**			*	*				*
HSRC							(*)		
Honors	**	**	**	**	**	**	**	**	**
Literacy Serve and Learn				*		*	*		**
MAI				*		(*)	**		**
PCC							**		
PLA									
SMART									
Springboard			*						
UNIV 100						*	**		
UNIV 131									
UPAS		(*)			(*)				

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 24.2. Cumulative Grade Point Averages After the Second Year
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS								
Arts Village								
BA 150							(**)	
Bachelor Music								
BGeX								
BG Effect								
Chapman					*			
HSRC								
Honors	**	**	**	**	**	**	**	**
Literacy Serve and Learn			*	**		**	*	
MAI							*	
Partners in Context and Community							*	
President's Leadership Academy		(*)						
SMART						(**)		
Springboard								
UNIV 100						*		
UNIV 131								
UPAS					(**)	(**)		

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 24.3. Cumulative Grade Point Averages After the Third Year
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002	2002- 2003	2003- 2004
AIMS					(**)		
Arts Village							
BA 150							(**)
Bachelor Music							**
BGeX							
BG Effect							
Chapman							
HSRC					(*)		
Honors	**	**	**	**	**	**	**
Literacy Serve and Learn			**	**			*
Multicultural and Academic Initiatives							**
Partners in Context and Community					**		
President's Leadership Academy							
SMART						(*)	
Springboard							
UNIV 100						**	*
UNIV 131							
UPAS						(**)	

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 24.4. Cumulative Grade Point Averages After the Fourth Year
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002
AIMS					(*)
Arts Village					
BA 150					
Bachelor Music					*
BGeX					
BG Effect					
Chapman					
HSRC					
Honors		**	**	**	**
Literacy Serve and Learn			**	**	
Multicultural and Academic Initiatives		**			
Partners in Context and Community					*
President's Leadership Academy					
SMART					
Springboard					
UNIV 100					
UNIV 131					
UPAS					(*)

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 25.1. Cumulative Student Credit Hours Earned After the First Year
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
AIMS					(*)				
Arts Village									
BA 150									
Bachelor Music						*			
BGeX									
BG Effect									
Chapman						(*)			
HSRC									
Honors	**	**	**	**	**	**	**	**	**
Literacy Serve and Learn			*						
MAI									
PCC							*		
PLA					*				**
SMART									
Springboard								(**)	
UNIV 100	(*)				(**)			(**)	
UNIV 131									
UPAS					(*)				

Note: * p <= .05 and ** p <= .01. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Tabel 25.2. Cumulative Student Credit Hours Earned After the Second Year
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA**

	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
AIMS								
Arts Village								
BA 150								
Bachelor Music					**	**		**
BGeX								
BG Effect								
Chapman					*	(*)		
HSRC								
Honors	**	**	**	**	**	**	**	**
Literacy Serve and Learn			**			*		
MAI								
PCC							*	**
President's Leadership Academy		(*)						
SMART						(*)		
Springboard								
UNIV 100			(*)		(**)			(**)
UNIV 131								
UPAS					(**)	(*)		

Note: * p <= .05 and ** p <= .01. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 25.3. Cumulative Student Credit Hours Earned After the Third Year
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002	2002- 2003	2003- 2004
AIMS					(**)		
Arts Village							
BA 150							
Bachelor Music					**	**	**
BGeX							
BG Effect							
Chapman		*				(*)	
HSRC					(*)		
Honors	**	**	**	**	**	**	**
Literacy Serve and Learn			*			*	**
Multicultural and Academic Initiatives							**
Partners in Context and Community							*
President's Leadership Academy							
SMART							(*)
Springboard							
UNIV 100	(*)						
UNIV 131							
UPAS				(*)	(**)		

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

**Table 25.4. Cumulative Student Credit Hours Earned After the Fourth Year
Summary of Significant Program Effects After Controlling for Gender and Race, and
Examining the Interaction of Program Participation and High School GPA**

	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002
AIMS					
Arts Village					
BA 150					
Bachelor Music					**
BGeX					
BG Effect					
Chapman					*
HSRC					(*)
Honors	**	**	**	**	**
Literacy Serve and Learn			**		
Multicultural and Academic Initiatives					
Partners in Context and Community					
President's Leadership Academy					
SMART					
Springboard					
UNIV 100					
UNIV 131					
UPAS					(**)

Note: * $p \leq .05$ and ** $p \leq .01$. Parentheses indicate negative effects. Shaded cells indicate that the program did not exist and/or was not tracked by the Office of Institutional Research during the indicated years.

The tables above show that females may particularly benefit from participation in the Batchelder Music Community, Chapman Learning Community, the Honors Program, the Literacy Serve and Learn program, and UNIV100 course. Students of color may be more likely to benefit from participation in Honors and the Center for Multicultural and Academic Initiatives. Finally, students with higher high school grade point averages appear to be more likely to benefit from participation in the Batchelder Music Community, Honors, and the Literacy Serve and Learn program.

As for the linear and logistic regression analyses, not every program were included in interaction effects study for each cohort since the number of first year students in some programs for certain cohorts was too small.

5. Income vs. Expense Analysis

Please see the procedures section of the paper for details of the methodology for this set of analyses.

Since the previous analyses were most supportive of the linkage between participation in the program below and one year retention for these programs (see Table 10.1) it was decided to do income vs. expense analyses for the Arts Village in 2004-2005; the Batchelder Music Community in 2004-2005; Honors in 2003-2004, 2004-2005 and 2005-2006; Literacy Serve and Learn in 2002-2003, 2003-2004 and 2005-2006; SMART in 2004-2005; Springboard in 2002-2003 and 2003-2004; and UNIV100 course in 2003-2004 and 2004-2005. The analyses were carried out both for the year immediately after the significantly improved retention rates as well as for the two previous years (which serve as a proxy for a demonstration of the effect of improved retention in subsequent years). The results are shown below.

Table 26
Income vs. Expense Analysis for Arts Village in 2004-2005

Income Gained From Improved Arts Village Retention for the Second Year for the Fall 2003 Cohort:

Arts Village Retention Rate =91.3%

Retention Rate For Students not in this Program = 77.7%

Additional Arts Village Participants Retained = 6

Additional Income Gained from Improved Arts Village Retention (@\$10,700) = \$64,200

One-Year Analysis:

Additional Income Gained from Improved Arts Village Retention = \$64,200

Additional Income Gained From SSI = \$0

Grand Total Income = \$64,200

Program Expenses = \$82,400

Program Net Income = -\$18,200

Program Income/Expense Ratio = 0.8:1

Table 27
Income vs. Expense Analysis for Batchelder Music Community (BMC) in 2004-2005

Income Gained From Improved BMC Retention for the Fourth Year for the Fall 2001 Cohort

BMC Retention Rate = 65.3%

Retention Rate For Students not in this Program = 61.7%

Additional BMC Participants Retained = 4

Additional Income Gained from Improved BMC Retention (@\$10,700) = \$42,800

Income Gained From Improved BMC Retention for the Third Year for the Fall 2002 Cohort

BMC Retention Rate = 60.6%

Retention Rate For Students not in this Program = 67.4%

Additional BMC Participants Retained = -7

Additional Income Gained from Improved BMC Retention (@\$10,700) = -\$74,900

Income Gained From Improved BMC Retention for the Second Year for the Fall 2003 Cohort

BMC Retention Rate = 95.4%

Retention Rate For Students not in this Program = 77.6%

Additional BMC Participants Retained = 12

Additional Income Gained from Improved BMC Retention (@\$10,700) = \$128,400

One-Year Analysis:

Additional Income Gained from Improved BMC Retention = \$128,400

Additional Income Gained From SSI = \$0

Grand Total Income = \$128,400

Program Expenses = \$0

Program Net Income = \$128,400

Three-Year Analysis:

Total Additional Income Gained From Improved BMC Retention = \$96,300

Total Additional Income Gained From SSI = \$0

Grand Total Income = \$96,300

Program Expenses = \$0

Program Net Income = \$96,300

Table 28.1.
Income vs. Expense Analysis for Honors* in 2003-2004

Income Gained From Improved Honors Retention for the Fourth Year for the Fall 2000 Cohort

Honors Retention Rate = 85.6%

Retention Rate For Students not in this Program = 82.7%

Additional Honors Participants Retained = 7

Additional Income Gained from Improved Honors Retention (@\$10,700) = \$74,900

Income Gained From Improved Honors Retention for the Third Year for the Fall 2001 Cohort

Honors Retention Rate = 83.8%

Retention Rate For Students not in this Program = 82.4%

Additional Honors Participants Retained = 3

Additional Income Gained from Improved Honors Retention (@\$10,700) = \$32,100

Income Gained From Improved Honors Retention for the Second Year for the Fall 2002 Cohort

Honors Retention Rate = 91.4%

Retention Rate For Students not in this Program = 84.0%

Additional Honors Participants Retained = 18

Additional Income Gained from Improved Honors Retention (@\$10,700) = \$192,600

One-Year Analysis

Additional Income Gained From Improved Honors Retention = \$192,600

Additional Income Gained From SSI = \$0

Grand Total Income = \$192,600

Program Expenses = \$19,800

Program Net Income = \$172,800

Program Income/Expense Ratio = 9.7:1

Three-Year Analysis

Total Additional Income Gained From Improved Honors Retention = \$299,600

Total Additional Income Gained From SSI = \$0

Grand Total Income = \$299,600

Program Expenses = \$19,800

Program Net Income = \$279,800

Program Income/Expense Ratio = 15.1:1

* Retention rates for the Honors residential program are compared to those of other residential students with an Honors profile.

Table 28.2.
Income vs. Expense Analysis for Honors* in 2004-2005

Income Gained From Improved Honors Retention for the Fourth Year for the Fall 2001 Cohort:

Honors Retention Rate = 77.5%

Retention Rate For Students not in this Program = 81.4%

Additional Honors Participants Retained = -9

Additional Income Gained from Improved Honors Retention (@\$10,700) = -\$96,300

Income Gained From Improved Honors Retention for the Third Year for the Fall 2002 Cohort:

Honors Retention Rate = 87.7%

Retention Rate For Students not in this Program = 77.0%

Additional Honors Participants Retained = 26

Additional Income Gained from Improved Honors Retention (@\$10,700) = \$278,200

Income Gained From Improved Honors Retention for the Second Year for the Fall 2003 Cohort:

Honors Retention Rate = 92.4%

Retention Rate For Students not in this Program = 80.5%

Additional Honors Participants Retained = 27

Additional Income Gained from Improved Honors Retention (@\$10,700) = \$288,900

One-Year Analysis:

Additional Income Gained from Improved Honors Retention = \$288,900

Additional Income Gained From SSI = \$0

Grand Total Income = \$288,900

Program Expenses = \$19,800

Program Net Income = \$269,100

Program Income/ Expense Ratio = 14.6:1

Three-Year Analysis:

Total Additional Income Gained From Improved Honors Retention = \$470,800

Total Additional Income Gained From SSI = \$0

Grand Total Income = \$470,800

Program Expenses = \$19,800

Program Net Income = \$451,000

Program Income/Expense Ratio = 23.8:1

* Retention rates for the Honors residential program are compared to those of other residential students with an Honors profile.

Table 28.3.
Income vs. Expense Analysis for Honors* in 2005-2006

Income Gained From Improved Honors Retention for the Fourth Year for the Fall 2002 Cohort

Honors Retention Rate = 82.8%

Retention Rate For Students not in this Program = 75.0%

Additional Honors Participants Retained = 19

Additional Income Gained from Improved Honors Retention (@\$10,700) = \$203,300

Income Gained From Improved Honors Retention for the Third Year for the Fall 2003 Cohort

Honors Retention Rate = 88.8%

Retention Rate For Students not in this Program = 76.5%

Additional Honors Participants Retained = 27

Additional Income Gained from Improved Honors Retention (@\$10,700) = \$288,900

Income Gained From Improved Honors Retention for the Second Year for the Fall 2004 Cohort

Honors Retention Rate = 93.3%

Retention Rate For Students not in this Program = 92.2%

Additional Honors Participants Retained = 3

Additional Income Gained from Improved Honors Retention (@\$10,700) = \$32,100

One-Year Analysis

Additional Income Gained From Improved Honors Retention = \$32,100

Additional Income Gained From SSI = \$0

Grand Total Income = \$32,100

Program Expenses = \$19,800

Program Net Income = \$12,300

Program Income/Expense Ratio = 1.6:1

Three-Year Analysis

Total Additional Income Gained From Improved Honors Retention = \$524,300

Total Additional Income Gained From SSI = \$0

Grand Total Income = \$524,300

Program Expenses = \$19,800

Program Net Income = \$504,500

Program Income/Expense Ratio = 26.5:1

* Retention rates for the Honors residential program are compared to those of other residential students with an Honors profile.

Table 29.1
Income vs. Expense Analysis for Literacy Serve and Learn in 2002-2003

Income Gained From Improved LSL Retention for the Fourth Year for the Fall 1999 Cohort

LSL Retention Rate = 72.8%

Retention Rate For Students not in this Program = 64.0%

Additional Chapman Participants Retained = 15

Additional Income Gained from Improved LSL Retention (@\$10,700) = \$160,500

Income Gained From Improved LSL Retention for the Third Year for the Fall 2000 Cohort

LSL Retention Rate = 78.2%

Retention Rate For Students not in this Program = 69.2%

Additional Chapman Participants Retained = 9

Additional Income Gained from Improved LSL Retention (@\$10,700) = \$96,300

Income Gained From Improved LSL Retention for the Second Year for the Fall 2001 Cohort

LSL Retention Rate = 79.6%

Retention Rate For Students not in this Program = 73.9%

Additional Chapman Participants Retained = 6

Additional Income Gained from Improved LSL Retention (@\$10,700) = \$64,200

One-Year Analysis

Additional Income Gained From Improved LSL Retention = \$64,200

Additional Income Gained From SSI* = \$11,880

Grand Total Income = \$76,080

Program Expenses = \$44,620

Program Net Income = \$31,460

Program Income/Expense Ratio = 1.7:1

Three-Year Analysis

Total Additional Income Gained From Improved LSL Retention = \$321,000

Total Additional Income Gained From SSI* = \$11,880

Grand Total Income = \$332,880

Program Expenses = \$44,620

Program Net Income = \$288,260

Program Income/Expense Ratio = 7.5:1

* SSI for LSL includes EDHD 100 and EDHD 200

* SSI is based on 2003 rates

Table 29.2
Income vs. Expense Analysis for Literacy Serve and Learn in 2003-2004

Income Gained From Improved LSL Retention for the Fourth Year for the Fall 2000 Cohort

LSL Retention Rate = 74.3%

Retention Rate For Students not in this Program = 65.0%

Additional LSL Participants Retained = 9

Additional Income Gained from Improved LSL Retention (@\$10,700) = \$96,300

Income Gained From Improved LSL Retention for the Third Year for the Fall 2001 Cohort

LSL Retention Rate = 69.4%

Retention Rate For Students not in this Program = 65.8%

Additional LSL Participants Retained = 4

Additional Income Gained from Improved LSL Retention (@\$10,700) = \$42,800

Income Gained From Improved LSL Retention for the Second Year for the Fall 2002 Cohort

LSL Retention Rate = 89.0%

Retention Rate For Students not in this Program = 73.8%

Additional LSL Participants Retained = 11

Additional Income Gained from Improved LSL Retention (@\$10,700) = \$117,700

One-Year Analysis

Additional Income Gained From Improved LSL Retention = \$117,700

Additional Income Gained From SSI* = \$5,077

Grand Total Income = \$122,777

Program Expenses = \$44,600

Program Net Income = \$78,177

Program Income/Expense Ratio = 2.8:1

Three-Year Analysis

Total Additional Income Gained From Improved LSL Retention = \$256,800

Total Additional Income Gained From SSI* = \$5,077

Grand Total Income = \$261,877

Program Expenses = \$44,600

Program Net Income = \$217,277

Program Income/Expense Ratio = 5.9:1

* SSI for LSL includes EDHD 100 and EDHD 200

* SSI is based on 2003 rates

Table 29.3
Income vs. Expense Analysis for Literacy Serve and Learn in 2005-2006

Income Gained From Improved LSL Retention for the Fourth Year for the Fall 2002 Cohort

LSL Retention Rate = 84.9%

Retention Rate For Students not in this Program = 62.8%

Additional LSL Participants Retained = 16

Additional Income Gained from Improved LSL Retention (@\$10,700) = \$171,200

Income Gained From Improved LSL Retention for the Third Year for the Fall 2003 Cohort

LSL Retention Rate = 80.0%

Retention Rate For Students not in this Program = 69.1%

Additional LSL Participants Retained = 10

Additional Income Gained from Improved LSL Retention (@\$10,700) = \$107,000

Income Gained From Improved LSL Retention for the Second Year for the Fall 2004 Cohort

LSL Retention Rate = 86.6%

Retention Rate For Students not in this Program = 78.9%

Additional LSL Participants Retained = 11

Additional Income Gained from Improved LSL Retention (@\$10,700) = \$117,700

One-Year Analysis

Additional Income Gained From Improved LSL Retention = \$117,700

Additional Income Gained From SSI* = \$11,831

Grand Total Income = \$129,531

Program Expenses = \$45,150

Program Net Income = \$84,381

Program Income/Expense Ratio = 2.9:1

Three-Year Analysis

Total Additional Income Gained From Improved LSL Retention = \$395,900

Total Additional Income Gained From SSI* = \$11,831

Grand Total Income = \$407,731

Program Expenses = \$45,150

Program Net Income = \$362,581

Program Income/Expense Ratio = 9.0:1

* SSI for LSL includes EDHD 100 and EDHD 200

* SSI is based on 2003 rates

Table 30
Income vs. Expense Analysis for SMART* in 2004-2005

Income Gained From Improved SMART Retention for the Fourth Year for the Fall 2001 Cohort

SMART Retention Rate = 74.4%

Retention Rate For Students not in this Program = 59.5%

Additional SMART Participants Retained = 12

Additional Income Gained from Improved SMART Retention (@\$10,700) = \$128,400

Income Gained From Improved SMART Retention for the Third Year for the Fall 2002 Cohort

SMART Retention Rate = 72.2%

Retention Rate For Students not in this Program = 62.1%

Additional SMART Participants Retained = 10

Additional Income Gained from Improved SMART Retention (@\$10,700) = \$107,000

Income Gained From Improved SMART Retention for the Second Year for the Fall 2003 Cohort

SMART Retention Rate = 89.1%

Retention Rate For Students not in this Program = 77.4%

Additional SMART Participants Retained = 12

Additional Income Gained from Improved SMART Retention (@\$10,700) = \$128,400

One-Year Analysis:

Additional Income Gained From Improved SMART Retention = \$128,400

Additional Income Gained From SSI* = \$0

Grand Total Income = \$128,400

Program Expenses = \$55,000

Program Net Income = \$73,400

Program Income/Expense Ratio = 2.3:1

Three-Year Analysis:

Total Additional Income Gained From Improved SMART Retention = \$363,800

Total Additional Income Gained From SSI = \$0

Grand Total Income = \$363,800

Program Expenses = \$55,000

Program Net Income = \$308,800

Program Income/Expense Ratio = 6.6:1

* Retention rates for the SMART program are compared to those of other residential students of color.

Table 31.1
Income vs. Expense Analysis for Springboard in 2002-2003

Income Gained From Improved Springboard for the Fourth Year for the Fall 1999 Cohort

Springboard Retention Rate = 67.9%

Retention Rate For Students not in this Program = 64.2%

Additional Springboard Participants Retained = 10

Additional Income Gained from Improved Springboard Retention (@\$10,700) = \$107,000

Income Gained From Improved Springboard Retention for the Third Year for the Fall 2000 Cohort

Springboard Retention Rate = 69.4%

Retention Rate For Students not in this Program = 69.4%

Additional Springboard Participants Retained = 0

Additional Income Gained from Improved Springboard Retention (@\$10,700) = \$0

Income Gained From Improved Springboard Retention for the Second Year for the Fall 2001 Cohort

Springboard Retention Rate = 79.3%

Retention Rate For Students not in this Program = 73.6%

Additional Springboard Participants Retained = 17

Additional Income Gained from Improved Springboard Retention (@\$10,700) = \$181,900

One-Year Analysis

Additional Income Gained From Improved Springboard Retention = \$181,900

Additional Income Gained From SSI* = \$62,928

Grand Total Income = \$244,828

Program Expenses = \$125,993

Program Net Income = \$118,835

Program Income/Expense Ratio = 1.9:1

Three-Year Analysis

Total Additional Income Gained From Improved Springboard Retention = \$288,900

Total Additional Income Gained From SSI* = \$62,928

Grand Total Income = \$351,828

Program Expenses = \$125,993

Program Net Income = \$225,835

Program Income/Expense Ratio = 2.8:1

* SSI for Springboard includes Springboard 2002-2003 and UNIV301 2002-2003

* SSI is based on 2003 rates

Table 31.2
Income vs. Expense Analysis for Springboard in 2003-2004

Income Gained From Improved Springboard for the Fourth Year for the Fall 2000 Cohort

Springboard Retention Rate = 65.5%

Retention Rate For Students not in this Program = 65.3%

Additional Springboard Participants Retained = 1

Additional Income Gained from Improved Springboard Retention (@\$10,700) = \$10,700

Income Gained From Improved Springboard Retention for the Third Year for the Fall 2001 Cohort

Springboard Retention Rate = 69.6%

Retention Rate For Students not in this Program = 65.6%

Additional Springboard Participants Retained = 12

Additional Income Gained from Improved Springboard Retention (@\$10,700) = \$128,400

Income Gained From Improved Springboard Retention for the Second Year for the Fall 2002 Cohort

Springboard Retention Rate = 74.5%

Retention Rate For Students not in this Program = 74.1%

Additional Springboard Participants Retained = 1

Additional Income Gained from Improved Springboard Retention (@\$10,700) = \$10,700

One-Year Analysis

Additional Income Gained From Improved Springboard Retention = \$10,700

Additional Income Gained From SSI* = \$40,042

Grand Total Income = \$50,742

Program Expenses = \$101,556

Program Net Income = -\$50,814

Program Income/Expense Ratio = 0.5:1

Three-Year Analysis

Total Additional Income Gained From Improved Springboard Retention = \$149,800

Total Additional Income Gained From SSI* = \$40,042

Grand Total Income = \$189,842

Program Expenses = \$101,556

Program Net Income = \$88,286

Program Income/Expense Ratio = 1.9:1

* SSI for Springboard includes Springboard 2003-2004 and UNIV411 2003-2004

* SSI is based on 2003 rates

Table 32.1
Income vs. Expense Analysis for UNIV100 in 2003-2004

Income Gained From Improved UNIV100 Retention for the Fourth Year for the Fall 2000 Cohort

UNIV100 Retention Rate = 64.5%

Retention Rate For Students not in this Program = 65.5%

Additional UNIV100 Participants Retained = -7

Additional Income Gained from Improved UNIV100 Retention (@\$10,700) = -\$74,900

Income Gained From Improved UNIV100 Retention for the Third Year for the Fall 2001 Cohort

UNIV100 Retention Rate = 60.8%

Retention Rate For Students not in this Program = 67.4%

Additional UNIV100 Participants Retained = -56

Additional Income Gained from Improved UNIV100 Retention (@\$10,700) = -\$599,200

Income Gained From Improved UNIV100 Retention for the Second Year for the Fall 2002 Cohort

UNIV100 Retention Rate = 75.6%

Retention Rate For Students not in this Program = 73.7%

Additional UNIV100 Participants Retained = 17

Additional Income Gained from Improved UNIV100 Retention (@\$10,700) = \$181,900

One-Year Analysis

Additional Income Gained From Improved UNIV100 Retention = \$181,900

Additional Income Gained From SSI* = \$76,735

Grand Total Income = \$258,635

Program Expenses = \$68,116

Program Net Income = \$190,519

Program Income/Expense Ratio = 3.8:1

Three-Year Analysis

Total Additional Income Gained From Improved UNIV100 Retention = -\$492,200

Total Additional Income Gained From SSI* = \$76,735

Grand Total Income = -\$415,465

Program Expenses = \$68,116

Program Net Income = -\$483,581

Program Income/Expense Ratio = -6.1:1

* SSI is based on 2003 rates

Table 32.2
Income vs. Expense Analysis for UNIV100 in 2004-2005

Income Gained From Improved UNIV100 Retention for the Fourth Year for the Fall 2001 Cohort

UNIV100 Retention Rate = 57.3%

Retention Rate For Students not in this Program = 63.2%

Additional UNIV100 Participants Retained = -50

Additional Income Gained from Improved UNIV100 Retention (@\$10,700) = -\$535,000

Income Gained From Improved UNIV100 Retention for the Third Year for the Fall 2002 Cohort

UNIV100 Retention Rate = 67.9%

Retention Rate For Students not in this Program = 67.0%

Additional UNIV100 Participants Retained = 8

Additional Income Gained from Improved UNIV100 Retention (@\$10,700) = \$85,600

Income Gained From Improved UNIV100 Retention for the Second Year for the Fall 2003 Cohort

UNIV100 Retention Rate = 79.6%

Retention Rate For Students not in this Program = 77.3%

Additional UNIV100 Participants Retained = 21

Additional Income Gained from Improved UNIV100 Retention (@\$10,700) = \$224,700

One-Year Analysis:

Additional Income Gained From Improved UNIV100 Retention = \$224,700

Additional Income Gained From SSI* = \$85,836

Grand Total Income = \$310,536

Program Expenses = \$75,118

Program Net Income = \$235,418

Program Income/Expense Ratio = 4:1

Three-Year Analysis:

Total Additional Income Gained From Improved UNIV100 Retention = -\$224,700

Total Additional Income Gained From SSI* = \$85,836

Grand Total Income = -\$138,864

Program Expenses = \$75,118

Program Net Income = -\$213,982

Program Income/Expense Ratio = -1.8:1

* * SSI is based on 2003 rates

The incomes to expense ratios were favorable for BMC, Honors, LSL, and SMART for one year as well as for three years subsequent to improved retention rates, but only for one year subsequent to improved retention rates for UNIV 100. The ratios were favorable for Springboard in 2002-2003, but only for three years subsequent to improved retention rates in 2003-2004. Arts Village had a net loss of \$18,200 in 2004-2005.

Although they were not included in the income and expense analyses, renovation expenses of \$120,000 for Arts Village and \$225,000 for Honors should also be noted.

CONCLUSION AND RECOMMENDATIONS

This study repeated a Spring 2002 study that investigated the effects of learning communities and first year programs upon retention, graduation, cumulative GPA and cumulative credit hours earned. Despite the formative nature of this study and the several caveats that must be observed, its substantive conclusions are that (1) all 18 learning communities and first year programs in this study are associated with positive outcome at least one time. (2) The Bachelor Music Community, the Chapman Learning Community, the Honors Program, the Literacy Serve and Learn Program, the Springboard Program, and UNIV100 course are more likely to show positive effects towards the outcomes than the others; and (3) The Honors Program as well as the Literacy Serve and Learn Program are contributing most towards the outcomes at this time. A closer examination of the objectives and activities of these programs may suggest some best practices that could be adopted more widely among other programs.

The outcomes highlighted in this study seemed appropriate to include given the program objectives and the availability of the data; they are not necessarily the only ones being achieved by the programs. Readers are reminded that (1) several assumptions were made as the procedures were carried out and other results may have been reached if different approaches were followed; (2) statistical control for the effects of some potentially confounding background variables on student outcomes, while helpful, should not lead to the conclusion on a cause and effect relationship; there may well be underlying motivational factors that lead to self-selection of students into these programs that could not be taken into account by the study; (3) The number of participants in the programs may have affected the results; this may have been the case with the programs where the small number of participants may have kept the differences in retention rates and grade point averages from rising to the level of statistical significance. (4) It became clear in the course of the study that a more comprehensive and systematic approach to assessment should be pursued. (5) As the Office of Institutional Research released its report of the results of this assessment, it worked to make clear that the assessment should be taken as formative and single point in time report, rather than a definitive set of findings upon which important decisions about the continuance of the programs and resource allocation should be made.

The staff of the Office of Institutional Research looks forward to continuing to carry out these feedback efforts and to providing decision support in a variety of contexts. Questions, concerns, and ideas for improvement are always welcome.

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APPENDIX A

Table 1
Summary of Logistic Regression Analysis Predicting One-Year Retention After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.49	0.31	2.42	0.61
Chapman Learning Community	1.20	0.36	10.98**	3.31
Honors	0.34	0.30	1.31	1.41
Multicultural and Academic Initiatives	-0.13	0.40	0.10	0.88
Springboard	-1.17	0.75	2.40	0.31
UNIV 100	0.22	0.14	2.60	1.25
UNIV 131	0.43	0.25	3.01	1.54
<u>Fall 1998 Cohort</u>				
BG Effect	-0.32	0.30	1.12	0.73
Chapman Learning Community	0.63	0.31	4.20*	1.88
Health Sciences Residential Community	0.05	0.30	0.03	1.06
Honors	0.53	0.27	4.05*	1.71
Multicultural and Academic Initiatives	0.58	0.31	3.47	1.78
President's Leadership Academy	0.41	0.78	0.29	1.51
Springboard	0.52	0.18	7.95**	1.68
UNIV 100	0.22	0.11	3.89*	1.25
University Program for Academic Success	-0.28	0.20	1.88	0.76
<u>Fall 1999 Cohort</u>				
BG Effect	-0.18	0.38	0.23	0.83
Chapman Learning Community	0.74	0.20	13.12**	2.09
Health Sciences Residential Community	0.28	0.32	0.80	1.33
Honors	0.18	0.24	0.55	1.20
Literacy Serve and Learn	0.37	0.22	2.90	1.45
Multicultural and Academic Initiatives	-0.16	0.41	0.16	0.85
President's Leadership Academy	1.24	1.04	1.43	3.46
Springboard	0.50	0.18	7.43**	1.65
UNIV 100	0.29	0.11	6.56*	1.34
University Program for Academic Success	-0.03	0.17	0.03	0.97
<u>Fall 2000 Cohort</u>				
BG Effect	-0.11	0.42	0.06	0.90
Chapman Learning Community	0.21	0.20	1.16	1.24
Health Sciences Residential Community	-0.08	0.38	0.04	0.93
Honors	0.48	0.27	3.22	1.62
Literacy Serve and Learn	0.26	0.27	0.94	1.30
Multicultural and Academic Initiatives	0.56	0.30	3.45	1.75
President's Leadership Academy	0.59	0.76	0.60	1.81
Springboard	0.09	0.16	0.32	1.09
UNIV 100	0.22	0.12	3.55	1.25
University Program for Academic Success	0.24	0.19	1.67	1.27

Fall 2001 Cohort

Academic Investment in Math and Science	0.13	0.83	0.02	0.88
Batchelder Music Community	0.13	0.26	0.23	0.88
BG Effect	-0.32	0.69	0.21	1.38
Chapman Learning Community	0.31	0.21	2.28	0.73
Health Sciences Residential Community	-0.31	0.32	0.96	1.36
Honors	0.12	0.23	0.28	0.88
Literacy Serve and Learn	0.57	0.28	4.09*	0.57
Multicultural and Academic Initiatives	0.15	0.31	0.22	0.86
Partners in Context & Community	0.81	0.79	1.05	0.44
President's Leadership Academy	19.70	10435.17	0.00	0.00
Springboard	0.65	0.17	15.64**	0.52
UNIV 100	0.15	0.10	2.17	0.86
University Program for Academic Success	0.00	0.15	0.00	1.00

Fall 2002 Cohort

Academic Investment in Math and Science	19.91	9907.10	0.00	443637436.89
Batchelder Music Community	0.13	0.24	0.28	1.13
BG Experience	0.22	0.26	0.74	1.25
Chapman Learning Community	0.44	0.29	2.27	1.55
Health Sciences Residential Community	-0.16	0.33	0.23	0.85
Honors	0.72	0.25	7.98**	2.05
Literacy Serve and Learn	0.95	0.38	6.22*	2.60
Multicultural and Academic Initiatives	-0.05	0.35	0.02	0.95
Partners in Context & Community	0.52	0.56	0.87	1.68
President's Leadership Academy	1.77	1.06	2.79	5.89
SMART	0.25	0.30	0.72	1.29
Springboard	0.47	0.15	9.59**	1.61
UNIV 100	0.25	0.10	6.65**	1.28
University Program for Academic Success	0.13	0.15	0.75	1.14

Fall 2003 Cohort

Academic Investment in Math and Science	19.30	9277.01	0.00	242071530.12
Arts Village	1.13	0.53	4.48*	3.08
BA 150	0.28	0.18	2.51	1.32
Batchelder Music Community	1.67	0.60	7.79**	5.31
BG Connections	-0.35	0.22	2.54	0.70
BG Experience	0.10	0.17	0.31	1.10
Chapman Learning Community	-0.01	0.21	0.00	0.99
Health Sciences Residential Community	0.04	0.28	0.03	1.05
Honors	0.54	0.27	3.91*	1.72
Literacy Serve and Learn	0.41	0.32	1.66	1.51
Multicultural and Academic Initiatives	0.31	0.27	1.32	1.36
Partners in Context & Community	0.70	0.48	2.10	2.02
President's Leadership Academy	0.95	1.06	0.81	2.60
SMART	0.99	0.36	7.68**	2.69
Springboard	0.26	0.17	2.38	1.30
UNIV 100	0.36	0.11	11.23**	1.43
UNIV 131	-0.08	0.35	0.06	0.92
University Program for Academic Success	-0.07	0.16	0.18	0.93

Fall 2004 Cohort

Academic Investment in Math and Science	1.04	1.18	3.09	0.28
Arts Village	-0.32	0.32	1.00	0.73
BA 150	0.15	0.16	0.89	1.16
Batchelder Music Community	0.31	0.33	0.88	1.36
BG Connections	0.54	0.65	0.69	1.71
BG Experience	0.16	0.10	2.65	1.17
Chapman Learning Community	0.29	0.25	1.44	1.34
Health Sciences Residential Community	-0.40	0.21	3.44	0.67
Honors	0.68	0.27	6.38*	1.97
La Comunidad	1.13	1.06	1.13	3.08
La Maison Française	0.13	1.14	0.01	1.14
Literacy Serve and Learn	0.58	0.26	4.89*	1.79
Multicultural and Academic Initiatives	0.19	0.24	0.59	1.21
Partners in Context & Community	0.43	0.45	0.91	1.54
President's Leadership Academy	0.04	0.57	0.00	1.04
SMART	0.25	0.28	0.76	1.28
Springboard	0.22	0.17	1.71	1.24
UNIV 100	0.11	0.10	1.24	1.12
UNIV 131	0.26	0.34	0.56	1.29
University Program for Academic Success	0.34	0.17	3.95	1.40

*p <= .05. **p <= .01.

Table 2
Summary of Logistic Regression Analysis Predicting Two-Year Retention After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp(B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.42	0.30	1.99	0.65
Chapman Learning Community	0.85	0.28	9.33**	2.33
Honors	0.11	0.25	0.19	1.12
Multicultural and Academic Initiatives	-0.32	0.37	0.72	0.73
Springboard	-1.16	0.64	3.27	0.32
UNIV 100	0.30	0.13	5.57*	1.35
UNIV 131	0.62	0.23	6.95**	1.85
<u>Fall 1998 Cohort</u>				
BG Effect	-0.14	0.30	0.22	0.87
Chapman Learning Community	0.24	0.24	1.00	1.27
Health Sciences Residential Community	0.14	0.27	0.25	1.15
Honors	0.48	0.22	4.57*	1.61
Multicultural and Academic Initiatives	0.50	0.28	3.28	1.65
President's Leadership Academy	-0.31	0.53	0.33	0.74
Springboard	0.38	0.16	5.91*	1.47
UNIV 100	0.32	0.10	9.76**	1.38
University Program for Academic Success	-0.45	0.19	6.04*	0.63
<u>Fall 1999 Cohort</u>				
BG Effect	-0.38	0.34	1.26	0.68
Chapman Learning Community	0.42	0.16	6.73*	1.52
Health Sciences Learning Community	-0.05	0.26	0.04	0.95
Honors	0.46	0.22	4.30*	1.58
Literacy Serve and Learn	0.34	0.19	3.19	1.40
Multicultural and Academic Initiatives	0.20	0.36	0.30	1.22
President's Leadership Academy	1.22	0.75	2.62	3.39
Springboard	0.32	0.16	4.11*	1.38
UNIV 100	0.11	0.10	1.19	1.12
University Program for Academic Success	0.12	0.16	0.56	1.12
<u>Fall 2000 Cohort</u>				
BG Effect	0.00	0.40	0.00	1.00
Chapman Learning Community	0.00	0.17	0.00	1.00
Health Sciences Residential Community	-0.34	0.33	1.08	0.71
Honors	0.52	0.23	5.07*	1.69
Literacy Serve and Learn	0.45	0.25	3.16	1.56
Multicultural and Academic Initiatives	0.30	0.28	1.14	1.35
President's Leadership Academy	1.01	0.76	1.75	2.75
Springboard	0.23	0.15	2.48	1.26
UNIV 100	0.14	0.10	1.66	1.14
University Program for Academic Success	0.10	0.17	0.33	1.10

Fall 2001 Cohort

Academic Investment in Math and Science	0.51	0.83	0.39	0.60
Batchelder Music Community	0.16	0.25	0.44	0.85
BG Effect	0.08	0.69	0.01	0.93
Chapman Learning Community	-0.08	0.18	0.18	1.08
Health Sciences Residential Community	-0.40	0.30	1.80	1.50
Honors	0.09	0.21	0.17	0.92
Literacy Serve and Learn	0.35	0.24	2.09	0.70
Multicultural and Academic Initiatives	0.41	0.30	1.83	0.67
Partners in Context and Community	0.24	0.63	0.14	0.79
President's Leadership Academy	1.56	1.06	2.17	0.21
Springboard	0.41	0.15	8.15**	0.66
UNIV 100	-0.01	0.09	0.02	1.01
University Program for Academic Success	-0.04	0.14	0.09	1.04

Fall 2002 Cohort

Academic Investment in Math and Science	1.89	1.04	3.28	6.61
Batchelder Music Community	-0.28	0.21	1.68	0.76
BG Experience	0.16	0.24	0.43	0.17
Chapman Learning Community	0.45	0.27	2.78	1.57
Health Sciences Residential Community	0.07	0.33	0.04	1.07
Honors	0.63	0.22	8.39**	1.88
Literacy Serve and Learn	1.00	0.35	8.25**	2.72
Multicultural and Academic Initiatives	-0.27	0.33	0.64	0.77
Partners in Context and Community	0.29	0.48	0.35	1.33
President's Leadership Academy	1.11	0.67	2.72	3.03
SMART	0.39	0.27	2.06	1.48
Springboard	0.46	0.14	10.30**	1.58
UNIV 100	0.18	0.09	4.11*	1.20
University Program for Academic Success	-0.07	0.14	0.20	0.94

Fall 2003 Cohort

Academic Investment in Math and Science	1.52	1.05	2.09	4.55
Arts Village	0.75	0.40	3.53	2.13
BA 150	0.18	0.16	1.28	1.19
Batchelder Music Community	0.39	0.32	1.44	1.47
BG Connections	-0.34	0.20	2.78	0.71
BG Experience	0.19	0.16	1.52	1.21
Chapman Learning Community	0.06	0.20	0.09	1.06
Health Sciences Residential Community	-0.29	0.24	1.47	0.75
Honors	0.54	0.24	5.27*	1.72
Literacy Serve and Learn	0.44	0.29	2.34	1.55
Multicultural and Academic Initiatives	0.10	0.24	0.17	1.11
Partners in Context & Community	0.39	0.39	1.02	1.48
President's Leadership Academy	0.26	0.67	0.15	1.29
SMART	0.97	0.30	10.77**	0.38
Springboard	0.22	0.15	2.06	1.24
UNIV 100	0.22	0.10	5.59*	1.25
UNIV 131	-0.03	0.33	0.01	0.97
University Program for Academic Success	-0.21	0.15	1.92	0.81

*p <= .05. **p <= .01.

Table 3
Summary of Logistic Regression Analysis Predicting Three-Year Retention After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.38	0.29	1.64	0.69
Chapman Learning Community	0.75	0.26	8.65**	2.13
Honors	-0.02	0.23	0.01	0.98
Multicultural and Academic Initiatives	-0.41	0.37	1.23	0.66
Springboard	-0.84	0.63	1.78	0.43
UNIV 100	0.26	0.12	4.42*	1.29
UNIV 131	0.57	0.22	6.81**	1.77
<u>Fall 1998 Cohort</u>				
BG Effect	-0.11	0.30	0.13	0.90
Chapman Learning Community	0.05	0.22	0.06	1.05
Health Sciences Residential Community	0.21	0.26	0.66	1.24
Honors	0.08	0.18	0.19	1.09
Multicultural and Academic Initiatives	0.39	0.27	2.01	1.47
President's Leadership Academy	-0.45	0.49	0.85	0.64
Springboard	0.19	0.15	1.67	1.21
UNIV 100	0.25	0.10	6.59*	1.29
University Program for Academic Success	-0.29	0.18	2.58	0.75
<u>Fall 1999 Cohort</u>				
BG Effect	-0.15	0.34	0.20	1.16
Chapman Learning Community	0.18	0.15	1.46	1.20
Health Sciences Residential Community	0.03	0.26	0.01	1.00
Honors	0.17	0.19	0.81	0.84
Literacy Serve and Learn	0.36	0.18	4.02*	0.70
Multicultural and Academic Initiatives	-0.09	0.36	0.06	1.09
President's Leadership Academy	1.08	0.64	2.83	0.34
Springboard	0.24	0.15	2.56	1.28
UNIV 100	0.19	0.10	3.97*	0.82
University Program for Academic Success	0.00	0.15	0.00	1.00
<u>Fall 2000 Cohort</u>				
BG Effect	-0.39	0.37	1.06	1.47
Chapman Learning Community	0.01	0.17	0.01	0.99
Health Sciences Residential Community	-0.43	0.32	1.85	1.54
Honors	0.41	0.21	3.77	0.67
Literacy Serve and Learn	0.42	0.24	3.09	0.66
Multicultural and Academic Initiatives	0.06	0.27	0.05	0.94
President's Leadership Academy	1.33	0.76	3.07	0.26
Springboard	0.28	0.14	3.70	0.76
UNIV 100	0.22	0.10	4.46*	0.81
University Program for Academic Success	0.08	0.17	0.21	0.93

Fall 2001 Cohort

Academic Investment in Math and Science	0.28	0.73	0.14	0.76
Batchelder Music Community	0.07	0.23	0.09	0.94
BG Effect	-0.18	0.64	0.08	1.19
Chapman Learning Community	-0.07	0.18	0.16	1.08
Health Sciences Residential Community	-0.46	0.30	2.42	1.58
Honors	-0.12	0.19	0.41	1.13
Literacy Serve and Learn	0.47	0.24	3.80	0.62
Multicultural and Academic Initiatives	0.02	0.30	0.00	0.98
Partners in Context and Community	0.41	0.63	0.41	0.67
President's Leadership Academy	1.76	1.06	2.76	0.17
Springboard	0.38	0.14	7.44**	0.68
UNIV 100	0.02	0.09	0.06	0.98
University Program for Academic Success	-0.10	0.14	0.46	1.10

Fall 2002 Cohort

Academic Investment in Math and Science	1.37	0.77	3.19	3.94
Batchelder Music Community	-0.03	0.21	0.02	0.97
BG Experience	0.28	0.23	1.46	1.33
Chapman Learning Community	0.35	0.26	1.83	1.41
Health Sciences Residential Community	-0.09	0.30	0.08	0.92
Honors	0.55	0.19	7.98**	1.73
Literacy Serve and Learn	1.08	0.33	10.39**	2.94
Multicultural and Academic Initiatives	-0.09	0.36	0.06	0.92
Partners in Context and Community	0.49	0.48	1.03	1.63
President's Leadership Academy	1.68	1.78	4.60*	5.37
SMART	0.26	0.26	1.00	1.30
Springboard	0.32	0.13	5.55*	1.37
UNIV 100	0.18	0.09	4.35*	1.20
University Program for Academic Success	-0.06	0.14	0.19	0.94

*p <= .05. **p <= .01.

Table 4
Summary of Logistic Regression Analysis Predicting Four-Year Graduation After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.11	0.30	0.12	0.90
Chapman Learning Community	0.52	0.24	4.74*	1.69
Honors	0.11	0.19	0.30	1.11
Multicultural and Academic Initiatives	-0.28	0.45	0.39	0.75
Springboard	0.10	0.63	0.02	1.10
UNIV 100	-0.07	0.13	0.27	0.94
UNIV 131	-0.15	0.22	0.48	0.86
<u>Fall 1998 Cohort</u>				
BG Effect	0.19	0.37	0.28	1.22
Chapman Learning Community	-0.46	0.27	2.91	0.63
Health Sciences Residential Community	0.55	0.25	4.83*	1.73
Honors	0.50	0.16	10.04**	1.66
Multicultural and Academic Initiatives	0.80	0.36	4.83*	2.23
President's Leadership Academy	-0.22	0.53	0.17	0.80
Springboard	0.28	0.16	3.15	1.32
UNIV 100	0.04	0.10	0.14	1.04
University Program for Academic Success	-0.42	0.27	2.37	0.66
<u>Fall 1999 Cohort</u>				
BG Effect	0.39	0.39	0.99	1.47
Chapman Learning Community	-0.27	0.17	2.44	0.77
Health Sciences Residential Community	0.01	0.26	0.00	1.01
Honors	-0.26	0.16	2.64	0.77
Literacy Serve and Learn	-0.18	0.17	1.11	0.84
Multicultural and Academic Initiatives	0.20	0.46	0.19	1.22
President's Leadership Academy	0.56	0.46	1.47	1.75
Springboard	-0.06	0.17	0.14	0.94
UNIV 100	-0.12	0.11	1.28	0.89
University Program for Academic Success	0.32	0.22	2.16	1.37
<u>Fall 2000 Cohort</u>				
BG Effect	-0.92	0.47	3.78	0.40
Chapman Learning Community	-0.11	0.18	0.35	0.90
Health Sciences Residential Community	0.37	0.32	1.36	1.45
Honors	0.37	0.16	4.96*	1.44
Literacy Serve and Learn	0.08	0.22	0.13	1.08
Multicultural and Academic Initiatives	0.07	0.30	0.05	1.07
President's Leadership Academy	-0.31	0.50	0.37	0.74
Springboard	0.38	0.14	6.83**	1.46
UNIV 100	0.08	0.11	0.56	1.08
University Program for Academic Success	-0.38	0.22	2.86	0.69

Fall 2001 Cohort

Academic Investment in Math and Science	-0.18	0.75	0.06	1.19
Batchelder Music community	-0.19	0.24	0.62	1.20
BG Effect	-0.41	0.64	0.42	1.51
Chapman Learning Community	0.05	0.20	0.06	0.95
Health Sciences Residential Community	-0.12	0.32	0.15	1.13
Honors	0.43	0.17	6.43*	0.65
Literacy Serve and Learn	0.09	0.24	0.14	0.92
Multicultural and Academic Initiatives	-0.29	0.36	0.67	1.34
Partners in Context and Community	-0.53	0.71	0.57	1.71
President's Leadership Academy	0.72	0.59	1.49	0.49
Springboard	0.28	0.14	3.79	0.76
UNIV 100	-0.23	0.10	5.04*	1.26
University Program for Academic Success	-0.34	0.21	2.64	1.41

*p <= .05. **p <= .01.

Table 5
Summary of Logistic Regression Analysis Predicting Five-Year Graduation After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp(B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.44	0.29	2.33	1.54
Chapman Learning Community	0.83	0.24	11.57**	0.44
Honors	0.17	0.23	0.55	0.85
Multicultural and Academic Initiatives	-0.02	0.38	0.00	1.02
Springboard	-1.25	0.62	4.08*	3.50
UNIV 100	0.13	0.12	1.26	0.88
UNIV 131	0.51	0.20	6.24*	0.60
<u>Fall 1998 Cohort</u>				
BG Effect	-0.29	0.32	0.84	0.75
Chapman Learning Community	0.21	0.22	0.93	1.24
Health Sciences Residential Community	-0.16	0.24	0.44	0.85
Honors	0.20	0.18	1.17	1.22
Multicultural and Academic Initiatives	0.60	0.28	4.58*	1.82
President's Leadership Academy	-0.14	0.51	0.08	0.87
Springboard	0.51	0.15	11.23**	1.67
UNIV 100	0.23	0.10	6.06*	1.26
University Program for Academic Success	-0.34	0.19	3.09	0.71
<u>Fall 1999 Cohort</u>				
BG Effect	-0.11	0.34	0.10	1.11
Chapman Learning Community	-0.06	0.15	0.15	0.94
Health Sciences Residential Community	-0.11	0.25	0.19	1.12
Honors	0.26	0.19	1.92	0.77
Literacy Serve and Learn	0.41	0.18	5.56*	0.66
Multicultural and Academic Initiatives	-0.08	0.37	0.05	1.09
President's Leadership Academy	0.14	0.47	0.09	0.87
Springboard	0.29	0.15	3.74	1.33
UNIV 100	0.28	0.10	8.70**	0.75
University Program for Academic Success	-0.05	0.16	0.11	1.05

Fall 2000 Cohort

BG Effect	-0.59	0.38	2.46	0.55
Chapman Learning Community	-0.13	0.16	0.67	0.88
Health Sciences Residential Community	-0.43	0.31	1.90	0.65
Honors	0.36	0.19	3.41	1.43
Literacy Serve and Learn	0.43	0.23	3.60	1.54
Multicultural and Academic Initiatives	0.16	0.27	0.37	1.18
President's Leadership Academy	0.88	0.54	2.67	2.41
Springboard	0.29	0.14	4.50*	1.34
UNIV 100	0.21	0.10	4.59*	1.24
University Program for Academic Success	0.04	0.17	0.05	1.04

*p <= .05. **p <= .01.

Table 6
Summary of Logistic Regression Analysis Predicting Six-Year Graduation After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp(B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.58	0.28	4.10*	1.78
Chapman Learning Community	0.75	0.25	9.18**	0.48
Honors	0.24	0.24	1.05	0.79
Multicultural and Academic Initiatives	-0.08	0.37	0.04	1.08
Springboard	-0.66	0.63	1.11	1.94
UNIV 100	0.16	0.12	1.72	0.86
UNIV 131	0.54	0.21	6.65*	0.58
<u>Fall 1998 Cohort</u>				
BG Effect	-0.03	0.30	0.01	0.97
Chapman Learning Community	0.22	0.23	0.92	1.24
Health Sciences Residential Community	-0.03	0.25	0.01	0.97
Honors	0.21	0.19	1.24	1.24
Multicultural and Academic Initiatives	0.39	0.27	1.99	1.47
President's Leadership Academy	-0.09	0.51	0.03	0.91
Springboard	0.39	0.15	6.58*	1.48
UNIV 100	0.24	0.10	6.01*	1.27
University Program for Academic Success	-0.26	0.19	1.87	0.78
<u>Fall 1999 Cohort</u>				
BG Effect	-0.06	0.34	0.03	1.06
Chapman Learning Community	-0.01	0.15	0.00	0.99
Health Sciences Residential Community	-0.02	0.26	0.01	1.02
Honors	0.22	0.20	1.27	0.80
Literacy Serve and Learn	0.38	0.18	4.55*	0.68
Multicultural and Academic Initiatives	-0.42	0.37	1.33	1.52
President's Leadership Academy	0.48	0.51	0.89	0.62
Springboard	0.18	0.15	1.53	1.20
UNIV 100	0.25	0.10	6.73**	0.78
University Program for Academic Success	0.05	0.15	0.10	0.95

*p <= .05. **p <= .01.

Table 7
Summary of Regression Analysis Predicting Cumulative GPA at the End of the First Academic Year After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-0.17	0.09	-0.03
Chapman Learning Community	0.44	0.07	0.12**
Honors	0.24	0.06	0.08**
Multicultural and Academic Initiatives	-0.11	0.12	-0.03
Springboard	-0.21	0.19	-0.02
UNIV 100	0.08	0.04	0.04
UNIV 131	0.09	0.06	0.03
<u>Fall 1998 Cohort</u>			
BG Effect	-0.13	0.10	-0.02
Chapman Learning Community	0.20	0.07	0.04*
Health Sciences Residential Community	0.04	0.08	0.01
Honors	0.22	0.05	0.07**
Multicultural and Academic Initiatives	0.10	0.09	0.03
President's Leadership Academy	-0.03	0.16	-0.00
Springboard	0.03	0.05	0.01
UNIV 100	0.07	0.03	0.03
University Program for Academic Success	0.29	0.06	0.08**
<u>Fall 1999 Cohort</u>			
BG Effect	0.04	0.11	0.01
Chapman Learning Community	0.13	0.05	0.04**
Health Sciences Residential Community	0.05	0.08	0.01
Honors	0.15	0.05	0.05**
Literacy Serve and Learn	0.15	0.05	0.04**
Multicultural and Academic Initiatives	-0.24	0.12	-0.08*
President's Leadership Academy	-0.05	0.13	-0.00
Springboard	0.15	0.05	0.05**
UNIV 100	0.07	0.03	0.04*
University Program for Academic Success	0.20	0.05	0.07**
<u>Fall 2000 Cohort</u>			
BG Effect	0.11	0.12	0.01
Chapman Learning Community	0.21	0.05	0.06**
Health Sciences Residential Community	-0.08	0.10	-0.01
Honors	0.17	0.05	0.06**
Literacy Serve and Learn	0.17	0.07	0.04*
Multicultural and Academic Initiatives	0.26	0.09	0.08**
President's Leadership Academy	-0.21	0.14	-0.02
Springboard	0.11	0.05	0.04*
UNIV 100	0.08	0.03	0.04*
University Program for Academic Success	0.29	0.06	0.08**

Fall 2001 Cohort

Academic Investment in Math and Science	-0.44	0.21	-0.03*
Batchelder Music Community	0.14	0.07	0.04*
BG Effect	-0.06	0.18	-0.01
Chapman Learning Community	0.14	0.05	0.04*
Health Sciences Residential Community	-0.13	0.09	-0.02
Honors	0.23	0.05	0.09**
Literacy Serve and Learn	0.03	0.07	0.01
Multicultural and Academic Initiatives	0.01	0.10	0.00
Partners in Context & Community	-0.26	0.17	-0.03
President's Leadership Academy	0.09	0.15	0.01
Springboard	-0.01	0.04	-0.01
UNIV 100	0.05	0.03	0.03
University Program for Academic Success	0.10	0.05	0.04*

Fall 2002 Cohort

Academic Investment in Math and Science	0.44	0.20	0.04*
Batchelder Music Community	0.21	0.08	0.04*
BG Experience	0.03	0.09	0.01
Chapman Learning Community	0.06	0.10	0.01
Health Sciences Residential Community	0.17	0.11	0.03
Honors	0.84	0.05	0.26**
Literacy Serve and Learn	0.29	0.10	0.05**
Multicultural and Academic Initiatives	-0.26	0.14	-0.09
Partners in Context & Community	0.39	0.17	0.04*
President's Leadership Academy	0.19	0.18	0.02
SMART	-0.08	0.10	-0.02
Springboard	0.07	0.05	0.02
UNIV 100	0.07	0.03	0.04*
University Program for Academic Success	-0.30	0.06	-0.10**

Fall 2003 Cohort

Academic Investment in Math and Science	0.16	0.16	0.02
Arts Village	0.16	0.11	0.02
BA 150	0.04	0.05	0.01
Batchelder Music Community	0.21	0.09	0.04*
BG Connections	-0.07	0.07	-0.02
BG Experience	-0.05	0.05	-0.02
Chapman Learning Community	-0.02	0.06	-0.00
Health Sciences Residential Community	-0.17	0.08	-0.03*
Honors	0.18	0.05	0.06**
Literacy Serve and Learn	0.21	0.08	0.04**
Multicultural and Academic Initiatives	0.13	0.08	0.04
Partners in Context & Community	0.25	0.11	0.04*
President's Leadership Academy	0.15	0.16	0.02
SMART	0.05	0.08	0.01
Springboard	0.05	0.05	0.02
UNIV 100	0.11	0.03	0.06**
UNIV 131	0.21	0.11	0.03
University Program for Academic Success	0.22	0.05	0.07**

Fall 2004 Cohort

Academic Investment in Math and Science	0.12	0.16	0.01
Arts Village	0.15	0.10	0.02
BA 150	-0.00	0.04	-0.00
Batchelder Music Community	0.09	0.08	0.02
BG Connections	-0.19	0.17	-0.02
BG Experience	0.03	0.03	0.02
Chapman Learning Community	0.03	0.06	0.01
Health Sciences Residential Community	-0.08	0.07	-0.02
Honors	0.18	0.05	0.06**
La Comunidad	0.08	0.18	0.01
La Maison Française	0.11	0.31	0.01
Literacy Serve and Learn	0.13	0.06	0.03*
Multicultural and Academic Initiatives	0.06	0.07	0.02
Partners in Context & Community	0.16	0.11	0.02
President's Leadership Academy	-0.04	0.14	-0.01
SMART	-0.06	0.07	-0.01
Springboard	0.07	0.05	0.02
UNIV 100	0.13	0.03	0.07**
UNIV 131	0.19	0.09	0.03*
University Program for Academic Success	0.17	0.06	0.05**

Fall 2005 Cohort

Academic Investment in Math and Science	0.35	0.21	0.03
Arts Village	-0.03	0.08	-0.01
BA 150	0.01	0.05	0.00
Batchelder Music Community	-0.05	0.09	-0.01
BG Experience	-0.03	0.13	0.00
Chapman Learning Community	0.08	0.06	0.02
Health Sciences Residential Community	-0.04	0.06	-0.01
Honors	0.17	0.06	0.05**
Literacy Serve and Learn	0.25	0.06	0.06**
Multicultural and Academic Initiatives	0.11	0.06	0.04
Partners in Context & Community	0.29	0.13	0.03*
President's Leadership Academy	0.27	0.13	0.03*
SMART	-0.02	0.07	-0.01
Springboard	0.01	0.05	0.00
UNIV 100	0.11	0.03	0.06**
UNIV 131	0.16	0.10	0.02
University Program for Academic Success	0.28	0.06	0.07**

Note. Fall 1997 Cohort: $R^2 = .32$ ($N = 2,074$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .36$ ($N = 3,138$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .34$ ($N = 3,087$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .33$ ($N = 2,935$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .35$ ($N = 2,568$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .15$ ($N = 3,111$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .33$ ($N = 3,085$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .32$ ($N = 3,414$, $p < .01$).

Note. Fall 2005 Cohort: $R^2 = .36$ ($N = 3,127$, $p < .01$).

* $p < .05$. ** $p < .01$.

Table 8
Summary of Regression Analysis Predicting Cumulative GPA at the End of the Second Academic Year
After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.06	0.08	0.01
Chapman Learning Community	0.13	0.06	0.05*
Honors	0.24	0.05	0.11**
Multicultural and Academic Initiatives	0.15	0.10	0.04
Springboard	0.20	0.18	0.02
UNIV 100	0.08	0.03	0.01
UNIV 131	-0.01	0.05	-0.01
<u>Fall 1998 Cohort</u>			
BG Effect	0.18	0.09	0.03
Chapman Learning Community	-0.03	0.06	-0.00
Health Sciences Residential Community	-0.03	0.06	-0.01
Honors	0.24	0.04	0.11**
Multicultural and Academic Initiatives	0.11	0.07	0.04
President's Leadership Academy	-0.18	0.12	-0.03
Springboard	-0.02	0.04	-0.01
UNIV 100	0.04	0.03	0.02
University Program for Academic Success	-0.01	0.06	-0.00
<u>Fall 1999 Cohort</u>			
BG Effect	0.14	0.09	0.02
Chapman Learning Community	-0.02	0.04	-0.01
Health Sciences Residential Community	0.09	0.07	0.02
Honors	0.16	0.04	0.07**
Literacy Serve and Learn	0.13	0.04	0.05**
Multicultural and Academic Initiatives	-0.15	0.10	-0.06
President's Leadership Academy	-0.11	0.10	-0.02
Springboard	0.08	0.04	0.04*
UNIV 100	0.02	0.03	0.01
University Program for Academic Success	0.05	0.05	0.02
<u>Fall 2000 Cohort</u>			
BG Effect	0.02	0.11	0.00
Chapman Learning Community	0.04	0.04	0.01
Health Sciences Residential Community	-0.16	0.09	-0.03
Honors	0.20	0.04	0.09**
Literacy Serve and Learn	0.22	0.06	0.06**
Multicultural and Academic Initiatives	-0.01	0.07	0.00
President's Leadership Academy	0.02	0.11	0.00
Springboard	0.06	0.04	0.03
UNIV 100	0.05	0.03	0.03
University Program for Academic Success	0.04	0.05	0.02

Fall 2001 Cohort

Academic Investment in Math and Science	-0.20	0.20	-0.02
Batchelder Music Community	0.05	0.06	0.01
BG Effect	-0.14	0.16	-0.01
Chapman Learning Community	0.06	0.05	0.02
Health Sciences Residential Community	-0.08	0.09	-0.01
Honors	0.19	0.04	0.08**
Literacy Serve and Learn	0.05	0.06	0.01
Multicultural and Academic Initiatives	-0.08	0.09	-0.03
Partners in Context and Community	-0.06	0.16	-0.01
President's Leadership Academy	0.02	0.14	0.00
Springboard	-0.05	0.04	-0.02
UNIV 100	0.01	0.03	0.01
University Program for Academic Success	0.08	0.05	0.03

Fall 2002 Cohort

Academic Investment in Math and Science	0.28	0.15	0.03
Batchelder Music Community	0.07	0.07	0.02
BG Experience	0.08	0.07	0.02
Chapman Learning Community	-0.05	0.08	-0.01
Health Sciences Residential Community	0.23	0.10	0.04*
Honors	0.72	0.04	0.31**
Literacy Serve and Learn	0.27	0.08	0.06**
Multicultural and Academic Initiatives	-0.10	0.11	-0.04
Partners in Context & Community	0.24	0.13	0.03
President's Leadership Academy	0.06	0.14	0.01
SMART	-0.14	0.08	-0.04
Springboard	-0.02	0.04	-0.01
UNIV 100	0.04	0.03	0.02
University Program for Academic Success	-0.35	0.05	-0.14**

Fall 2003 Cohort

Academic Investment in Math and Science	-0.06	0.13	-0.01
Arts Village	0.17	0.09	0.03*
BA 150	-0.10	0.04	-0.04*
Batchelder Music Community	-0.02	0.07	0.00
BG Connections	-0.05	0.06	-0.01
BG Experience	-0.05	0.04	-0.02
Chapman Learning Community	0.05	0.06	0.02
Health Sciences Residential Community	-0.02	0.07	0.00
Honors	0.20	0.04	0.08**
Literacy Serve and Learn	0.16	0.06	0.04**
Multicultural and Academic Initiatives	0.11	0.07	0.05
Partners in Context & Community	0.12	0.09	0.02
President's Leadership Academy	0.09	0.13	0.01
SMART	0.03	0.07	0.01
Springboard	0.05	0.04	0.02
UNIV 100	0.06	0.03	0.04*
UNIV 131	0.22	0.10	0.04*
University Program for Academic Success	0.03	0.05	0.01

Fall 2004 Cohort

Academic Investment in Math and Science	-0.09	0.12	-0.01
Arts Village	0.13	0.09	0.02
BA 150	-0.06	0.04	-0.02
Batchelder Music Community	0.05	0.07	0.01
BG Connections	-0.22	0.15	-0.02
BG Experience	0.03	0.02	0.02
Chapman Learning Community	0.01	0.05	0.00
Health Sciences Residential Community	-0.05	0.06	-0.01
Honors	0.21	0.04	0.09**
La Comunidad	0.07	0.13	0.01
La Maison Française	0.75	0.31	0.04**
Literacy Serve and Learn	0.10	0.05	0.03
Multicultural and Academic Initiatives	0.01	0.06	0.01
Partners in Context & Community	0.17	0.09	0.03
President's Leadership Academy	-0.22	0.11	-0.03*
SMART	-0.15	0.06	-0.04*
Springboard	0.04	0.04	0.02
UNIV 100	0.09	0.02	0.06**
UNIV 131	0.14	0.07	0.03*
University Program for Academic Success	-0.05	0.05	-0.02

Note. Fall 1997 Cohort: $R^2 = .36$ ($N = 1,649$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .40$ ($N = 2,538$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .39$ ($N = 2,485$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .39$ ($N = 2,382$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .40$ ($N = 2,435$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .21$ ($N = 2,443$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .38$ ($N = 2,498$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .39$ ($N = 2,794$, $p < .01$).

* $p < .05$. ** $p < .01$.

Table 9
Summary of Regression Analysis Predicting Cumulative GPA at the End of the Third Academic Year After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-0.05	0.08	-0.02
Chapman Learning Community	0.15	0.06	0.06*
Honors	0.22	0.05	0.11**
Multicultural and Academic Initiatives	0.13	0.10	0.04
Springboard	0.18	0.18	0.02
UNIV 100	0.02	0.03	0.02
UNIV 131	-0.06	0.05	0.00
<u>Fall 1998 Cohort</u>			
BG Effect	0.09	0.09	0.02
Chapman Learning Community	0.03	0.06	0.01
Health Sciences Residential Community	-0.03	0.06	-0.01
Honors	0.21	0.04	0.10**
Multicultural and Academic Initiatives	0.10	0.07	0.04
President's Leadership Academy	-0.03	0.12	-0.00
Springboard	-0.07	0.04	-0.00
UNIV 100	0.03	0.02	0.02
University Program for Academic Success	0.09	0.06	0.03
<u>Fall 1999 Cohort</u>			
BG Effect	0.11	0.09	0.02
Chapman Learning Community	-0.03	0.04	-0.02
Health Sciences Residential Community	0.08	0.07	0.02
Honors	0.15	0.04	0.07**
Literacy Serve and Learn	0.20	0.04	0.08**
Multicultural and Academic Initiatives	-0.12	0.10	-0.05
President's Leadership Academy	-0.15	0.10	-0.03
Springboard	0.03	0.04	0.01
UNIV 100	0.02	0.03	0.01
University Program for Academic Success	0.05	0.04	0.02
<u>Fall 2000 Cohort</u>			
BG Effect	0.01	0.10	0.00
Chapman Learning Community	0.01	0.04	0.00
Health Sciences Residential Community	-0.14	0.09	-0.03
Honors	0.18	0.04	0.09**
Literacy Serve and Learn	0.21	0.05	0.07**
Multicultural and Academic Initiatives	-0.05	0.07	-0.02
President's Leadership Academy	-0.04	0.11	-0.01
Springboard	0.05	0.04	0.02
UNIV 100	0.07	0.03	0.05**
University Program for Academic Success	-0.02	0.05	-0.01

Fall 2001 Cohort

Academic Investment in Math and Science	-0.43	0.18	-0.04**
Batchelder Music Community	0.06	0.06	0.02
BG Effect	-0.16	0.15	-0.02
Chapman Learning Community	0.11	0.05	0.04*
Health Sciences Residential Community	-0.13	0.09	-0.03
Honors	0.18	0.04	0.08**
Literacy Serve and Learn	0.07	0.06	0.02
Multicultural and Academic Initiatives	0.09	0.09	0.04
Partners in Context and Community	0.16	0.17	0.02
President's Leadership Academy	0.04	0.14	0.01
Springboard	-0.04	0.04	-0.02
UNIV 100	0.05	0.03	0.03
University Program for Academic Success	0.02	0.05	0.01

Fall 2002 Cohort

Academic Investment in Math and Science	0.30	0.15	0.04*
Batchelder Music Community	0.09	0.07	0.03
BG Experience	0.10	0.07	0.03
Chapman Learning Community	-0.11	0.08	-0.03
Health Sciences Residential Community	0.13	0.09	0.03
Honors	0.65	0.04	0.31**
Literacy Serve and Learn	0.17	0.07	0.04*
Multicultural and Academic Initiatives	0.00	0.11	0.00
Partners in Context & Community	0.23	0.13	0.03
President's Leadership Academy	0.02	0.13	0.00
SMART	-0.20	0.08	-0.06**
Springboard	-0.05	0.04	-0.02
UNIV 100	0.05	0.03	0.04
University Program for Academic Success	-0.32	0.05	-0.14**

Fall 2003 Cohort

Academic Investment in Math and Science	-0.04	0.12	-0.01
Arts Village	0.13	0.08	0.03
BA 150	-0.08	0.04	-0.03*
Batchelder Music Community	0.16	0.07	0.04*
BG Connections	0.00	0.06	0.00
BG Experience	-0.03	0.04	-0.02
Chapman Learning Community	0.04	0.05	0.01
Health Sciences Residential Community	-0.07	0.06	-0.02
Honors	0.19	0.04	0.09**
Literacy Serve and Learn	0.22	0.06	0.06**
Multicultural and Academic Initiatives	0.16	0.07	0.08*
Partners in Context & Community	0.13	0.08	0.03
President's Leadership Academy	0.06	0.13	0.01
SMART	-0.01	0.06	0.00
Springboard	0.01	0.04	0.00
UNIV 100	0.06	0.02	0.05**
UNIV 131	0.26	0.10	0.04*
University Program for Academic Success	0.00	0.05	0.00

Note. Fall 1997 Cohort: $R^2 = .35$ ($N = 1,540$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .40$ ($N = 2,313$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .40$ ($N = 2,269$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .37$ ($N = 2,179$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .41$ ($N = 2,213$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .39$ ($N = 2,293$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 10
Summary of Regression Analysis Predicting Cumulative GPA at the End of the Fourth Academic Year
After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.03	0.07	0.01
Chapman Learning Community	0.11	0.05	0.05*
Honors	0.23	0.05	0.12**
Multicultural and Academic Initiatives	0.17	0.10	0.06
Springboard	-0.04	0.16	-0.00
UNIV 100	-0.07	0.03	-0.01
UNIV 131	0.02	0.05	0.01
<u>Fall 1998 Cohort</u>			
BG Effect	0.11	0.09	0.02
Chapman Learning Community	-0.03	0.06	-0.01
Health Sciences Residential Community	-0.07	0.06	-0.02
Honors	0.15	0.04	0.08**
Multicultural and Academic Initiatives	0.17	0.07	0.07*
President's Leadership Academy	0.04	0.12	0.01
Springboard	-0.01	0.04	0.00
UNIV 100	0.04	0.02	0.03
University Program for Academic Success	0.05	0.06	0.02
<u>Fall 1999 Cohort</u>			
BG Effect	0.10	0.09	0.02
Chapman Learning Community	-0.01	0.04	0.00
Health Sciences Residential Community	0.05	0.06	0.01
Honors	0.17	0.04	0.09**
Literacy Serve and Learn	0.21	0.04	0.09**
Multicultural and Academic Initiatives	-0.08	0.10	-0.04
President's Leadership Academy	-0.20	0.09	-0.04*
Springboard	0.02	0.04	0.01
UNIV 100	0.00	0.02	0.00
University Program for Academic Success	0.06	0.04	0.03
<u>Fall 2000 Cohort</u>			
BG Effect	0.07	0.11	0.01
Chapman Learning Community	-0.02	0.04	-0.01
Health Sciences Residential Community	-0.08	0.09	-0.02
Honors	0.15	0.04	0.08**
Literacy Serve and Learn	0.26	0.06	0.09**
Multicultural and Academic Initiatives	-0.05	0.08	-0.02
President's Leadership Academy	-0.03	0.10	-0.01
Springboard	0.02	0.04	0.01
UNIV 100	0.07	0.03	0.05*
University Program for Academic Success	0.00	0.05	0.00

Fall 2001 Cohort

Academic Investment in Math and Science	-0.25	0.19	-0.02
Batchelder Music Community	0.11	0.06	0.03
BG Effect	-0.03	0.16	0.00
Chapman Learning Community	0.06	0.05	0.02
Health Sciences Residential Community	-0.07	0.09	-0.01
Honors	0.14	0.04	0.06**
Literacy Serve and Learn	0.10	0.06	0.03
Multicultural and Academic Initiatives	-0.03	0.10	-0.01
Partners in Context and Community	-0.03	0.16	0.00
President's Leadership Academy	-0.02	0.13	0.00
Springboard	-0.04	0.04	-0.02
UNIV 100	0.06	0.03	0.04*
University Program for Academic Success	0.02	0.05	0.01

Note. Fall 1997 Cohort: $R^2 = .34$ (N = 1,418, p < .01).

Note. Fall 1998 Cohort: $R^2 = .37$ (N = 2,154, p < .01).

Note. Fall 1999 Cohort: $R^2 = .39$ (N = 2,081, p < .01).

Note. Fall 2000 Cohort: $R^2 = .35$ (N = 2,012, p < .01).

Note. Fall 2001 Cohort: $R^2 = .39$ (N = 2,055, p < .01).

*p <= .05. **p <= .01.

Table 11
Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the First Academic Year After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-1.73	0.85	-0.04*
Chapman Learning Community	2.48	0.66	0.08**
Honors	4.52	0.58	0.17**
Multicultural and Academic Initiatives	0.43	1.09	0.01
Springboard	-1.59	1.79	-0.02
UNIV 100	0.38	0.35	0.02
UNIV 131	0.18	0.58	0.01
<u>Fall 1998 Cohort</u>			
BG Effect	-2.17	0.98	-0.04*
Chapman Learning Community	0.58	0.68	0.01
Health Sciences Residential Community	0.09	0.77	0.01
Honors	3.35	0.48	0.12**
Multicultural and Academic Initiatives	0.84	0.87	0.03
President's Leadership Academy	-0.38	1.55	-0.00
Springboard	-0.15	0.46	-0.01
UNIV 100	0.07	0.30	-0.00
University Program for Academic Success	0.11	0.63	0.00
<u>Fall 1999 Cohort</u>			
BG Effect	-0.30	1.04	-0.01
Chapman Learning Community	1.20	0.44	0.04**
Health Sciences Residential Community	0.63	0.76	0.01
Honors	1.75	0.49	0.06**
Literacy Serve and Learn	1.63	0.51	0.05**
Multicultural and Academic Initiatives	0.45	1.15	0.02
President's Leadership Academy	1.16	1.25	0.02
Springboard	0.18	0.45	0.01
UNIV 100	0.04	0.30	0.00
University Program for Academic Success	-0.17	0.50	-0.01
<u>Fall 2000 Cohort</u>			
BG Effect	-0.10	1.24	-0.00
Chapman Learning Community	0.91	0.54	0.03
Health Sciences Residential Community	0.24	1.01	0.00
Honors	2.37	0.52	0.08**
Literacy Serve and Learn	1.51	0.69	0.04*
Multicultural and Academic Initiatives	2.57	0.87	0.08**
President's Leadership Academy	-1.42	1.45	-0.02
Springboard	0.39	0.46	0.02
UNIV 100	0.08	0.33	0.00
University Program for Academic Success	0.60	0.60	0.02

Fall 2001 Cohort

Academic Investment in Math and Science	-4.24	2.42	-0.03
Batchelder Music Community	0.64	0.78	0.01
BG Effect	-0.22	2.54	0.00
Chapman Learning Community	0.41	0.64	0.01
Health Sciences Residential Community	-0.80	1.07	-0.01
Honors	4.56	0.57	0.14**
Literacy Serve and Learn	0.67	0.80	0.01
Multicultural and Academic Initiatives	0.93	1.12	0.03
Partners in Context and Community	-0.33	2.07	0.00
President's Leadership Academy	2.88	1.95	0.02
Springboard	0.27	0.47	0.01
UNIV 100	-0.09	0.33	0.00
University Program for Academic Success	-1.54	0.54	-0.05**

Fall 2002 Cohort

Academic Investment in Math and Science	1.49	1.92	0.01
Batchelder Music Community	0.92	0.82	0.02
BG Experience	-0.10	0.85	0.00
Chapman Learning Community	-0.48	0.93	-0.01
Health Sciences Residential Community	1.20	1.11	0.02
Honors	7.92	0.53	0.26**
Literacy Serve and Learn	1.57	0.94	0.03
Multicultural and Academic Initiatives	-1.60	1.33	-0.06
Partners in Context & Community	1.18	1.62	0.01
President's Leadership Academy	3.58	1.70	0.04*
SMART	-0.35	0.95	-0.01
Springboard	0.25	0.50	0.01
UNIV 100	-0.47	0.33	-0.02
University Program for Academic Success	-3.90	0.55	-0.13**

Fall 2003 Cohort

Academic Investment in Math and Science	-0.19	1.66	0.00
Arts Village	1.18	1.07	0.02
BA 150	-0.27	0.49	-0.01
Batchelder Music Community	1.11	0.88	0.02
BG Connections	-0.97	0.69	-0.02
BG Experience	-0.32	0.48	-0.01
Chapman Learning Community	-0.26	0.65	-0.01
Health Sciences Residential Community	-0.38	0.78	-0.01
Honors	3.49	0.55	0.11**
Literacy Serve and Learn	1.64	0.78	0.03*
Multicultural and Academic Initiatives	0.65	0.80	0.02
Partners in Context & Community	3.02	1.11	0.04**
President's Leadership Academy	3.19	1.66	0.03*
SMART	-0.47	0.82	-0.01
Springboard	-1.11	0.49	-0.04*
UNIV 100	-0.09	0.31	-0.01
UNIV 131	0.49	1.14	0.01
University Program for Academic Success	0.39	0.55	0.01

Fall 2004 Cohort

Academic Investment in Math and Science	0.37	1.62	0.00
Arts Village	0.70	1.01	0.01
BA 150	-0.20	0.46	-0.01
Batchelder Music Community	0.58	0.88	0.01
BG Connections	-2.93	1.76	-0.03
BG Experience	0.27	0.29	0.02
Chapman Learning Community	-0.13	0.66	0.00
Health Sciences Residential Community	-0.06	0.71	0.00
Honors	4.13	0.51	0.14**
La Comunidad	2.72	1.89	0.02
La Maison Française	-1.22	3.23	-0.01
Literacy Serve and Learn	0.57	0.65	0.01
Multicultural and Academic Initiatives	0.15	0.73	0.00
Partners in Context & Community	0.90	1.13	0.01
President's Leadership Academy	0.22	1.42	0.00
SMART	-1.30	0.77	-0.03
Springboard	-0.84	0.50	-0.03
UNIV 100	-0.27	0.30	-0.01
UNIV 131	1.14	0.94	0.02
University Program for Academic Success	0.58	0.57	0.02

Fall 2005 Cohort

Academic Investment in Math and Science	0.86	2.17	0.01
Arts Village	0.98	0.89	0.02
BA 150	-0.36	0.47	-0.01
Batchelder Music Community	1.20	0.96	0.02
BG Experience	-2.09	1.39	-0.02
Chapman Learning Community	0.41	0.61	0.01
Health Sciences Residential Community	0.24	0.67	0.01
Honors	4.64	0.58	0.14**
Literacy Serve and Learn	1.44	0.68	0.03*
Multicultural and Academic Initiatives	0.62	0.64	0.02
Partners in Context & Community	1.16	1.34	0.01
President's Leadership Academy	4.85	1.41	0.05**
SMART	0.08	0.69	0.00
Springboard	-0.46	0.48	-0.02
UNIV 100	0.14	0.32	0.01
UNIV 131	0.95	1.04	0.01
University Program for Academic Success	0.87	0.63	0.02

Note. Fall 1997 Cohort: $R^2 = .25$ ($N = 2,074$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .26$ ($N = 3,138$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .21$ ($N = 3,086$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .24$ ($N = 2,935$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .22$ ($N = 3,107$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .15$ ($N = 3,111$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .23$ ($N = 3,085$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .23$ ($N = 3,414$, $p < .01$).

Note. Fall 2005 Cohort: $R^2 = .26$ ($N = 3,127$, $p < .01$).

* $p < .05$. ** $p < .01$.

Table 12

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Second Academic Year After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.59	1.50	0.01
Chapman Learning Community	0.91	1.07	0.02
Honors	6.06	0.90	0.17**
Multicultural and Academic Initiatives	3.17	1.90	0.06
Springboard	2.06	3.30	0.01
UNIV 100	0.67	0.58	0.03
UNIV 131	-0.61	0.93	-0.02
<u>Fall 1998 Cohort</u>			
BG Effect	-0.15	1.70	-0.00
Chapman Learning Community	0.85	1.09	0.01
Health Sciences Residential Community	0.43	1.18	0.01
Honors	3.98	0.73	0.11**
Multicultural and Academic Initiatives	1.55	1.39	0.03
President's Leadership Academy	-3.25	2.24	-0.03
Springboard	-0.47	0.71	-0.01
UNIV 100	0.66	0.48	0.03
University Program for Academic Success	-2.52	1.04	-0.05*
<u>Fall 1999 Cohort</u>			
BG Effect	1.78	1.72	0.02
Chapman Learning Community	-0.29	0.69	-0.01
Health Sciences Residential Community	1.15	1.23	0.02
Honors	1.97	0.73	0.05**
Literacy Serve and Learn	2.28	0.79	0.05**
Multicultural and Academic Initiatives	0.85	1.80	0.02
President's Leadership Academy	0.63	1.84	0.01
Springboard	-0.75	0.70	-0.02
UNIV 100	-0.62	0.47	-0.02
University Program for Academic Success	-1.89	0.82	-0.05*
<u>Fall 2000 Cohort</u>			
BG Effect	-0.63	2.07	-0.01
Chapman Learning Community	0.64	0.86	0.01
Health Sciences Residential Community	0.35	1.68	0.00
Honors	3.01	0.80	0.08**
Literacy Serve and Learn	2.31	1.11	0.04*
Multicultural and Academic Initiatives	1.47	1.42	0.03
President's Leadership Academy	0.06	2.24	0.00
Springboard	0.81	0.73	0.02
UNIV 100	0.02	0.53	0.00
University Program for Academic Success	-1.71	0.96	-0.04

Fall 2001 Cohort

Academic Investment in Math and Science	-2.21	3.97	-0.01
Batchelder Music Community	4.37	1.16	0.07**
BG Effect	-2.50	3.23	-0.01
Chapman Learning Community	1.06	1.00	0.02
Health Sciences Residential Community	-1.00	1.75	-0.01
Honors	5.16	0.83	0.12**
Literacy Serve and Learn	1.32	1.21	0.02
Multicultural and Academic Initiatives	-0.95	1.84	-0.02
Partners in Context and Community	-1.21	3.06	-0.01
President's Leadership Academy	2.68	2.74	0.02
Springboard	-0.64	0.70	-0.02
UNIV 100	-1.13	0.51	-0.04*
University Program for Academic Success	-3.20	0.90	-0.07**

Fall 2002 Cohort

Academic Investment in Math and Science	6.07	2.75	0.04*
Batchelder Music Community	2.41	1.28	0.03
BG Experience	1.92	1.30	0.03
Chapman Learning Community	-2.40	1.44	-0.03
Health Sciences Residential Community	4.09	1.76	0.04*
Honors	10.75	0.77	0.26**
Literacy Serve and Learn	3.04	1.38	0.04*
Multicultural and Academic Initiatives	-0.21	2.04	-0.01
Partners in Context & Community	4.11	2.41	0.03
President's Leadership Academy	3.27	2.54	0.03
SMART	-2.32	1.50	-0.03
Springboard	-0.56	0.76	-0.01
UNIV 100	-0.72	0.52	-0.03
University Program for Academic Success	-6.40	0.85	-0.15**

Fall 2003 Cohort

Academic Investment in Math and Science	-1.67	2.32	-0.01
Arts Village	1.90	1.57	0.02
BA 150	-0.60	0.75	-0.01
Batchelder Music Community	0.28	1.27	0.00
BG Connections	-0.63	1.06	-0.01
BG Experience	-1.15	0.72	-0.03
Chapman Learning Community	0.82	1.03	0.01
Health Sciences Residential Community	0.62	1.24	0.01
Honors	5.41	0.80	0.13**
Literacy Serve and Learn	2.40	1.15	0.04*
Multicultural and Academic Initiatives	1.03	1.28	0.03
Partners in Context & Community	3.33	1.57	0.04*
President's Leadership Academy	5.88	2.45	0.04*
SMART	-1.18	1.22	-0.02
Springboard	-0.81	0.79	-0.02
UNIV 100	-0.35	0.47	-0.01
UNIV 131	2.86	1.93	0.03
University Program for Academic Success	-1.09	0.89	-0.02

Fall 2004 Cohort

Academic Investment in Math and Science	1.32	2.34	0.01
Arts Village	0.08	1.64	0.00
BA 150	-0.78	0.73	-0.02
Batchelder Music Community	2.54	1.32	0.03*
BG Connections	-2.81	2.82	-0.02
BG Experience	0.46	0.44	0.02
Chapman Learning Community	0.01	0.99	0.00
Health Sciences Residential Community	-1.02	1.11	-0.02
Honors	4.97	0.75	0.12**
La Comunidad	-2.33	2.57	-0.02
La Maison Française	-2.64	5.85	-0.01
Literacy Serve and Learn	1.01	0.98	0.02
Multicultural and Academic Initiatives	0.16	1.16	0.00
Partners in Context & Community	3.45	1.74	0.03*
President's Leadership Academy	-4.53	2.03	-0.04*
SMART	-2.54	1.19	-0.04*
Springboard	0.03	0.77	0.00
UNIV 100	0.22	0.47	0.01
UNIV 131	2.38	1.39	0.03
University Program for Academic Success	-2.49	0.93	-0.05**

Note. Fall 1997 Cohort: $R^2 = .22$ ($N = 1,649$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .26$ ($N = 2,538$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .23$ ($N = 2,485$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .25$ ($N = 2,382$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .26$ ($N = 2,435$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .18$ ($N = 2,443$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .24$ ($N = 2,496$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .26$ ($N = 2,794$, $p < .01$).

* $p < .05$. ** $p < .01$.

Table 13

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Third Academic Year After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.93	2.26	0.01
Chapman Learning Community	3.32	1.68	0.05*
Honors	7.47	1.36	0.14**
Multicultural and Academic Initiatives	2.58	3.03	0.03
Springboard	3.51	5.23	0.02
UNIV 100	0.86	0.89	0.02
UNIV 131	-0.45	1.43	-0.01
<u>Fall 1998 Cohort</u>			
BG Effect	-0.48	2.56	-0.00
Chapman Learning Community	3.75	1.65	0.04*
Health Sciences Residential Community	1.07	1.74	0.01
Honors	3.37	1.04	0.07**
Multicultural and Academic Initiatives	1.91	2.10	0.03
President's Leadership Academy	-2.91	3.48	-0.02
Springboard	1.01	1.06	0.02
UNIV 100	1.29	0.69	0.04
University Program for Academic Success	-0.97	1.62	-0.01
<u>Fall 1999 Cohort</u>			
BG Effect	-1.21	4.61	0.00
Chapman Learning Community	0.91	1.99	0.01
Health Sciences Residential Community	-4.71	3.34	-0.03
Honors	6.52	2.11	0.06**
Literacy Serve and Learn	4.69	2.19	0.04*
Multicultural and Academic Initiatives	3.94	5.19	0.04
President's Leadership Academy	4.20	5.33	0.02
Springboard	-0.40	1.95	0.00
UNIV 100	1.05	1.31	0.02
University Program for Academic Success	-0.31	2.26	0.00
<u>Fall 2000 Cohort</u>			
BG Effect	-0.16	3.00	0.00
Chapman Learning Community	-0.56	1.30	-0.01
Health Sciences Residential Community	-2.57	2.62	-0.02
Honors	4.52	1.16	0.08**
Literacy Serve and Learn	3.04	1.59	0.04
Multicultural and Academic Initiatives	-2.61	2.18	-0.04
President's Leadership Academy	-0.18	3.19	0.00
Springboard	1.84	1.08	0.03
UNIV 100	1.25	0.79	0.03
University Program for Academic Success	-4.20	1.44	-0.06*

Fall 2001 Cohort

Academic Investment in Math and Science	-10.91	5.13	-0.04*
Batchelder Music Community	8.14	1.68	0.09**
BG Effect	-7.23	4.50	-0.03
Chapman Learning Community	2.50	1.47	0.03
Health Sciences Residential Community	-3.46	2.48	-0.03
Honors	5.19	1.18	0.09**
Literacy Serve and Learn	0.76	1.72	0.01
Multicultural and Academic Initiatives	6.82	2.59	0.11**
Partners in Context and Community	2.18	5.08	0.01
President's Leadership Academy	2.68	3.96	0.01
Springboard	-0.96	1.05	-0.02
UNIV 100	-0.53	0.74	-0.01
University Program for Academic Success	-2.76	1.36	-0.04*

Fall 2002 Cohort

Academic Investment in Math and Science	12.21	4.12	0.06**
Batchelder Music Community	6.65	1.88	0.07**
BG Experience	3.70	1.88	0.04*
Chapman Learning Community	-3.46	2.08	-0.03
Health Sciences Residential Community	2.73	2.46	0.02
Honors	12.28	1.10	0.22**
Literacy Serve and Learn	3.88	1.95	0.04*
Multicultural and Academic Initiatives	1.96	2.94	0.03
Partners in Context & Community	8.54	3.46	0.05**
President's Leadership Academy	3.21	3.59	0.02
SMART	-3.12	2.20	-0.03
Springboard	-1.36	1.12	-0.02
UNIV 100	-0.48	0.75	-0.01
University Program for Academic Success	-8.93	1.27	-0.15**

Fall 2003 Cohort

Academic Investment in Math and Science	3.42	3.42	0.02
Arts Village	2.44	2.37	0.02
BA 150	0.10	1.15	0.00
Batchelder Music Community	7.01	2.05	0.06**
BG Connections	0.02	1.65	0.00
BG Experience	-0.58	1.08	-0.01
Chapman Learning Community	2.00	1.55	0.02
Health Sciences Residential Community	0.96	1.86	0.01
Honors	5.83	1.18	0.10**
Literacy Serve and Learn	6.20	1.70	0.07**
Multicultural and Academic Initiatives	1.46	1.94	0.03
Partners in Context & Community	6.73	2.37	0.05**
President's Leadership Academy	3.98	3.62	0.02
SMART	-0.33	1.84	0.00
Springboard	-2.08	1.17	-0.03
UNIV 100	0.51	0.70	0.01
UNIV 131	2.98	2.76	0.02
University Program for Academic Success	-1.07	1.37	-0.02

Note. Fall 1997 Cohort: $R^2 = .20$ ($N = 1,540$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .23$ ($N = 2,313$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .10$ ($N = 2,651$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .22$ ($N = 2,179$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .25$ ($N = 2,213$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .17$ ($N = 2,251$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .24$ ($N = 2,293$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 14

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Fourth Academic Year After Controlling for Gender, Race, and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	2.19	2.77	0.02
Chapman Learning Community	4.35	1.98	0.06*
Honors	6.50	1.71	0.10**
Multicultural and Academic Initiatives	3.67	3.76	0.04
Springboard	-3.09	5.77	-0.01
UNIV 100	0.39	1.08	0.01
UNIV 131	-0.65	1.72	-0.01
<u>Fall 1998 Cohort</u>			
BG Effect	3.52	3.29	0.02
Chapman Learning Community	2.22	2.09	0.02
Health Sciences Residential Community	-1.32	2.21	-0.01
Honors	1.84	1.36	0.03
Multicultural and Academic Initiatives	2.62	2.67	0.03
President's Leadership Academy	-0.48	4.47	0.00
Springboard	1.62	1.36	0.03
UNIV 100	2.14	0.89	0.05*
University Program for Academic Success	-4.90	2.06	-0.05*
<u>Fall 1999 Cohort</u>			
BG Effect	0.99	3.18	0.01
Chapman Learning Community	0.39	1.38	0.01
Health Sciences Residential Community	-1.14	2.30	-0.01
Honors	1.93	1.38	0.03
Literacy Serve and Learn	5.21	1.49	0.07**
Multicultural and Academic Initiatives	2.95	3.65	0.04
President's Leadership Academy	-4.72	3.41	-0.03
Springboard	0.71	1.37	0.01
UNIV 100	0.53	0.90	0.01
University Program for Academic Success	-1.00	1.62	-0.01
<u>Fall 2000 Cohort</u>			
BG Effect	-0.40	4.00	0.00
Chapman Learning Community	-1.77	1.69	-0.02
Health Sciences Residential Community	0.74	3.30	0.00
Honors	3.06	1.49	0.05*
Literacy Serve and Learn	4.16	2.11	0.04*
Multicultural and Academic Initiatives	-2.74	2.87	-0.04
President's Leadership Academy	1.41	3.95	0.01
Springboard	1.92	1.39	0.03
UNIV 100	1.38	1.02	0.03
University Program for Academic Success	-4.19	1.87	-0.05*

Fall 2001 Cohort

Academic Investment in Math and Science	-7.34	7.09	-0.02
Batchelder Music Community	13.24	2.24	0.12**
BG Effect	-5.06	6.12	-0.02
Chapman Learning Community	3.61	1.99	0.04
Health Sciences Residential Community	-4.08	3.41	-0.02
Honors	3.37	1.60	0.05*
Literacy Serve and Learn	2.84	2.25	0.03
Multicultural and Academic Initiatives	1.51	3.65	0.02
Partners in Context and Community	-3.33	6.09	-0.01
President's Leadership Academy	2.05	4.90	0.01
Springboard	-0.29	1.37	0.00
UNIV 100	0.32	0.98	0.01
University Program for Academic Success	-4.35	1.80	-0.05*

Note. Fall 1997 Cohort: $R^2 = .16$ (N = 1,418, $p < .01$).
Note. Fall 1998 Cohort: $R^2 = .18$ (N = 2,157, $p < .01$).
Note. Fall 1999 Cohort: $R^2 = .16$ (N = 2,081, $p < .01$).
Note. Fall 2000 Cohort: $R^2 = .16$ (N = 2,012, $p < .01$).
Note. Fall 2001 Cohort: $R^2 = .21$ (N = 2,055, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

APPENDIX B

Table 15

Summary of Logistic Regression Analysis Predicting One-Year Retention After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.51	0.37	1.90	0.60
Chapman Learning Community	1.66	0.61	7.46**	5.25
Honors	0.14	0.32	0.19	1.15
Multicultural and Academic Initiatives	0.12	0.53	0.05	1.13
Springboard	-1.73	1.01	2.93	0.18
UNIV 100	0.10	0.17	0.35	1.10
<u>Fall 1998 Cohort</u>				
BG Effect	-0.22	0.42	0.28	0.80
Chapman Learning Community	1.42	0.60	5.50*	4.12
Health Sciences Residential Community	0.01	0.34	0.00	1.01
Honors	1.09	0.36	8.97**	2.98
Multicultural and Academic Initiatives	0.67	0.40	2.84	1.95
President's Leadership Academy	0.06	0.81	0.00	1.06
Springboard	0.66	0.26	6.66**	1.93
UNIV 100	0.21	0.14	2.18	1.24
University Program for Academic Success	-0.37	0.29	1.55	0.69
<u>Fall 1999 Cohort</u>				
BG Effect	-0.19	0.49	0.15	0.82
Chapman Learning Community	1.16	0.32	13.46**	3.18
Health Sciences Residential Community	0.10	0.34	0.09	1.11
Honors	0.43	0.30	2.14	1.54
Literacy Serve and Learn	0.41	0.23	3.05	1.51
Multicultural and Academic Initiatives	0.24	0.58	0.17	1.27
President's Leadership Academy	0.90	1.08	0.71	2.47
Springboard	0.27	0.23	1.38	1.31
UNIV 100	0.42	0.15	7.97**	1.52
University Program for Academic Success	0.11	0.24	0.20	1.11
<u>Fall 2000 Cohort</u>				
BG Effect	-0.13	0.50	0.07	1.14
Chapman Learning Community	0.32	0.28	1.25	0.73
Health Sciences Residential Community	-0.04	0.47	0.01	1.04
Honors	0.40	0.31	1.68	0.67
Literacy Serve and Learn	0.24	0.29	0.72	0.78
Multicultural and Academic Initiatives	0.27	0.44	0.38	0.77
President's Leadership Academy	19.48	6.27	0.51	0.01
Springboard	-0.04	0.19	0.05	1.04
UNIV 100	0.36	0.15	5.70*	0.69
University Program for Academic Success	0.26	0.26	0.99	0.77

Fall 2001 Cohort

Academic Investment in Math and Science	0.84	1.12	0.56	2.31
Batchelder Music Community	-0.29	0.32	0.82	0.75
BG Effect	-0.17	0.85	0.04	0.84
Chapman Learning Community	0.40	0.29	1.92	1.49
Health Sciences Residential Community	-0.55	0.34	2.54	0.58
Honors	0.10	0.27	0.13	1.10
Literacy Serve and Learn	0.48	0.30	2.59	1.61
Multicultural and Academic Initiatives	-0.27	0.40	0.44	0.76
Partners in Context and Community	0.25	0.86	0.09	1.29
President's Leadership Academy	19.73	12910.44	0.00	369052597.21
Springboard	0.60	0.21	8.20**	1.82
UNIV 100	0.16	0.13	1.65	1.18
University Program for Academic Success	0.05	0.22	0.06	1.06

Fall 2002 Cohort

Academic Investment in Math and Science	19.79	12632.91	0.00	0.00
Batchelder Music Community	0.68	0.37	3.31	0.51
BG Experience	1.07	0.44	5.90*	0.34
Chapman Learning Community	0.38	0.37	1.04	0.68
Health Sciences Residential Community	-0.52	0.37	1.95	1.68
Honors	0.49	0.29	2.78	0.61
Literacy Serve and Learn	0.75	0.39	3.71*	0.47
Multicultural and Academic Initiatives	-0.09	0.53	0.03	1.10
Partners in Context & Community	0.45	0.56	0.66	0.63
President's Leadership Academy	18.70	9271.73	0.00	0.00
SMART	0.19	0.37	0.26	0.83
Springboard	0.38	0.21	3.19	0.68
UNIV 100	0.22	0.12	3.05	0.81
University Program for Academic Success	-0.06	0.21	0.09	1.07

Fall 2003 Cohort

Academic Investment in Math and Science	19.17	11420.78	0.00	211765720.81
Arts Village	1.79	1.03	2.99	5.97
BA 150	0.26	0.28	0.90	1.30
Batchelder Music Community	1.44	0.74	3.80*	4.22
BG Connections	-0.32	0.26	1.52	0.73
BG Experience	-0.02	0.21	0.01	0.98
Chapman Learning Community	-0.02	0.27	0.01	0.98
Health Sciences Residential Community	-0.02	0.31	0.01	0.98
Honors	0.60	0.32	3.63	1.83
Literacy Serve and Learn	0.33	0.32	1.03	1.39
Multicultural and Academic Initiatives	0.33	0.38	0.78	1.40
Partners in Context & Community	0.56	0.55	1.02	1.74
President's Leadership Academy	0.65	1.08	0.36	1.92
SMART	1.01	0.45	4.98*	2.74
Springboard	0.29	0.23	1.57	1.33
UNIV 100	0.45	0.14	10.59**	1.57
UNIV 131	0.04	0.43	0.01	1.05
University Program for Academic Success	0.12	0.24	0.25	1.13

Fall 2004 Cohort

Academic Investment in Math and Science	19.35	11836.73	0.00	0.00
Arts Village	-0.71	0.38	3.49	2.03
BA 150	0.41	0.26	2.50	0.66
Batchelder Music Community	0.37	0.44	0.70	0.69
BG Experience	0.16	0.13	1.55	0.85
Chapman Learning Community	0.40	0.30	1.74	0.67
Health Sciences Residential Community	-0.24	0.27	0.76	1.27
Honors	0.88	0.37	5.84*	0.41
La Comunidad	0.25	1.12	0.05	0.78
La Maison Française	0.16	1.15	0.02	0.85
Literacy Serve and Learn	0.50	0.27	3.42	0.61
Multicultural and Academic Initiatives	0.15	0.32	0.22	0.86
Partners in Context & Community	0.26	0.51	0.26	0.77
President's Leadership Academy	0.14	0.80	0.03	0.87
SMART	0.24	0.34	0.49	0.79
Springboard	0.22	0.22	1.00	0.81
UNIV 100	0.21	0.13	2.49	0.81
UNIV 131	0.54	0.42	1.63	0.58
University Program for Academic Success	0.45	0.24	3.57	0.63

*p <= .05. **p <= .01.

Table 16

Summary of Logistic Regression Analysis Predicting Two-Year Retention After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.44	0.35	1.52	0.65
Chapman Learning Community	1.33	0.45	8.61**	3.76
Honors	-0.03	0.28	0.01	0.98
Multicultural and Academic Initiatives	-0.18	0.48	0.14	0.84
Springboard	-1.58	0.84	3.52	0.21
UNIV 100	0.22	0.16	2.03	1.25
<u>Fall 1998 Cohort</u>				
BG Effect	-0.02	0.42	0.00	0.98
Chapman Learning Community	0.49	0.37	1.76	1.63
Health Sciences Residential Community	-0.01	0.30	0.00	0.99
Honors	0.75	0.28	7.19**	2.12
Multicultural and Academic Initiatives	0.75	0.36	4.25*	2.12
President's Leadership Academy	-0.40	0.64	0.39	0.67
Springboard	0.68	0.22	9.40**	1.97
UNIV 100	0.38	0.13	8.37**	1.46
University Program for Academic Success	-0.65	0.28	5.49*	0.52
<u>Fall 1999 Cohort</u>				
BG Effect	-0.01	0.47	0.00	0.99
Chapman Learning Community	0.70	0.24	8.68**	2.01
Health Sciences Residential Community	-0.20	0.29	0.49	0.82
Honors	0.62	0.26	5.69*	1.86
Literacy Serve and Learn	0.40	0.21	3.74	1.49
Multicultural and Academic Initiatives	0.70	0.55	1.60	2.01
President's Leadership Academy	1.52	10.8	1.99	4.59
Springboard	0.23	0.20	1.23	1.26
UNIV 100	0.28	0.13	4.56*	1.32
University Program for Academic Success	0.00	0.21	0.01	1.00
<u>Fall 2000 Cohort</u>				
BG Effect	-0.14	0.46	0.09	0.87
Chapman Learning Community	0.29	0.25	1.36	1.33
Health Sciences Residential Community	-0.11	0.41	0.07	0.90
Honors	0.50	0.27	3.46	1.66
Literacy Serve and Learn	0.47	0.27	3.04	1.61
Multicultural and Academic Initiatives	0.27	0.39	0.49	1.32
President's Leadership Academy	19.89	11242.71	0.00	432766181.20
Springboard	0.20	0.18	1.22	1.22
UNIV 100	0.21	0.13	2.57	1.24
University Program for Academic Success	0.14	0.24	0.34	1.15

Fall 2001 Cohort

Academic Investment in Math and Science	1.19	1.11	1.15	3.29
Batchelder Music Community	0.21	0.33	0.42	1.24
BG Effect	0.22	0.85	0.07	1.25
Chapman Learning Community	0.12	0.26	0.22	1.13
Health Sciences Residential Community	-0.69	0.33	4.28*	0.50
Honors	0.00	0.24	0.00	1.00
Literacy Serve and Learn	0.20	0.26	0.64	1.23
Multicultural and Academic Initiatives	0.18	0.38	0.22	1.20
Partners in Context and Community	-0.59	0.76	0.60	0.56
President's Leadership Academy	20.15	12864.14	0.00	564628981.53
Springboard	0.38	0.18	4.33*	1.46
UNIV 100	0.03	0.12	0.06	1.03
University Program for Academic Success	0.15	0.21	0.50	1.16

Fall 2002 Cohort

Academic Investment in Math and Science	1.19	1.07	1.24	0.30
Batchelder Music Community	0.05	0.30	0.03	0.95
BG Experience	0.53	0.34	2.50	0.59
Chapman Learning Community	0.45	0.35	1.59	0.64
Health Sciences Residential Community	-0.34	0.36	0.89	1.41
Honors	0.35	0.25	1.97	0.70
Literacy Serve and Learn	0.78	0.35	4.81*	0.46
Multicultural and Academic Initiatives	-0.08	0.49	0.02	1.08
Partners in Context & Community	0.20	0.49	0.17	0.82
President's Leadership Academy	0.50	0.84	0.35	0.61
SMART	0.38	0.34	1.25	0.69
Springboard	0.33	0.20	2.78	0.72
UNIV 100	0.19	0.12	2.68	0.83
University Program for Academic Success	0.24	0.20	1.35	1.27

Fall 2003 Cohort

Academic Investment in Math and Science	19.64	11466.51	0.00	338814025.89
Arts Village	1.35	0.76	3.21	3.87
BA 150	-0.10	0.24	0.18	0.90
Batchelder Music Community	0.72	0.50	2.11	2.06
BG Experience	0.13	0.19	0.45	1.14
Chapman Learning Community	-0.04	0.25	0.02	0.96
Health Sciences Residential Community	-0.36	0.27	1.80	0.70
Honors	0.49	0.27	3.25	1.63
Literacy Serve and Learn	0.36	0.29	1.53	1.43
Multicultural and Academic Initiatives	-0.06	0.36	0.03	0.95
Partners in Context & Community	0.19	0.45	0.18	1.21
President's Leadership Academy	0.24	0.82	0.09	1.28
SMART	0.65	0.37	3.07	1.92
Springboard	0.26	0.21	1.52	1.29
UNIV 100	0.28	0.12	5.00*	1.32
UNIV 131	-0.11	0.39	0.08	0.90
University Program for Academic Success	0.03	0.22	0.02	1.03

*p <= .05. **p <= .01.

Table 17

Summary of Logistic Regression Analysis Predicting Three-Year Retention After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.45	0.34	1.68	0.64
Chapman Learning Community	1.21	0.40	8.97**	3.36
Honors	-0.04	0.26	0.02	0.96
Multicultural and Academic Initiatives	0.03	0.46	0.00	1.03
Springboard	-1.74	0.79	4.88*	0.18
UNIV 100	0.18	0.15	1.45	1.20
<u>Fall 1998 Cohort</u>				
BG Effect	-0.09	0.41	0.05	0.91
Chapman Learning Community	0.21	0.33	0.41	1.24
Health Sciences Residential Community	0.12	0.29	0.16	1.12
Honors	0.41	0.24	2.96	1.50
Multicultural and Academic Initiatives	0.66	0.36	3.41	1.94
President's Leadership Academy	-0.75	0.58	1.69	0.47
Springboard	0.46	0.20	5.30*	1.59
UNIV 100	0.30	0.13	5.92*	1.36
University Program for Academic Success	-0.45	0.27	2.74	0.64
<u>Fall 1999 Cohort</u>				
BG Effect	0.45	0.49	0.85	0.64
Chapman Learning Community	0.29	0.21	1.92	0.75
Health Sciences Residential Community	-0.14	0.29	0.24	1.15
Honors	0.23	0.22	1.06	0.80
Literacy Serve and Learn	0.42	0.20	4.57*	0.66
Multicultural and Academic Initiatives	0.21	0.54	0.15	0.81
President's Leadership Academy	1.67	1.07	2.46	0.19
Springboard	0.22	0.20	1.30	0.80
UNIV 100	0.32	0.13	6.40*	0.73
University Program for Academic Success	0.02	0.21	0.01	0.98
<u>Fall 2000 Cohort</u>				
BG Effect	-0.55	0.44	1.56	0.57
Chapman Learning Community	0.20	0.23	0.72	1.22
Health Sciences Residential Community	-0.66	0.38	3.07	0.52
Honors	0.38	0.25	2.46	1.47
Literacy Serve and Learn	0.46	0.26	3.10	1.58
Multicultural and Academic Initiatives	-0.02	0.38	0.00	0.98
President's Leadership Academy	20.32	11167.89	0.00	666949127.51
Springboard	0.19	0.17	1.23	1.21
UNIV 100	0.25	0.13	3.76*	1.29
University Program for Academic Success	0.19	0.23	0.65	1.21

Fall 2001 Cohort

Academic Investment in Math and Science	0.55	0.87	0.40	1.73
Batchelder Music Community	0.18	0.31	0.33	1.20
BG Effect	-0.27	0.78	0.12	0.76
Chapman Learning Community	0.06	0.25	0.05	1.06
Health Sciences Residential Community	-0.58	0.33	3.12	0.56
Honors	-0.25	0.22	1.35	0.78
Literacy Serve and Learn	0.33	0.25	1.65	1.39
Multicultural and Academic Initiatives	0.01	0.38	0.00	1.01
Partners in Context and Community	-0.42	0.76	0.30	0.66
President's Leadership Academy	20.38	12911.02	0.00	712733015.26
Springboard	0.28	0.18	2.52	1.32
UNIV 100	0.11	0.12	0.84	1.11
University Program for Academic Success	-0.02	0.22	0.01	0.98

Fall 2002 Cohort

Academic Investment in Math and Science	1.37	1.07	1.65	0.25
Batchelder Music Community	0.24	0.30	0.67	0.79
BG Experience	0.85	0.34	6.08**	0.43
Chapman Learning Community	0.26	0.33	0.61	0.77
Health Sciences Residential Community	-0.50	0.35	2.04	1.64
Honors	0.33	0.23	1.95	0.72
Literacy Serve and Learn	0.86	0.34	6.25**	0.43
Multicultural and Academic Initiatives	0.66	0.49	1.84	0.52
Partners in Context & Community	0.40	0.49	0.67	0.67
President's Leadership Academy	1.18	1.10	1.14	0.31
SMART	0.39	0.33	1.35	0.68
Springboard	0.20	0.19	1.09	0.82
UNIV 100	0.17	0.11	2.42	0.84
University Program for Academic Success	-0.06	0.20	0.10	1.07

*p <= .05. **p <= .01.

Table 18

Summary of Logistic Regression Analysis Predicting Four-Year Graduation After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.16	0.35	0.23	0.85
Chapman Learning Community	0.20	0.32	0.39	1.23
Honors	0.01	0.23	0.00	1.01
Multicultural and Academic Initiatives	-0.27	0.51	0.27	0.76
Springboard	0.00	0.75	0.00	1.00
UNIV 100	0.06	0.15	0.19	1.07
<u>Fall 1998 Cohort</u>				
BG Effect	0.13	0.48	0.07	0.88
Chapman Learning Community	-0.43	0.34	1.56	1.53
Health Sciences Residential Community	0.38	0.28	1.81	0.68
Honors	0.76	0.20	14.96**	0.47
Multicultural and Academic Initiatives	1.15	0.44	6.93**	0.32
President's Leadership Academy	-0.23	0.59	0.15	1.25
Springboard	0.56	0.19	8.45**	0.57
UNIV 100	-0.03	0.13	0.04	1.03
University Program for Academic Success	-0.52	0.37	2.03	1.68
<u>Fall 1999 Cohort</u>				
BG Effect	0.05	0.45	0.01	0.96
Chapman Learning Community	-0.20	0.21	0.88	1.22
Health Sciences Residential Community	0.11	0.29	0.15	0.89
Honors	0.37	0.19	3.85*	0.69
Literacy Serve and Learn	0.19	0.18	1.09	0.83
Multicultural and Academic Initiatives	0.21	0.66	0.10	0.81
President's Leadership Academy	-0.70	0.58	1.49	2.02
Springboard	0.03	0.20	0.03	0.97
UNIV 100	0.26	0.13	4.28*	0.77
University Program for Academic Success	-0.32	0.27	1.39	1.38
<u>Fall 2000 Cohort</u>				
BG Effect	-0.53	0.50	1.12	0.59
Chapman Learning Community	-0.14	0.24	0.37	0.87
Health Sciences Residential Community	0.36	0.37	0.95	1.43
Honors	0.41	0.20	4.26*	1.51
Literacy Serve and Learn	0.25	0.24	1.09	1.28
Multicultural and Academic Initiatives	0.28	0.40	0.50	1.33
President's Leadership Academy	-0.56	0.65	0.74	0.57
Springboard	0.42	0.17	6.03**	1.53
UNIV 100	0.23	0.13	3.30	1.26
University Program for Academic Success	-0.22	0.28	0.64	0.80

Fall 2001 Cohort

Academic Investment in Math and Science	0.01	0.80	0.00	1.01
Batchelder Music Community	-0.13	0.30	0.20	0.87
BG Effect	-0.27	0.78	0.12	0.76
Chapman Learning Community	0.18	0.26	0.49	1.20
Health Sciences Residential Community	-0.14	0.35	0.16	0.87
Honors	0.33	0.20	2.61	1.39
Literacy Serve and Learn	0.09	0.25	0.11	1.09
Multicultural and Academic Initiatives	-0.17	0.43	0.17	0.84
Partners in Context and Community	-1.60	1.12	2.02	0.20
President's Leadership Academy	0.84	0.78	1.15	2.31
Springboard	0.19	0.18	1.14	1.21
UNIV 100	-0.17	0.12	2.06	0.84
University Program for Academic Success	-0.11	0.27	0.17	0.89

*p <= .05. **p <= .01.

Table 19

Summary of Logistic Regression Analysis Predicting Five-Year Graduation After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.46	0.34	1.81	0.63
Chapman Learning Community	1.10	0.37	9.05**	3.02
Honors	-0.02	0.26	0.01	0.98
Multicultural and Academic Initiatives	-0.01	0.46	0.00	0.99
Springboard	-1.88	0.77	5.97*	0.15
UNIV 100	0.03	0.15	0.05	1.03
<u>Fall 1998 Cohort</u>				
BG Effect	-0.25	0.43	0.35	1.29
Chapman Learning Community	0.45	0.33	1.90	0.63
Health Sciences Residential Community	-0.22	0.28	0.64	1.25
Honors	0.53	0.23	5.26*	0.59
Multicultural and Academic Initiatives	0.89	0.36	6.17*	0.41
President's Leadership Academy	-0.12	0.61	0.04	1.13
Springboard	0.73	0.20	12.73**	0.48
UNIV 100	0.23	0.12	3.77*	0.79
University Program for Academic Success	-0.51	0.28	3.31	1.66
<u>Fall 1999 Cohort</u>				
BG Effect	0.26	0.46	0.33	0.77
Chapman Learning Community	0.04	0.20	0.03	0.96
Health Sciences Residential Community	-0.14	0.29	0.25	1.15
Honors	0.41	0.23	3.37	0.66
Literacy Serve and Learn	0.46	0.19	5.91*	0.63
Multicultural and Academic Initiatives	0.24	0.56	0.18	0.79
President's Leadership Academy	0.31	0.64	0.23	0.74
Springboard	0.16	0.19	0.72	0.85
UNIV 100	0.37	0.12	8.83**	0.69
University Program for Academic Success	0.11	0.21	0.27	0.89
<u>Fall 2000 Cohort</u>				
BG Effect	-0.28	0.45	0.40	0.75
Chapman Learning Community	-0.13	0.22	0.36	0.87
Health Sciences Residential Community	-0.43	0.38	1.25	0.65
Honors	0.41	0.24	2.95	1.51
Literacy Serve and Learn	0.54	0.25	4.51*	1.71
Multicultural and Academic Initiatives	0.14	0.37	0.13	1.15
President's Leadership Academy	20.60	10875.44	0.00	888121339.71
Springboard	0.30	0.17	2.96	1.34
UNIV 100	0.31	0.13	5.93*	1.36
University Program for Academic Success	0.24	0.23	1.04	1.27

*p <= .05. **p <= .01.

Table 20

Summary of Logistic Regression Analysis Predicting Six-Year Graduation After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.57	0.34	2.83	0.56
Chapman Learning Community	0.97	0.37	7.08**	2.65
Honors	0.11	0.27	0.18	1.12
Multicultural and Academic Initiatives	0.02	0.46	0.00	1.02
Springboard	-0.91	0.80	1.29	0.40
UNIV 100	0.11	0.15	0.58	1.12
<u>Fall 1998 Cohort</u>				
BG Effect	-0.06	0.41	0.02	1.06
Chapman Learning Community	0.25	0.33	0.58	0.78
Health Sciences Residential Community	-0.05	0.29	0.03	1.05
Honors	0.50	0.24	4.29*	0.61
Multicultural and Academic Initiatives	0.89	0.36	6.23**	0.41
President's Leadership Academy	-0.37	0.61	0.36	1.44
Springboard	0.63	0.21	9.37**	0.53
UNIV 100	0.25	0.12	4.33*	0.77
University Program for Academic Success	-0.40	0.27	2.13	1.49
<u>Fall 1999 Cohort</u>				
BG Effect	0.34	0.47	0.51	0.71
Chapman Learning Community	0.09	0.20	0.19	0.92
Health Sciences Residential Community	-0.19	0.29	0.45	1.21
Honors	0.32	0.23	1.90	0.73
Literacy Serve and Learn	0.42	0.19	4.72*	0.66
Multicultural and Academic Initiatives	0.03	0.55	0.00	0.97
President's Leadership Academy	0.63	0.70	0.82	0.53
Springboard	0.11	0.19	0.31	0.90
UNIV 100	0.33	0.12	6.83**	0.72
University Program for Academic Success	0.19	0.21	0.77	0.83

*p <= .05. **p <= .01.

Table 21

Summary of Regression Analysis Predicting Cumulative GPA at the End of the First Academic Year After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-0.19	0.11	-0.04
Chapman Learning Community	0.53	0.09	0.14**
Honors	0.24	0.07	0.09**
Multicultural and Academic Initiatives	-0.07	0.14	-0.02
Springboard	-0.18	0.23	-0.02
UNIV 100	0.07	0.05	0.04
<u>Fall 1998 Cohort</u>			
BG Effect	-0.10	0.13	-0.02
Chapman Learning Community	0.19	0.09	0.04*
Health Sciences Residential Community	0.03	0.09	0.01
Honors	0.21	0.06	0.08**
Multicultural and Academic Initiatives	0.16	0.11	0.05
President's Leadership Academy	-0.04	0.18	-0.00
Springboard	0.12	0.06	0.04*
UNIV 100	0.09	0.04	0.05**
University Program for Academic Success	0.19	0.09	0.05*
<u>Fall 1999 Cohort</u>			
BG Effect	0.18	0.14	0.02
Chapman Learning Community	0.25	0.06	0.08**
Health Sciences Residential Community	0.04	0.09	0.01
Honors	0.14	0.06	0.05*
Literacy Serve and Learn	0.16	0.05	0.05*
Multicultural and Academic Initiatives	-0.03	0.16	-0.01
President's Leadership Academy	-0.06	0.16	-0.01
Springboard	0.15	0.06	0.05*
UNIV 100	0.11	0.04	0.06**
University Program for Academic Success	0.27	0.07	0.09**
<u>Fall 2000 Cohort</u>			
BG Effect	0.11	0.14	0.02
Chapman Learning Community	0.28	0.07	0.08**
Health Sciences Residential Community	-0.24	0.11	-0.04*
Honors	0.17	0.06	0.06**
Literacy Serve and Learn	0.17	0.07	0.05*
Multicultural and Academic Initiatives	0.13	0.11	0.04
President's Leadership Academy	0.01	0.18	0.00
Springboard	0.11	0.05	0.04*
UNIV 100	0.09	0.04	0.05*
University Program for Academic Success	0.30	0.08	0.09**

Fall 2001 Cohort

Academic Investment in Math and Science	-0.55	0.22	-0.05**
Batchelder Music Community	0.19	0.09	0.04*
BG Effect	-0.10	0.22	-0.01
Chapman Learning Community	0.33	0.07	0.10**
Health Sciences Residential Community	-0.14	0.10	-0.03
Honors	0.20	0.05	0.09**
Literacy Serve and Learn	0.01	0.07	0.00
Multicultural and Academic Initiatives	0.05	0.12	0.02
Partners in Context and Community	-0.14	0.21	-0.01
President's Leadership Academy	0.03	0.18	0.00
Springboard	-0.03	0.05	-0.01
UNIV 100	0.08	0.03	0.05*
University Program for Academic Success	0.10	0.07	0.03

Fall 2002 Cohort

Academic Investment in Math and Science	0.00	0.21	0.00
Batchelder Music Community	0.27	0.09	0.05**
BG Experience	0.14	0.09	0.03
Chapman Learning Community	0.14	0.10	0.03
Health Sciences Residential Community	0.06	0.12	0.01
Honors	0.15	0.06	0.05**
Literacy Serve and Learn	0.19	0.09	0.04*
Multicultural and Academic Initiatives	-0.22	0.17	-0.08
Partners in Context & Community	0.32	0.14	0.04*
President's Leadership Academy	-0.02	0.19	0.00
SMART	-0.15	0.10	-0.03
Springboard	0.12	0.06	0.04*
UNIV 100	0.13	0.04	0.07**
University Program for Academic Success	0.25	0.07	0.07**

Fall 2003 Cohort

Academic Investment in Math and Science	0.19	0.19	0.02
Arts Village	0.32	0.15	0.04*
BA 150	-0.03	0.07	-0.01
Batchelder Music Community	0.23	0.11	0.04*
BG Experience	-0.06	0.05	-0.02
Chapman Learning Community	-0.07	0.08	-0.02
Health Sciences Residential Community	-0.20	0.08	-0.05*
Honors	0.14	0.06	0.05*
Literacy Serve and Learn	0.22	0.08	0.05**
Multicultural and Academic Initiatives	0.18	0.11	0.07
Partners in Context & Community	0.25	0.13	0.04*
President's Leadership Academy	0.23	0.20	0.02
SMART	0.01	0.09	0.00
Springboard	0.03	0.06	0.01
UNIV 100	0.11	0.04	0.06**
UNIV 131	0.17	0.13	0.03
University Program for Academic Success	0.14	0.07	0.04

Fall 2004 Cohort

Academic Investment in Math and Science	0.15	0.20	0.01
Arts Village	0.26	0.11	0.04*
BA 150	-0.01	0.06	0.00
Batchelder Music Community	0.11	0.11	0.02
BG Experience	0.05	0.03	0.03
Chapman Learning Community	0.10	0.07	0.03
Health Sciences Residential Community	-0.13	0.08	-0.03
Honors	0.15	0.06	0.05**
La Comunidad	-0.28	0.22	-0.02
La Maison Française	0.11	0.29	0.01
Literacy Serve and Learn	0.14	0.06	0.04*
Multicultural and Academic Initiatives	0.15	0.09	0.05
Partners in Context & Community	0.10	0.13	0.01
President's Leadership Academy	0.03	0.17	0.00
SMART	-0.10	0.08	-0.03
Springboard	0.02	0.06	0.01
UNIV 100	0.15	0.04	0.09**
UNIV 131	0.22	0.10	0.04*
University Program for Academic Success	0.20	0.07	0.06**

Fall 2005 Cohort

Academic Investment in Math and Science	0.25	0.25	0.02
Arts Village	-0.25	0.10	-0.05*
BA 150	-0.01	0.06	0.00
Batchelder Music Community	-0.01	0.11	0.00
BG Experience	0.13	0.14	0.02
Chapman Learning Community	0.18	0.07	0.05**
Health Sciences Residential Community	-0.04	0.07	-0.01
Honors	0.15	0.06	0.05*
Literacy Serve and Learn	0.27	0.06	0.08**
Multicultural and Academic Initiatives	0.12	0.08	0.05
Partners in Context & Community	0.22	0.14	0.03
President's Leadership Academy	0.42	0.18	0.05*
SMART	0.03	0.08	0.01
Springboard	0.07	0.05	0.03
UNIV 100	0.16	0.04	0.09**
UNIV 131	0.26	0.11	0.04*
University Program for Academic Success	0.21	0.08	0.05**

Note. Fall 1997 Cohort: $R^2 = .33$ ($N = 1,254$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .37$ ($N = 1,878$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .36$ ($N = 1,843$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .36$ ($N = 1,697$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .39$ ($N = 1,498$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .36$ ($N = 1,802$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .33$ ($N = 1,812$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .35$ ($N = 1,954$, $p < .01$).

Note. Fall 2005 Cohort: $R^2 = .38$ ($N = 1,765$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 22

Summary of Regression Analysis Predicting Cumulative GPA at the End of the Second Academic Year After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.08	0.10	0.02
Chapman Learning Community	0.17	0.08	0.06*
Honors	0.23	0.06	0.11**
Multicultural and Academic Initiatives	0.13	0.12	0.04
Springboard	0.11	0.21	0.02
UNIV 100	0.05	0.04	0.03
<u>Fall 1998 Cohort</u>			
BG Effect	0.29	0.12	0.05*
Chapman Learning Community	-0.03	0.08	-0.01
Health Sciences Residential Community	-0.07	0.70	-0.02
Honors	0.26	0.05	0.13**
Multicultural and Academic Initiatives	0.22	0.09	0.08*
President's Leadership Academy	-0.23	0.14	-0.04
Springboard	0.04	0.05	0.02
UNIV 100	0.04	0.03	0.03
University Program for Academic Success	-0.10	0.08	-0.03
<u>Fall 1999 Cohort</u>			
BG Effect	0.21	0.12	0.02
Chapman Learning Community	0.03	0.05	0.01
Health Sciences Residential Community	0.08	0.08	0.02
Honors	0.15	0.05	0.07**
Literacy Serve and Learn	0.16	0.04	0.07**
Multicultural and Academic Initiatives	0.06	0.15	0.02
President's Leadership Academy	-0.13	0.13	-0.02
Springboard	0.09	0.05	0.04
UNIV 100	0.03	0.03	0.02
University Program for Academic Success	0.10	0.06	0.04
<u>Fall 2000 Cohort</u>			
BG Effect	-0.05	0.12	-0.01
Chapman Learning Community	0.03	0.06	0.01
Health Sciences Residential Community	-0.28	0.10	-0.06**
Honors	0.20	0.05	0.10**
Literacy Serve and Learn	0.23	0.06	0.08**
Multicultural and Academic Initiatives	-0.04	0.09	-0.01
President's Leadership Academy	0.05	0.14	0.01
Springboard	0.10	0.05	0.05*
UNIV 100	0.07	0.03	0.05*
University Program for Academic Success	0.06	0.07	0.02

Fall 2001 Cohort

Academic Investment in Math and Science	-0.24	0.21	-0.02
Batchelder Music Community	-0.01	0.08	0.00
BG Effect	-0.22	0.19	-0.02
Chapman Learning Community	0.19	0.07	0.06**
Health Sciences Residential Community	-0.04	0.10	-0.01
Honors	0.16	0.05	0.08**
Literacy Serve and Learn	0.05	0.06	0.02
Multicultural and Academic Initiatives	-0.02	0.11	-0.01
Partners in Context and Community	-0.20	0.21	-0.02
President's Leadership Academy	0.02	0.16	0.00
Springboard	-0.11	0.04	-0.05**
UNIV 100	0.02	0.03	0.02
University Program for Academic Success	0.10	0.07	0.03

Fall 2002 Cohort

Academic Investment in Math and Science	-0.03	0.17	0.00
Batchelder Music Community	0.07	0.08	0.02
BG Experience	0.02	0.07	0.01
Chapman Learning Community	0.06	0.09	0.01
Health Sciences Residential Community	0.21	0.10	0.04*
Honors	0.20	0.05	0.09**
Literacy Serve and Learn	0.21	0.07	0.06**
Multicultural and Academic Initiatives	0.01	0.14	0.00
Partners in Context & Community	0.25	0.12	0.04*
President's Leadership Academy	0.00	0.14	0.00
SMART	-0.23	0.09	-0.07**
Springboard	0.02	0.05	0.01
UNIV 100	0.12	0.03	0.08**
University Program for Academic Success	0.10	0.06	0.04

Fall 2003 Cohort

Academic Investment in Math and Science	0.12	0.15	0.02
Arts Village	0.31	0.12	0.05*
BA 150	-0.12	0.06	-0.04
Batchelder Music Community	0.04	0.09	0.01
BG Experience	0.00	0.05	0.00
Chapman Learning Community	0.04	0.07	0.01
Health Sciences Residential Community	-0.07	0.07	-0.02
Honors	0.16	0.05	0.07**
Literacy Serve and Learn	0.18	0.06	0.06**
Multicultural and Academic Initiatives	0.14	0.09	0.07
Partners in Context & Community	0.12	0.10	0.02
President's Leadership Academy	0.13	0.16	0.02
SMART	0.01	0.08	0.00
Springboard	0.08	0.06	0.03
UNIV 100	0.06	0.03	0.04
UNIV 131	0.19	0.12	0.03
University Program for Academic Success	-0.02	0.07	-0.01

Fall 2004 Cohort

Academic Investment in Math and Science	-0.06	0.16	-0.01
Arts Village	0.10	0.10	0.02
BA 150	-0.14	0.05	-0.05**
Batchelder Music Community	-0.06	0.09	-0.01
BG Experience	0.04	0.03	0.03
Chapman Learning Community	0.04	0.06	0.01
Health Sciences Residential Community	-0.07	0.07	-0.02
Honors	0.17	0.05	0.08**
La Comunidad	-0.18	0.18	-0.02
La Maison Française	0.74	0.30	0.05**
Literacy Serve and Learn	0.09	0.05	0.03
Multicultural and Academic Initiatives	0.16	0.08	0.07*
Partners in Context & Community	0.10	0.11	0.02
President's Leadership Academy	-0.06	0.14	-0.01
SMART	-0.16	0.07	-0.05*
Springboard	0.02	0.05	0.01
UNIV 100	0.11	0.03	0.08**
UNIV 131	0.16	0.08	0.04*
University Program for Academic Success	-0.06	0.07	-0.02

Note. Fall 1997 Cohort: $R^2 = .38$ (N = 1,002, p < .01).

Note. Fall 1998 Cohort: $R^2 = .40$ (N = 1,549, p < .01).

Note. Fall 1999 Cohort: $R^2 = .39$ (N = 1,493, p < .01).

Note. Fall 2000 Cohort: $R^2 = .41$ (N = 1,385, p < .01).

Note. Fall 2001 Cohort: $R^2 = .42$ (N = 1,416, p < .01).

Note. Fall 2002 Cohort: $R^2 = .39$ (N = 1,434, p < .01).

Note. Fall 2003 Cohort: $R^2 = .37$ (N = 1,491, p < .01).

Note. Fall 2004 Cohort: $R^2 = .41$ (N = 1,628, p < .01).

*p <= .05. **p <= .01.

Table 23

Summary of Regression Analysis Predicting Cumulative GPA at the End of the Third Academic Year After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-0.03	0.09	-0.01
Chapman Learning Community	0.13	0.07	0.05
Honors	0.20	0.05	0.11**
Multicultural and Academic Initiatives	0.09	0.12	0.03
Springboard	0.18	0.20	0.03
UNIV 100	0.06	0.04	0.05
<u>Fall 1998 Cohort</u>			
BG Effect	0.20	0.12	0.04
Chapman Learning Community	-0.05	0.08	-0.02
Health Sciences Residential Community	-0.05	0.07	-0.02
Honors	0.22	0.04	0.12**
Multicultural and Academic Initiatives	0.21	0.09	0.09*
President's Leadership Academy	-0.16	0.13	-0.03
Springboard	0.06	0.05	0.03
UNIV 100	0.05	0.03	0.04
University Program for Academic Success	-0.05	0.08	-0.01
<u>Fall 1999 Cohort</u>			
BG Effect	0.10	0.11	0.02
Chapman Learning Community	-0.03	0.05	-0.01
Health Sciences Residential Community	0.12	0.08	0.03
Honors	0.15	0.04	0.08**
Literacy Serve and Learn	0.22	0.04	0.11**
Multicultural and Academic Initiatives	0.02	0.16	0.01
President's Leadership Academy	-0.22	0.12	-0.04
Springboard	0.04	0.05	0.02
UNIV 100	0.01	0.03	0.01
University Program for Academic Success	0.08	0.06	0.03
<u>Fall 2000 Cohort</u>			
BG Effect	-0.02	0.12	0.00
Chapman Learning Community	0.00	0.06	0.00
Health Sciences Residential Community	-0.25	0.10	-0.06**
Honors	0.17	0.05	0.09**
Literacy Serve and Learn	0.24	0.06	0.09**
Multicultural and Academic Initiatives	0.00	0.09	0.00
President's Leadership Academy	-0.03	0.13	0.00
Springboard	0.06	0.04	0.03
UNIV 100	0.09	0.03	0.07**
University Program for Academic Success	0.01	0.06	0.00

Fall 2001 Cohort

Academic Investment in Math and Science	-0.49	0.18	-0.06**
Batchelder Music Community	0.02	0.07	0.01
BG Effect	-0.28	0.18	-0.03
Chapman Learning Community	0.20	0.06	0.07**
Health Sciences Residential Community	-0.09	0.09	-0.02
Honors	0.14	0.04	0.07**
Literacy Serve and Learn	0.08	0.06	0.03
Multicultural and Academic Initiatives	0.07	0.11	0.03
Partners in Context and Community	0.29	0.25	0.02
President's Leadership Academy	0.00	0.15	0.00
Springboard	-0.08	0.04	-0.04*
UNIV 100	0.05	0.03	0.04
University Program for Academic Success	-0.04	0.07	-0.02

Fall 2002 Cohort

Academic Investment in Math and Science	-0.07	0.16	-0.01
Batchelder Music Community	0.15	0.08	0.04*
BG Experience	0.08	0.07	0.03
Chapman Learning Community	-0.06	0.09	-0.01
Health Sciences Residential Community	0.13	0.10	0.03
Honors	0.19	0.05	0.10**
Literacy Serve and Learn	0.12	0.07	0.04
Multicultural and Academic Initiatives	0.14	0.14	0.07
Partners in Context & Community	0.26	0.11	0.05*
President's Leadership Academy	-0.13	0.14	-0.02
SMART	-0.27	0.09	-0.09**
Springboard	0.05	0.05	0.02
UNIV 100	0.15	0.03	0.12**
University Program for Academic Success	0.06	0.06	0.02

Fall 2003 Cohort

Academic Investment in Math and Science	0.10	0.14	0.02
Arts Village	0.20	0.12	0.04
BA 150	-0.11	0.07	-0.04
Batchelder Music Community	0.12	0.09	0.03
BG Experience	0.00	0.04	0.00
Chapman Learning Community	0.03	0.07	0.01
Health Sciences Residential Community	-0.13	0.07	-0.04
Honors	0.13	0.05	0.07**
Literacy Serve and Learn	0.24	0.06	0.08**
Multicultural and Academic Initiatives	0.15	0.09	0.08
Partners in Context & Community	0.13	0.10	0.03
President's Leadership Academy	0.14	0.16	0.02
SMART	0.01	0.08	0.00
Springboard	0.05	0.05	0.02
UNIV 100	0.07	0.03	0.06*
UNIV 131	0.19	0.12	0.04
University Program for Academic Success	-0.06	0.06	-0.02

Note. Fall 1997 Cohort: $R^2 = .34$ ($N = 934$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .39$ ($N = 1,413$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .38$ ($N = 1,369$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .38$ ($N = 1,265$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .41$ ($N = 1,297$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .38$ ($N = 1,331$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .37$ ($N = 1,375$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 24

Summary of Regression Analysis Predicting Cumulative GPA at the End of the Fourth Academic Year After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.09	0.09	0.00
Chapman Learning Community	0.08	0.07	0.04
Honors	0.19	0.05	0.11**
Multicultural and Academic Initiatives	0.09	0.12	0.03
Springboard	0.09	0.19	0.01
UNIV 100	0.03	0.04	0.02
<u>Fall 1998 Cohort</u>			
BG Effect	0.14	0.12	0.03
Chapman Learning Community	-0.06	0.07	-0.02
Health Sciences Residential Community	-0.11	0.07	-0.04
Honors	0.15	0.04	0.09**
Multicultural and Academic Initiatives	0.29	0.09	0.12**
President's Leadership Academy	-0.07	0.14	-0.01
Springboard	0.04	0.04	0.02
UNIV 100	0.05	0.03	0.04
University Program for Academic Success	0.01	0.08	0.00
<u>Fall 1999 Cohort</u>			
BG Effect	0.08	0.10	0.02
Chapman Learning Community	-0.02	0.05	-0.01
Health Sciences Residential Community	0.08	0.07	0.02
Honors	0.17	0.04	0.10**
Literacy Serve and Learn	0.22	0.04	0.12**
Multicultural and Academic Initiatives	-0.12	0.15	-0.06
President's Leadership Academy	-0.24	0.12	-0.05*
Springboard	0.03	0.05	0.02
UNIV 100	-0.01	0.03	0.00
University Program for Academic Success	0.09	0.06	0.04
<u>Fall 2000 Cohort</u>			
BG Effect	0.20	0.12	0.04
Chapman Learning Community	-0.08	0.06	-0.03
Health Sciences Residential Community	-0.18	0.10	-0.04
Honors	0.13	0.04	0.08**
Literacy Serve and Learn	0.28	0.06	0.12**
Multicultural and Academic Initiatives	0.00	0.09	0.00
President's Leadership Academy	-0.06	0.13	-0.01
Springboard	0.03	0.04	0.02
UNIV 100	0.08	0.03	0.07**
University Program for Academic Success	0.01	0.06	0.01

Fall 2001 Cohort

Academic Investment in Math and Science	-0.19	0.19	-0.02
Batchelder Music Community	0.06	0.07	0.02
BG Effect	-0.13	0.19	-0.02
Chapman Learning Community	0.10	0.07	0.04
Health Sciences Residential Community	-0.03	0.10	-0.01
Honors	0.08	0.05	0.05
Literacy Serve and Learn	0.08	0.06	0.03
Multicultural and Academic Initiatives	0.01	0.11	0.00
Partners in Context and Community	0.28	0.24	0.03
President's Leadership Academy	-0.02	0.14	0.00
Springboard	-0.09	0.04	-0.05*
UNIV 100	0.05	0.03	0.04
University Program for Academic Success	0.03	0.07	0.01

Note. Fall 1997 Cohort: $R^2 = .30$ (N = 862, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .35$ (N = 1,322, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .36$ (N = 1,251, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .35$ (N = 1,167, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .38$ (N = 1,181, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 25

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the First Academic Year After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-1.52	0.98	-0.04
Chapman Learning Community	3.06	0.87	0.10**
Honors	3.47	0.66	0.15**
Multicultural and Academic Initiatives	1.09	1.30	0.03
Springboard	-2.56	2.11	-0.03
UNIV 100	0.06	0.42	0.00
<u>Fall 1998 Cohort</u>			
BG Effect	-2.21	1.25	-0.04
Chapman Learning Community	0.84	0.91	0.02
Health Sciences Residential Community	-0.51	0.84	-0.01
Honors	2.97	0.55	0.12**
Multicultural and Academic Initiatives	1.79	1.07	0.06
President's Leadership Academy	-1.01	1.74	-0.01
Springboard	0.07	0.56	0.00
UNIV 100	0.14	0.36	0.01
University Program for Academic Success	-1.46	0.85	-0.04
<u>Fall 1999 Cohort</u>			
BG Effect	0.41	1.34	0.01
Chapman Learning Community	1.53	0.57	0.06**
Health Sciences Residential Community	0.65	0.83	0.02
Honors	2.18	0.55	0.09**
Literacy Serve and Learn	1.43	0.52	0.06**
Multicultural and Academic Initiatives	1.45	1.59	0.05
President's Leadership Academy	0.36	1.57	0.01
Springboard	-0.05	0.57	-0.00
UNIV 100	0.13	0.36	0.01
University Program for Academic Success	-0.38	0.68	-0.01
<u>Fall 2000 Cohort</u>			
BG Effect	0.51	1.37	0.01
Chapman Learning Community	1.12	0.68	0.04
Health Sciences Residential Community	-0.69	1.09	-0.01
Honors	1.10	0.58	0.05
Literacy Serve and Learn	1.33	0.70	0.04
Multicultural and Academic Initiatives	3.48	1.11	0.12**
President's Leadership Academy	0.67	1.80	0.01
Springboard	0.21	0.52	0.01
UNIV 100	-0.03	0.37	-0.00
University Program for Academic Success	0.63	0.76	0.02

Fall 2001 Cohort

Academic Investment in Math and Science	-2.69	2.72	-0.02
Batchelder Music Community	0.18	1.05	0.00
BG Effect	-1.38	3.19	-0.01
Chapman Learning Community	1.10	0.88	0.03
Health Sciences Residential Community	-1.07	1.18	-0.02
Honors	3.80	0.67	0.13**
Literacy Serve and Learn	0.38	0.84	0.01
Multicultural and Academic Initiatives	0.92	1.38	0.03
Partners in Context and Community	0.43	2.67	0.00
President's Leadership Academy	0.79	2.42	0.01
Springboard	0.10	0.60	0.00
UNIV 100	-0.10	0.41	-0.01
University Program for Academic Success	-0.95	0.81	-0.03

Fall 2002 Cohort

Academic Investment in Math and Science	-1.32	2.21	-0.01
Batchelder Music Community	1.12	0.99	0.02
BG Experience	0.72	0.97	0.02
Chapman Learning Community	-0.18	1.10	0.00
Health Sciences Residential Community	0.72	1.22	0.01
Honors	3.10	0.65	0.11**
Literacy Serve and Learn	0.72	0.94	0.02
Multicultural and Academic Initiatives	-2.02	1.77	-0.07
Partners in Context & Community	0.41	1.52	0.01
President's Leadership Academy	3.71	1.94	0.05
SMART	-0.80	1.08	-0.02
Springboard	0.16	0.64	0.01
UNIV 100	-0.34	0.38	-0.02
University Program for Academic Success	-0.02	0.78	0.00

Fall 2003 Cohort

Academic Investment in Math and Science	1.81	1.95	0.02
Arts Village	0.35	1.57	0.00
BA 150	-0.63	0.77	-0.02
Batchelder Music Community	-0.16	1.17	0.00
BG Experience	-0.40	0.56	-0.02
Chapman Learning Community	-0.34	0.81	-0.01
Health Sciences Residential Community	-0.71	0.86	-0.02
Honors	2.96	0.64	0.11**
Literacy Serve and Learn	0.99	0.79	0.03
Multicultural and Academic Initiatives	-0.11	1.08	0.00
Partners in Context & Community	3.41	1.29	0.06**
President's Leadership Academy	4.52	2.02	0.05*
SMART	-0.79	0.97	-0.02
Springboard	-1.44	0.65	-0.05*
UNIV 100	-0.20	0.38	-0.01
UNIV 131	0.35	1.34	0.01
University Program for Academic Success	0.12	0.77	0.00

Fall 2004 Cohort

Academic Investment in Math and Science	2.74	2.11	0.03
Arts Village	2.56	1.20	0.04*
BA 150	-0.51	0.66	-0.02
Batchelder Music Community	0.71	1.15	0.01
BG Experience	0.33	0.35	0.02
Chapman Learning Community	0.36	0.74	0.01
Health Sciences Residential Community	0.13	0.81	0.00
Honors	4.28	0.61	0.15**
La Comunidad	-2.98	2.33	-0.03
La Maison Française	-1.27	3.07	-0.01
Literacy Serve and Learn	0.54	0.65	0.02
Multicultural and Academic Initiatives	0.62	0.91	0.02
Partners in Context & Community	-0.57	1.34	-0.01
President's Leadership Academy	0.45	1.85	0.01
SMART	-1.61	0.89	-0.05
Springboard	-1.39	0.61	-0.05*
UNIV 100	-0.30	0.37	-0.02
UNIV 131	1.07	1.02	0.02
University Program for Academic Success	0.98	0.78	0.03

Fall 2005 Cohort

Academic Investment in Math and Science	0.26	2.71	0.00
Arts Village	0.33	1.13	0.01
BA 150	-0.82	0.70	-0.03
Batchelder Music Community	0.49	1.23	0.01
BG Experience	0.27	1.58	0.00
Chapman Learning Community	0.55	0.71	0.02
Health Sciences Residential Community	0.33	0.75	0.01
Honors	4.75	0.67	0.17**
Literacy Serve and Learn	1.63	0.70	0.05*
Multicultural and Academic Initiatives	1.41	0.84	0.06
Partners in Context & Community	0.47	1.57	0.01
President's Leadership Academy	6.00	1.95	0.07**
SMART	0.29	0.82	0.01
Springboard	-0.46	0.56	-0.02
UNIV 100	-0.16	0.41	-0.01
UNIV 131	1.67	1.21	0.03
University Program for Academic Success	0.10	0.90	0.00

Note. Fall 1997 Cohort: $R^2 = .21$ ($N = 1,254$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .25$ ($N = 1,878$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .20$ ($N = 1,843$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .23$ ($N = 1,694$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .24$ ($N = 1,805$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .24$ ($N = 1,802$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .22$ ($N = 1,812$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .26$ ($N = 1,954$, $p < .01$).

Note. Fall 2005 Cohort: $R^2 = .25$ ($N = 1,765$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 26

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Second Academic Year After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	1.55	1.80	0.02
Chapman Learning Community	1.95	1.35	0.04
Honors	5.81	1.02	0.18**
Multicultural and Academic Initiatives	2.87	2.19	0.05
Springboard	-0.63	3.70	-0.01
UNIV 100	0.82	0.69	0.03
<u>Fall 1998 Cohort</u>			
BG Effect	0.45	2.09	0.01
Chapman Learning Community	1.40	1.34	0.02
Health Sciences Residential Community	-0.51	1.23	-0.01
Honors	4.28	0.79	0.14**
Multicultural and Academic Initiatives	4.57	1.62	0.11**
President's Leadership Academy	-3.65	2.40	-0.04
Springboard	0.23	0.82	0.01
UNIV 100	0.35	0.54	0.02
University Program for Academic Success	-2.94	1.37	-0.06*
<u>Fall 1999 Cohort</u>			
BG Effect	0.72	2.06	0.01
Chapman Learning Community	0.15	0.87	0.00
Health Sciences Residential Community	0.74	1.34	0.01
Honors	2.57	0.82	0.08**
Literacy Serve and Learn	2.05	0.80	0.06*
Multicultural and Academic Initiatives	5.50	2.63	0.14*
President's Leadership Academy	-0.14	2.31	-0.00
Springboard	-1.39	0.88	-0.04
UNIV 100	-0.66	0.57	-0.03
University Program for Academic Success	-1.13	1.07	-0.03
<u>Fall 2000 Cohort</u>			
BG Effect	-1.38	2.33	-0.01
Chapman Learning Community	0.48	1.09	0.01
Health Sciences Residential Community	-0.52	1.79	-0.01
Honors	2.33	0.89	0.07**
Literacy Serve and Learn	2.33	1.11	0.05*
Multicultural and Academic Initiatives	3.22	1.76	0.08
President's Leadership Academy	0.44	2.66	0.00
Springboard	0.52	0.85	0.02
UNIV 100	-0.05	0.61	0.00
University Program for Academic Success	-0.21	1.24	0.00

Fall 2001 Cohort

Academic Investment in Math and Science	-1.58	4.19	-0.01
Batchelder Music Community	4.18	1.52	0.06**
BG Effect	-5.02	3.83	-0.03
Chapman Learning Community	2.41	1.32	0.04
Health Sciences Residential Community	-0.50	1.96	-0.01
Honors	5.00	0.95	0.13**
Literacy Serve and Learn	0.31	1.28	0.01
Multicultural and Academic Initiatives	-0.22	2.21	-0.01
Partners in Context and Community	2.56	4.16	0.01
President's Leadership Academy	1.73	3.19	0.01
Springboard	-0.69	0.87	-0.02
UNIV 100	-1.64	0.62	-0.06**
University Program for Academic Success	-3.40	1.32	-0.07**

Fall 2002 Cohort

Academic Investment in Math and Science	2.76	3.10	0.02
Batchelder Music Community	2.98	1.45	0.05*
BG Experience	1.43	1.34	0.03
Chapman Learning Community	-0.36	1.68	0.00
Health Sciences Residential Community	2.84	1.86	0.04
Honors	4.89	0.94	0.14**
Literacy Serve and Learn	2.43	1.34	0.04
Multicultural and Academic Initiatives	-3.42	2.59	-0.09
Partners in Context & Community	3.56	2.18	0.04
President's Leadership Academy	4.17	2.68	0.04
SMART	-2.89	1.62	-0.05
Springboard	-1.09	0.92	-0.03
UNIV 100	-0.41	0.57	-0.02
University Program for Academic Success	-1.92	1.20	-0.04

Fall 2003 Cohort

Academic Investment in Math and Science	0.88	2.70	0.01
Arts Village	1.59	2.24	0.02
BA 150	0.28	1.17	0.01
Batchelder Music Community	0.52	1.67	0.01
BG Experience	-0.48	0.85	-0.01
Chapman Learning Community	0.18	1.27	0.00
Health Sciences Residential Community	-1.04	1.33	-0.02
Honors	4.62	0.91	0.13**
Literacy Serve and Learn	1.96	1.16	0.04
Multicultural and Academic Initiatives	-0.29	1.62	-0.01
Partners in Context & Community	3.53	1.86	0.04
President's Leadership Academy	7.63	2.92	0.06**
SMART	-1.06	1.43	-0.02
Springboard	-0.26	1.00	-0.01
UNIV 100	-0.61	0.57	-0.03
UNIV 131	0.49	2.12	0.01
University Program for Academic Success	-1.80	1.20	-0.04

Fall 2004 Cohort

Academic Investment in Math and Science	2.23	3.04	0.02
Arts Village	2.24	1.97	0.02
BA 150	-2.22	1.03	-0.05*
Batchelder Music Community	1.36	1.75	0.02
BG Experience	0.30	0.55	0.01
Chapman Learning Community	0.87	1.14	0.02
Health Sciences Residential Community	-0.49	1.28	-0.01
Honors	4.99	0.90	0.13**
La Comunidad	-9.51	3.35	-0.06**
La Maison Française	-3.03	5.70	-0.01
Literacy Serve and Learn	0.74	0.99	0.02
Multicultural and Academic Initiatives	1.74	1.49	0.04
Partners in Context & Community	2.36	2.16	0.02
President's Leadership Academy	-3.29	2.67	-0.03
SMART	-2.27	1.42	-0.04
Springboard	-0.40	0.96	-0.01
UNIV 100	0.30	0.59	0.01
UNIV 131	2.22	1.52	0.03
University Program for Academic Success	-3.04	1.31	-0.05*

Note. Fall 1997 Cohort: $R^2 = .22$ (N = 1,002, p < .01).

Note. Fall 1998 Cohort: $R^2 = .23$ (N = 1,549, p < .01).

Note. Fall 1999 Cohort: $R^2 = .20$ (N = 1,493, p < .01).

Note. Fall 2000 Cohort: $R^2 = .23$ (N = 1,385, p < .01).

Note. Fall 2001 Cohort: $R^2 = .27$ (N = 1,416, p < .01).

Note. Fall 2002 Cohort: $R^2 = .25$ (N = 1,434, p < .01).

Note. Fall 2003 Cohort: $R^2 = .23$ (N = 1,491, p < .01).

Note. Fall 2004 Cohort: $R^2 = .26$ (N = 1,628, p < .01).

*p <= .05. **p <= .01.

Table 27

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Third Academic Year After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-0.13	2.60	-0.02
Chapman Learning Community	1.45	2.05	0.02
Honors	7.60	1.50	0.17**
Multicultural and Academic Initiatives	2.62	3.33	0.04
Springboard	1.89	5.78	0.01
UNIV 100	0.61	1.01	0.02
<u>Fall 1998 Cohort</u>			
BG Effect	0.78	3.12	0.01
Chapman Learning Community	2.40	2.00	0.03
Health Sciences Residential Community	-0.95	1.83	-0.01
Honors	3.65	1.13	0.09**
Multicultural and Academic Initiatives	4.77	2.45	0.08
President's Leadership Academy	-4.98	3.58	-0.04
Springboard	1.32	1.19	0.03
UNIV 100	0.92	0.78	0.03
University Program for Academic Success	-1.60	2.17	-0.02
<u>Fall 1999 Cohort</u>			
BG Effect	-0.60	5.81	0.00
Chapman Learning Community	1.90	2.70	0.02
Health Sciences Residential Community	-6.43	3.87	-0.04
Honors	7.12	2.49	0.08**
Literacy Serve and Learn	4.36	2.37	0.04
Multicultural and Academic Initiatives	14.94	7.77	0.13*
President's Leadership Academy	4.78	7.03	0.02
Springboard	-1.03	2.60	-0.01
UNIV 100	-0.10	1.66	0.00
University Program for Academic Success	1.52	3.20	0.01
<u>Fall 2000 Cohort</u>			
BG Effect	-0.16	3.50	0.00
Chapman Learning Community	-0.79	1.65	-0.01
Health Sciences Residential Community	-4.24	2.95	-0.04
Honors	3.70	1.33	0.08**
Literacy Serve and Learn	3.84	1.65	0.06*
Multicultural and Academic Initiatives	1.42	2.78	0.02
President's Leadership Academy	1.24	3.87	0.01
Springboard	0.84	1.28	0.02
UNIV 100	1.31	0.93	0.04
University Program for Academic Success	-2.48	1.87	-0.04

Fall 2001 Cohort

Academic Investment in Math and Science	-10.97	5.04	-0.05*
Batchelder Music Community	8.88	2.07	0.11**
BG Effect	-13.50	5.01	-0.07**
Chapman Learning Community	4.01	1.81	0.05*
Health Sciences Residential Community	-3.22	2.63	-0.03
Honors	5.33	1.27	0.11**
Literacy Serve and Learn	-0.17	1.72	0.00
Multicultural and Academic Initiatives	3.30	2.98	0.06
Partners in Context and Community	7.67	7.02	0.03
President's Leadership Academy	1.94	4.18	0.01
Springboard	-1.05	1.22	-0.02
UNIV 100	-1.25	0.85	-0.04
University Program for Academic Success	-4.82	1.85	-0.07**

Fall 2002 Cohort

Academic Investment in Math and Science	7.64	4.37	0.04
Batchelder Music Community	8.24	2.09	0.10**
BG Experience	3.36	1.96	0.05
Chapman Learning Community	-2.26	2.41	-0.02
Health Sciences Residential Community	1.12	2.67	0.01
Honors	4.75	1.35	0.10**
Literacy Serve and Learn	3.77	1.90	0.05*
Multicultural and Academic Initiatives	-0.95	3.89	-0.02
Partners in Context & Community	8.81	3.16	0.07**
President's Leadership Academy	4.47	3.91	0.03
SMART	-4.48	2.43	-0.06
Springboard	-0.44	1.36	-0.01
UNIV 100	0.82	0.83	0.03
University Program for Academic Success	-4.93	1.77	-0.08**

Fall 2003 Cohort

Academic Investment in Math and Science	3.89	3.73	0.03
Arts Village	0.26	3.27	0.00
BA 150	1.26	1.77	0.02
Batchelder Music Community	4.30	2.50	0.04
BG Experience	-0.15	1.21	0.00
Chapman Learning Community	0.99	1.82	0.01
Health Sciences Residential Community	-1.44	1.94	-0.02
Honors	4.98	1.30	0.10**
Literacy Serve and Learn	5.56	1.65	0.08**
Multicultural and Academic Initiatives	-2.25	2.37	-0.05
Partners in Context & Community	6.27	2.66	0.06*
President's Leadership Academy	4.67	4.21	0.03
SMART	-0.47	2.07	-0.01
Springboard	-1.60	1.42	-0.03
UNIV 100	0.29	0.82	0.01
UNIV 131	0.67	3.08	0.01
University Program for Academic Success	-2.44	1.75	-0.04

Note. Fall 1997 Cohort: $R^2 = .15$ ($N = 933$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .19$ ($N = 1,413$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .10$ ($N = 1,592$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .18$ ($N = 1,265$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .24$ ($N = 1,297$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .23$ ($N = 1,331$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .22$ ($N = 1,375$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 28

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Fourth Academic Year After Controlling for Race and High School GPA and Examining the Interaction of Program Participation and Gender

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.61	3.12	0.01
Chapman Learning Community	2.71	2.41	0.04
Honors	6.00	1.91	0.11**
Multicultural and Academic Initiatives	2.41	4.24	0.03
Springboard	2.49	6.86	0.01
UNIV 100	0.37	1.24	0.01
<u>Fall 1998 Cohort</u>			
BG Effect	2.31	4.19	0.02
Chapman Learning Community	2.02	2.54	0.02
Health Sciences Residential Community	-2.98	2.37	-0.03
Honors	2.22	1.49	0.04
Multicultural and Academic Initiatives	8.10	3.12	0.12**
President's Leadership Academy	-2.61	4.68	-0.02
Springboard	1.53	1.54	0.03
UNIV 100	1.30	1.01	0.03
University Program for Academic Success	-2.82	2.83	-0.03
<u>Fall 1999 Cohort</u>			
BG Effect	1.23	3.62	0.01
Chapman Learning Community	-0.85	1.72	-0.01
Health Sciences Residential Community	-0.36	2.58	0.00
Honors	3.03	1.54	0.06*
Literacy Serve and Learn	4.40	1.51	0.08**
Multicultural and Academic Initiatives	9.48	5.31	0.15
President's Leadership Academy	-3.08	4.13	-0.02
Springboard	0.45	1.71	0.01
UNIV 100	0.13	1.08	0.00
University Program for Academic Success	1.18	2.16	0.02
<u>Fall 2000 Cohort</u>			
BG Effect	5.15	4.48	0.03
Chapman Learning Community	-3.60	2.07	-0.05
Health Sciences Residential Community	-0.01	3.59	0.00
Honors	2.48	1.63	0.05
Literacy Serve and Learn	4.63	2.09	0.06*
Multicultural and Academic Initiatives	0.82	3.36	0.01
President's Leadership Academy	2.55	4.59	0.02
Springboard	0.86	1.58	0.02
UNIV 100	0.77	1.15	0.02
University Program for Academic Success	-1.12	2.30	-0.01

Fall 2001 Cohort

Academic Investment in Math and Science	-5.42	6.63	-0.02
Batchelder Music Community	14.06	2.57	0.15**
BG Effect	-14.07	6.63	-0.06*
Chapman Learning Community	4.87	2.31	0.06*
Health Sciences Residential Community	-2.97	3.41	-0.02
Honors	3.41	1.65	0.06*
Literacy Serve and Learn	1.01	2.10	0.01
Multicultural and Academic Initiatives	-0.66	3.94	-0.01
Partners in Context and Community	7.39	8.47	0.02
President's Leadership Academy	3.12	5.06	0.02
Springboard	-0.28	1.54	0.00
UNIV 100	-0.04	1.06	0.00
University Program for Academic Success	-3.18	2.37	-0.04

Note. Fall 1997 Cohort: $R^2 = .08$ (N = 862, $p < .01$).

Note. Fall 1997 Cohort: $R^2 = .11$ (N = 1,322, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .11$ (N = 1,251, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .13$ (N = 1,167, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .17$ (N = 1,181, $p < .01$).

* $p < .05$. ** $p < .01$.

APPENDIX C

Table 29

Summary of Logistic Regression Analysis Predicting One-Year Retention After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-1.76	1.53	1.33	0.17
Chapman Learning Community	2.06	1.07	3.67	7.82
Honors	-0.53	0.82	0.41	0.59
Multicultural and Academic Initiatives	-0.39	0.46	0.71	0.68
Springboard	3.14	22.27	0.02	23.11
UNIV 100	1.02	0.53	3.68	2.77
<u>Fall 1998 Cohort</u>				
BG Effect	12.19	31.46	0.15	197656.77
Chapman Learning Community	-0.36	0.74	0.24	0.69
Health Sciences Residential Community	0.26	0.85	0.10	1.30
Honors	-1.49	0.80	3.44	0.23
Multicultural and Academic Initiatives	0.45	0.33	1.84	1.57
President's Leadership Academy	-0.50	0.99	0.25	0.61
Springboard	1.34	0.91	2.14	3.81
UNIV 100	-0.28	0.36	0.62	0.76
University Program for Academic Success	-6.47	22.24	0.08	0.00
<u>Fall 1999 Cohort</u>				
BG Effect	6.76	53.37	0.02	864.23
Chapman Learning Community	1.50	0.69	4.68*	4.47
Health Sciences Residential Community	0.63	1.13	0.31	1.88
Honors	7.08	26.44	0.07	1208.09
Literacy Serve and Learn	7.28	28.85	0.06	1452.07
Multicultural and Academic Initiatives	-0.93	0.64	2.09	0.39
President's Leadership Academy	5.88	21.59	0.07	358.00
Springboard	2.19	1.11	3.94*	8.97
UNIV 100	0.73	0.41	3.22	2.08
University Program for Academic Success	-0.82	0.73	1.26	0.44
<u>Fall 2000 Cohort</u>				
Chapman Learning Community	-0.22	0.54	0.17	0.80
Health Sciences Residential Community	7.01	29.66	0.06	1109.14
Honors	0.19	1.12	0.03	1.21
Literacy Serve and Learn	6.82	41.42	0.07	916.19
Multicultural and Academic Initiatives	0.74	0.33	5.08*	2.10
President's Leadership Academy	7.71	26.48	0.08	2225.68
Springboard	-0.59	0.53	1.25	0.55
UNIV 100	-0.52	0.35	2.23	0.59
University Program for Academic Success	1.68	0.58	8.26**	5.37

Fall 2001 Cohort

Academic Investment in Math and Science	0.09	0.90	0.01	0.91
Batchelder Music Community	19.61	40192.97	0.00	0.00
BG Effect	20.19	40192.97	0.00	0.00
Chapman Learning Community	-0.36	0.50	0.52	1.44
Health Sciences Residential Community	-0.47	0.82	0.33	1.61
Honors	0.13	0.82	0.03	0.87
Literacy Serve and Learn	-0.04	0.93	0.00	1.04
Multicultural and Academic Initiatives	0.28	0.35	0.62	0.76
Partners in Context and Community	19.77	40192.97	0.00	0.00
President's Leadership Academy	19.27	17242.43	0.00	0.00
Springboard	1.74	0.77	5.03*	0.18
UNIV 100	0.56	0.35	2.63	0.57
University Program for Academic Success	0.82	0.53	2.39	0.44

Fall 2002 Cohort

Academic Investment in Math and Science	20.10	11459.09	0.00	0.00
Batchelder Music Community	0.45	0.83	0.30	0.64
BG Experience	0.70	1.13	0.39	0.49
Chapman Learning Community	0.11	0.76	0.02	0.90
Health Sciences Residential Community	-0.00	0.86	0.00	1.00
Honors	-0.39	0.64	0.37	1.48
Literacy Serve and Learn	20.03	22680.61	0.00	0.00
Multicultural and Academic Initiatives	-0.25	0.64	0.16	1.29
Partners in Context & Community	19.95	40192.97	0.00	0.00
President's Leadership Academy	19.21	9640.64	0.00	0.00
SMART	0.24	0.32	0.59	0.79
Springboard	0.15	0.55	0.07	0.86
UNIV 100	0.42	0.32	1.74	0.66
University Program for Academic Success	0.18	0.71	0.07	1.20

Fall 2003 Cohort

Academic Investment in Math and Science	18.95	10219.33	0.00	169276767.89
Arts Village	-0.08	0.89	0.01	0.92
BA 150	-0.46	0.54	0.72	0.63
Batchelder Music Community	20.05	28410.95	0.00	508474965.32
BG Experience	-0.23	0.44	0.27	0.80
Chapman Learning Community	0.39	0.67	0.34	1.48
Health Sciences Residential Community	-0.25	0.63	0.16	0.78
Honors	19.03	8953.55	0.00	183392626.01
Literacy Serve and Learn	-1.45	0.95	2.33	0.23
Multicultural and Academic Initiatives	0.36	0.30	1.48	1.44
Partners in Context & Community	0.28	1.13	0.06	1.33
President's Leadership Academy	0.91	1.18	0.59	2.49
SMART	1.07	0.38	7.83**	2.91
Springboard	-0.04	0.38	0.01	0.96
UNIV 100	0.30	0.34	0.76	1.35
UNIV 131	20.16	23139.01	0.00	567039615.98
University Program for Academic Success	0.58	0.55	1.12	1.79

Fall 2004 Cohort

Academic Investment in Math and Science	1.21	1.05	1.34	0.30
Arts Village	-0.40	0.72	0.30	1.49
BA 150	-0.49	0.45	1.17	1.63
Batchelder Music Community	1.12	1.07	1.09	0.33
BG Experience	-0.06	0.30	0.05	1.07
Chapman Learning Community	0.40	0.56	0.50	0.67
Health Sciences Residential Community	0.19	0.68	0.08	0.83
Honors	0.47	0.79	0.35	0.63
La Comunidad	0.74	1.07	0.47	0.48
La Maison Française	19.83	40192.97	0.00	0.00
Literacy Serve and Learn	19.89	14871.64	0.00	0.00
Multicultural and Academic Initiatives	0.60	0.27	4.96*	0.55
Partners in Context & Community	-0.01	0.90	0.00	1.01
President's Leadership Academy	-0.56	0.67	0.68	1.75
SMART	0.34	0.29	1.39	0.71
Springboard	-0.20	0.43	0.22	1.22
UNIV 100	0.42	0.29	2.18	0.66
UNIV 131	19.69	20012.09	0.00	0.00
University Program for Academic Success	0.05	0.42	0.02	0.95

*p <= .05. **p <= .01.

Table 30

Summary of Logistic Regression Analysis Predicting Two-Year Retention After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp(B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.82	1.49	0.30	0.44
Chapman Learning Community	1.40	0.70	4.05*	4.07
Honors	0.18	0.79	0.05	1.20
Multicultural and Academic Initiatives	-0.39	0.42	0.85	0.68
Springboard	4.41	22.25	0.04	82.07
UNIV 100	0.60	0.45	1.73	1.81
<u>Fall 1998 Cohort</u>				
BG Effect	-0.61	31.45	0.00	0.54
Chapman Learning Community	-0.55	0.63	0.76	0.58
Health Sciences Residential Community	0.31	0.73	0.19	1.37
Honors	-0.59	0.76	0.61	0.56
Multicultural and Academic Initiatives	0.47	0.29	2.54	1.59
President's Leadership Academy	-1.28	0.82	2.45	0.28
Springboard	1.28	0.72	3.14	3.60
UNIV 100	-0.25	0.32	0.60	0.78
University Program for Academic Success	-5.75	22.24	0.07	0.00
<u>Fall 1999 Cohort</u>				
BG Effect	-2.26	1.50	2.28	0.10
Chapman Learning Community	0.60	0.48	1.55	1.83
Health Sciences Residential Community	0.33	0.88	0.14	1.39
Honors	1.18	1.09	1.17	3.26
Literacy Serve and Learn	1.02	1.12	0.84	2.78
Multicultural and Academic Initiatives	-0.18	0.51	0.12	0.84
President's Leadership Academy	0.91	1.33	0.47	2.49
Springboard	1.56	0.78	3.95*	4.74
UNIV 100	-0.02	0.33	0.00	0.98
University Program for Academic Success	-0.41	0.63	0.41	0.67
<u>Fall 2000 Cohort</u>				
Chapman Learning Community	-0.06	0.50	0.02	0.94
Health Sciences Residential Community	1.00	1.15	0.75	2.71
Honors	0.67	1.10	0.37	1.95
Literacy Serve and Learn	-0.20	1.18	0.03	0.82
Multicultural and Academic Initiatives	0.34	0.31	1.18	1.40
President's Leadership Academy	20.04	10811.07	0.00	504201035.92
Springboard	0.29	0.51	0.33	1.34
UNIV 100	0.25	0.34	0.58	1.29
University Program for Academic Success	0.49	0.50	0.95	1.63

Fall 2001 Cohort

Academic Investment in Math and Science	0.61	0.90	0.45	1.83
Batchelder Music Community	20.03	40192.97	0.00	497899998.22
BG Effect	20.49	40192.97	0.00	792647960.44
Chapman Learning Community	-0.68	0.51	1.83	0.51
Health Sciences Residential Community	-0.89	0.80	1.26	0.41
Honors	0.61	0.81	0.58	1.85
Literacy Serve and Learn	0.52	0.95	0.30	1.68
Multicultural and Academic Initiatives	0.40	0.34	1.38	1.49
Partners in Context and Community	19.84	40192.97	0.00	411978481.84
President's Leadership Academy	-0.31	1.23	0.06	0.74
Springboard	1.03	0.56	3.32	2.79
UNIV 100	0.77	0.34	5.24*	2.17
University Program for Academic Success	0.04	0.50	0.01	1.04

Fall 2002 Cohort

Academic Investment in Math and Science	1.72	1.06	2.60	0.18
Batchelder Music Community	-0.15	0.71	0.05	1.16
BG Experience	0.20	0.91	0.05	0.82
Chapman Learning Community	0.19	0.71	0.08	0.82
Health Sciences Residential Community	1.36	1.09	1.56	0.26
Honors	-0.24	0.59	0.17	1.27
Literacy Serve and Learn	20.56	22715.95	0.00	0.00
Multicultural and Academic Initiatives	-0.46	0.58	0.62	1.58
Partners in Context & Community	20.33	40192.97	0.00	0.00
President's Leadership Academy	1.99	1.40	2.01	0.14
SMART	0.36	0.29	1.53	0.70
Springboard	0.27	0.52	0.27	0.76
UNIV 100	0.14	0.28	0.24	0.87
University Program for Academic Success	-0.25	0.64	0.16	1.29

Fall 2003 Cohort

Academic Investment in Math and Science	1.26	1.09	1.33	3.52
Arts Village	-0.51	0.78	0.43	0.60
BA 150	-0.65	0.52	1.54	0.52
Batchelder Music Community	20.35	28400.36	0.00	688358448.72
BG Experience	0.24	0.40	0.37	1.28
Chapman Learning Community	0.30	0.55	0.29	1.35
Health Sciences Residential Community	-0.69	0.54	1.62	0.50
Honors	0.48	0.81	0.35	1.61
Literacy Serve and Learn	-1.11	0.93	1.41	0.33
Multicultural and Academic Initiatives	-0.12	0.28	0.17	0.89
Partners in Context & Community	-0.55	0.82	0.45	0.58
President's Leadership Academy	0.44	0.93	0.22	1.55
SMART	1.01	0.32	9.91**	2.74
Springboard	0.00	0.35	0.00	1.00
UNIV 100	-0.03	0.30	0.01	0.97
UNIV 131	20.71	22812.65	0.00	987944424.06
University Program for Academic Success	-0.57	0.49	1.38	0.57

*p <= .05. **p <= .01.

Table 31

Summary of Logistic Regression Analysis Predicting Three-Year Retention After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp(B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.30	1.50	0.04	0.74
Chapman Learning Community	1.31	0.64	4.19*	3.69
Honors	0.27	0.79	0.12	0.73
Multicultural and Academic Initiatives	-0.45	0.42	1.17	0.64
Springboard	4.63	22.25	0.04	102.61
UNIV 100	0.32	0.44	0.54	1.38
<u>Fall 1998 Cohort</u>				
BG Effect	-0.59	31.45	0.00	0.56
Chapman Learning Community	-0.69	0.62	1.24	0.50
Health Sciences Residential Community	1.01	0.83	1.50	2.75
Honors	-1.01	0.71	2.03	0.36
Multicultural and Academic Initiatives	0.33	0.29	1.28	1.39
President's Leadership Academy	-1.19	0.77	2.40	0.30
Springboard	0.83	0.65	1.65	2.30
UNIV 100	-0.38	0.32	1.42	0.68
University Program for Academic Success	-5.60	22.24	0.06	0.00
<u>Fall 1999 Cohort</u>				
BG Effect	1.76	1.32	1.77	5.83
Chapman Learning Community	0.02	0.44	0.00	1.02
Health Sciences Residential Community	-0.41	0.87	0.22	0.66
Honors	-1.55	1.10	2.01	0.21
Literacy Serve and Learn	-0.32	0.86	0.14	0.73
Multicultural and Academic Initiatives	-0.01	0.49	0.00	0.99
President's Leadership Academy	-0.72	1.01	0.50	0.49
Springboard	-1.04	0.67	2.42	0.35
UNIV 100	-0.26	0.32	0.66	0.77
University Program for Academic Success	-0.38	0.61	0.38	0.69
<u>Fall 2000 Cohort</u>				
Chapman Learning Community	-0.17	0.46	0.13	0.84
Health Sciences Residential Community	1.28	1.13	1.29	3.61
Honors	-0.16	0.73	0.05	0.86
Literacy Serve and Learn	0.31	1.16	0.07	1.36
Multicultural and Academic Initiatives	0.05	0.30	0.03	1.05
President's Leadership Academy	20.36	10784.63	0.00	694830615.35
Springboard	0.31	0.49	0.41	1.37
UNIV 100	0.03	0.31	0.01	1.03
University Program for Academic Success	0.24	0.49	0.24	1.27

Fall 2001 Cohort

Academic Investment in Math and Science	0.51	0.88	0.33	1.66
Batchelder Music Community	20.37	40192.97	0.00	703808905.34
BG Effect	20.78	40192.97	0.00	1056899319.64
Chapman Learning Community	-0.79	0.51	2.33	0.46
Health Sciences Residential Community	-1.90	0.89	4.52*	0.15
Honors	-0.55	0.59	0.87	0.58
Literacy Serve and Learn	1.04	1.00	1.08	2.82
Multicultural and Academic Initiatives	0.00	0.34	0.00	1.00
Partners in Context and Community	20.45	40192.97	0.00	760705869.81
President's Leadership Academy	0.52	1.20	0.19	1.69
Springboard	1.32	0.56	5.58*	3.75
UNIV 100	0.45	0.32	1.96	1.57
University Program for Academic Success	-0.12	0.50	0.06	0.89

Fall 2002 Cohort

Academic Investment in Math and Science	1.09	0.80	1.89	0.33
Batchelder Music Community	0.56	0.73	0.59	0.57
BG Experience	-0.35	0.87	0.16	1.41
Chapman Learning Community	0.00	0.70	0.00	1.00
Health Sciences Residential Community	0.82	0.85	0.93	0.44
Honors	0.21	0.59	0.13	0.81
Literacy Serve and Learn	20.72	22872.22	0.00	0.00
Multicultural and Academic Initiatives	-0.46	0.57	0.66	1.59
Partners in Context & Community	20.60	40192.97	0.00	0.00
President's Leadership Academy	2.70	1.38	3.85*	0.07
SMART	0.28	0.28	1.03	0.76
Springboard	-0.71	0.50	2.06	2.04
UNIV 100	0.24	0.28	0.73	0.79
University Program for Academic Success	-0.68	0.63	1.14	1.97

*p <= .05. **p <= .01.

Table 32

Summary of Logistic Regression Analysis Predicting Four-Year Graduation After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-5.01	25.71	0.04	0.01
Chapman Learning Community	0.81	0.70	1.32	2.25
Honors	0.15	0.77	0.04	1.17
Multicultural and Academic Initiatives	-0.07	0.51	0.02	0.93
Springboard	6.93	36.66	0.04	1024.00
UNIV 100	-0.98	0.62	2.48	0.38
<u>Fall 1998 Cohort</u>				
BG Effect	-2.06	56841.44	0.00	0.13
Chapman Learning Community	-20.05	10648.27	0.00	0.00
Health Sciences Residential Community	1.29	0.73	3.11	3.63
Honors	-0.73	0.76	0.93	0.48
Multicultural and Academic Initiatives	0.94	0.41	5.14*	2.55
President's Leadership Academy	0.12	0.81	0.02	1.13
Springboard	0.65	0.68	0.90	1.92
UNIV 100	-0.70	0.47	2.19	0.50
University Program for Academic Success	-16.97	40192.97	0.00	0.00
<u>Fall 1999 Cohort</u>				
BG Effect	-20.41	21886.50	0.00	0.00
Chapman Learning Community	-1.59	0.71	4.98*	0.20
Health Sciences Residential Community	0.68	0.87	0.61	1.97
Honors	1.97	0.84	5.48*	7.15
Literacy Serve and Learn	0.37	0.72	0.26	1.44
Multicultural and Academic Initiatives	-0.50	0.59	0.71	0.61
President's Leadership Academy	-0.49	0.89	0.30	0.61
Springboard	0.74	0.70	1.13	2.10
UNIV 100	0.40	0.37	1.17	1.49
University Program for Academic Success	-1.00	0.99	1.02	0.37
<u>Fall 2000 Cohort</u>				
Chapman Learning Community	0.49	0.50	0.97	1.64
Health Sciences Residential Community	0.95	0.81	1.37	2.59
Honors	1.51	0.83	3.32	4.53
Literacy Serve and Learn	-0.37	1.08	0.11	0.69
Multicultural and Academic Initiatives	0.06	0.33	0.03	1.06
President's Leadership Academy	0.83	0.64	1.72	2.30
Springboard	0.38	0.49	0.58	1.46
UNIV 100	0.11	0.35	0.09	1.11
University Program for Academic Success	0.43	0.61	0.49	1.53

Fall 2001 Cohort

Academic Investment in Math and Science	0.45	1.01	0.20	1.57
Batchelder Music Community	-20.07	40192.97	0.00	0.00
BG Effect	-20.77	40192.97	0.00	0.00
Chapman Learning Community	-0.91	0.79	1.30	0.40
Health Sciences Residential Community	-21.15	13796.25	0.00	0.00
Honors	1.03	0.63	2.64	2.79
Literacy Serve and Learn	0.46	1.03	0.20	1.58
Multicultural and Academic Initiatives	-0.59	0.43	1.89	0.56
Partners in Context and Community	-20.45	40192.97	0.00	0.00
President's Leadership Academy	0.74	1.16	0.41	2.09
Springboard	0.11	0.58	0.04	1.12
UNIV 100	-0.17	0.40	0.17	0.85
University Program for Academic Success	-0.36	0.76	0.22	0.70

*p <= .05. **p <= .01.

Table 33

Summary of Logistic Regression Analysis Predicting Five-Year Graduation After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.30	1.47	0.04	0.74
Chapman Learning Community	-1.13	0.59	3.65	0.32
Honors	0.00	0.73	0.00	1.00
Multicultural and Academic Initiatives	0.02	0.42	0.00	1.02
Springboard	-20.16	40192.97	0.00	0.00
UNIV 100	-0.16	0.44	0.13	0.86
<u>Fall 1998 Cohort</u>				
BG Effect	-1.01	56841.44	0.00	0.37
Chapman Learning Community	-0.73	0.62	1.36	0.48
Health Sciences Residential Community	-0.25	0.69	0.13	0.78
Honors	-1.89	0.73	6.75**	0.15
Multicultural and Academic Initiatives	0.54	0.30	3.22	1.71
President's Leadership Academy	-1.02	0.79	1.67	0.36
Springboard	1.10	0.67	2.68	2.99
UNIV 100	-0.53	0.33	2.57	0.59
University Program for Academic Success	-19.44	40192.97	0.00	0.00
<u>Fall 1999 Cohort</u>				
BG Effect	-0.71	1.28	0.31	2.04
Chapman Learning Community	-0.27	0.44	0.38	1.31
Health Sciences Residential Community	0.34	0.82	0.17	0.71
Honors	1.99	1.09	3.33	0.14
Literacy Serve and Learn	0.48	0.74	0.42	0.62
Multicultural and Academic Initiatives	-0.32	0.50	0.41	1.38
President's Leadership Academy	-0.55	0.79	0.49	1.74
Springboard	0.67	0.61	1.20	0.51
UNIV 100	0.12	0.32	0.14	0.89
University Program for Academic Success	-0.61	0.66	0.87	1.84
<u>Fall 2000 Cohort</u>				
Chapman Learning Community	-0.09	0.49	0.03	0.92
Health Sciences Residential Community	0.45	0.86	0.28	1.58
Honors	0.47	0.84	0.32	1.61
Literacy Serve and Learn	-0.19	1.00	0.04	0.83
Multicultural and Academic Initiatives	0.23	0.31	0.56	1.26
President's Leadership Academy	1.05	0.71	2.23	2.87
Springboard	0.49	0.46	1.12	1.63
UNIV 100	0.11	0.33	0.12	1.12
University Program for Academic Success	0.94	0.52	3.24	2.57

*p <= .05. **p <= .01.

Table 34

Summary of Logistic Regression Analysis Predicting Six-Year Graduation After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp(B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	0.18	1.48	0.01	0.84
Chapman Learning Community	1.27	0.60	4.41*	0.28
Honors	0.17	0.74	0.05	0.84
Multicultural and Academic Initiatives	-0.12	0.41	0.09	1.13
Springboard	19.88	40192.97	0.00	0.00
UNIV 100	0.19	0.43	0.20	0.82
<u>Fall 1998 Cohort</u>				
BG Effect	-0.74	56841.44	0.00	0.48
Chapman Learning Community	-0.70	0.62	1.27	0.50
Health Sciences Residential Community	0.30	0.70	0.19	1.35
Honors	-1.35	0.70	3.74*	0.26
Multicultural and Academic Initiatives	0.32	0.29	1.16	1.37
President's Leadership Academy	-1.22	0.83	2.17	0.29
Springboard	1.34	0.73	3.37	3.81
UNIV 100	-0.58	0.32	3.27	0.56
University Program for Academic Success	-19.97	40192.97	0.00	0.00
<u>Fall 1999 Cohort</u>				
BG Effect	-0.97	1.26	0.59	2.65
Chapman Learning Community	-0.00	0.43	0.00	1.00
Health Sciences Residential Community	0.78	0.87	0.80	0.46
Honors	1.88	1.09	2.99	0.15
Literacy Serve and Learn	0.32	0.74	0.18	0.73
Multicultural and Academic Initiatives	-0.54	0.50	1.16	1.72
President's Leadership Academy	-0.17	0.80	0.05	1.19
Springboard	0.75	0.61	1.51	0.47
UNIV 100	0.05	0.31	0.03	0.95
University Program for Academic Success	-0.36	0.62	0.35	1.44

*p <= .05. **p <= .01.

Table 35

Summary of Regression Analysis Predicting Cumulative GPA at the End of the First Academic Year After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.47	0.73	0.05
Chapman Learning Community	0.56	0.20	0.22**
Honors	0.60	0.27	0.18*
Multicultural and Academic Initiatives	-0.07	0.15	-0.04
Springboard	0.74	0.74	0.07
UNIV 100	0.07	0.15	0.04
<u>Fall 1998 Cohort</u>			
Chapman Learning Community	-0.08	0.22	0.00
Health Sciences Residential Community	0.04	0.27	0.01
Honors	0.34	0.25	0.08
Multicultural and Academic Initiatives	0.09	0.11	0.05
President's Leadership Academy	-0.01	0.29	-0.00
Springboard	0.06	0.21	0.02
UNIV 100	-0.04	0.12	-0.02
University Program for Academic Success	0.26	0.75	0.02
<u>Fall 1999 Cohort</u>			
BG Effect	-0.17	0.40	-0.02
Chapman Learning Community	0.05	0.14	0.02
Health Sciences Residential Community	0.12	0.29	0.02
Honors	0.56	0.21	0.15**
Literacy Serve and Learn	0.17	0.23	0.04
Multicultural and Academic Initiatives	-0.16	0.17	-0.07
President's Leadership Academy	-0.29	0.25	-0.09
Springboard	0.49	0.19	0.19*
UNIV 100	0.04	0.11	0.02
University Program for Academic Success	0.35	0.22	0.13
<u>Fall 2000 Cohort</u>			
Chapman Learning Community	0.25	0.16	0.08
Health Sciences Residential Community	-0.05	0.25	-0.01
Honors	0.25	0.22	0.07
Literacy Serve and Learn	0.32	0.34	0.05
Multicultural and Academic Initiatives	0.31	0.10	0.17**
President's Leadership Academy	0.07	0.22	0.02
Springboard	0.27	0.17	0.09
UNIV 100	0.12	0.11	0.06
University Program for Academic Success	0.40	0.18	0.14*

Fall 2001 Cohort

Academic Investment in Math and Science	-0.40	0.26	-0.09
Batchelder Music Community	0.45	0.56	0.05
BG Effect	-0.55	0.56	-0.06
Chapman Learning Community	0.24	0.17	0.08
Health Sciences Residential Community	-0.67	0.26	-0.16**
Honors	0.34	0.16	0.13*
Literacy Serve and Learn	0.29	0.28	0.06
Multicultural and Academic Initiatives	-0.07	0.12	-0.04
Partners in Context and Community	-0.50	0.56	-0.05
President's Leadership Academy	0.42	0.27	0.10
Springboard	0.20	0.14	0.09
UNIV 100	0.01	0.10	0.01
University Program for Academic Success	-0.33	0.16	-0.15*

Fall 2002 Cohort

Academic Investment in Math and Science	0.38	0.24	0.08
Batchelder Music Community	0.52	0.33	0.08
BG Experience	0.47	0.36	0.13
Chapman Learning Community	0.13	0.30	0.02
Health Sciences Residential Community	0.32	0.29	0.05
Honors	0.25	0.22	0.06
Literacy Serve and Learn	0.82	0.46	0.09
Multicultural and Academic Initiatives	-0.20	0.21	-0.07
Partners in Context & Community	0.87	0.80	0.05
President's Leadership Academy	-0.20	0.42	-0.05
SMART	-0.14	0.11	-0.07
Springboard	0.38	0.20	0.09
UNIV 100	0.14	0.11	0.07
University Program for Academic Success	0.23	0.24	0.08

Fall 2003 Cohort

Academic Investment in Math and Science	0.26	0.21	0.06
Arts Village	-0.20	0.27	-0.04
BA 150	0.09	0.19	0.02
Batchelder Music Community	-0.08	0.53	-0.01
BG Experience	-0.15	0.12	-0.07
Chapman Learning Community	-0.01	0.16	0.00
Health Sciences Residential Community	-0.07	0.18	-0.02
Honors	0.19	0.19	0.05
Literacy Serve and Learn	-0.38	0.33	-0.05
Multicultural and Academic Initiatives	0.17	0.10	0.09
Partners in Context & Community	0.61	0.31	0.09*
President's Leadership Academy	0.40	0.27	0.08
SMART	0.05	0.09	0.03
Springboard	-0.05	0.12	-0.02
UNIV 100	0.11	0.10	0.06
UNIV 131	0.53	0.42	0.06
University Program for Academic Success	0.10	0.18	0.03

Fall 2004 Cohort

Academic Investment in Math and Science	0.30	0.21	0.07
Arts Village	0.35	0.29	0.05
BA 150	0.12	0.17	0.03
Batchelder Music Community	0.15	0.26	0.03
BG Experience	0.09	0.10	0.05
Chapman Learning Community	-0.11	0.18	-0.03
Health Sciences Residential Community	-0.20	0.22	-0.04
Honors	0.52	0.21	0.11**
La Comunidad	0.05	0.27	0.01
La Maison Française	1.29	0.84	0.07
Literacy Serve and Learn	0.72	0.32	0.10*
Multicultural and Academic Initiatives	0.22	0.10	0.12*
Partners in Context & Community	0.20	0.36	0.03
President's Leadership Academy	-0.36	0.23	-0.08
SMART	-0.02	0.09	-0.01
Springboard	-0.09	0.16	-0.03
UNIV 100	0.33	0.09	0.17**
UNIV 131	0.64	0.42	0.07
University Program for Academic Success	0.04	0.16	0.01

Fall 2005 Cohort

Academic Investment in Math and Science	0.44	0.29	0.06
Arts Village	0.04	0.24	0.01
BA 150	-0.05	0.12	-0.02
Batchelder Music Community	0.06	0.33	0.01
BG Experience	0.28	0.24	0.04
Chapman Learning Community	0.03	0.12	0.01
Health Sciences Residential Community	-0.10	0.14	-0.03
Honors	0.18	0.18	0.04
Literacy Serve and Learn	0.56	0.27	0.08*
Multicultural and Academic Initiatives	0.22	0.08	0.12**
Partners in Context & Community	0.14	0.46	0.01
President's Leadership Academy	0.36	0.20	0.07
SMART	-0.01	0.08	0.00
Springboard	-0.06	0.12	-0.02
UNIV 100	0.05	0.07	0.03
UNIV 131	0.12	0.33	0.01
University Program for Academic Success	0.23	0.14	0.07

Note. Fall 1997 Cohort: $R^2 = .39$ ($N = 125$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .27$ ($N = 242$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .36$ ($N = 238$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .30$ ($N = 272$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .32$ ($N = 213$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .27$ ($N = 320$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .28$ ($N = 371$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .16$ ($N = 454$, $p < .01$).

Note. Fall 2005 Cohort: $R^2 = .21$ ($N = 595$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 36

Summary of Regression Analysis Predicting Cumulative GPA at the End of the Second Academic Year After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.46	0.55	0.07
Chapman Learning Community	0.25	0.17	0.14
Honors	0.62	0.23	0.25**
Multicultural and Academic Initiatives	0.18	0.13	0.14
Springboard	0.87	0.56	0.14
UNIV 100	-0.02	0.14	-0.01
<u>Fall 1998 Cohort</u>			
Chapman Learning Community	-0.18	0.18	-0.06
Health Sciences Residential Community	-0.13	0.20	-0.04
Honors	0.47	0.21	0.15*
Multicultural and Academic Initiatives	0.10	0.09	0.07
President's Leadership Academy	-0.03	0.21	-0.01
Springboard	-0.25	0.16	-0.13
UNIV 100	-0.11	0.10	-0.07
<u>Fall 1999 Cohort</u>			
BG Effect	-0.49	0.33	-0.09
Chapman Learning Community	-0.12	0.12	-0.06
Health Sciences Residential Community	0.07	0.25	0.02
Honors	0.48	0.17	0.18**
Literacy Serve and Learn	0.07	0.20	0.02
Multicultural and Academic Initiatives	-0.12	0.15	-0.06
President's Leadership Academy	-0.27	0.20	-0.11
Springboard	0.23	0.16	0.12
UNIV 100	-0.10	0.10	-0.06
University Program for Academic Success	0.11	0.19	0.05
<u>Fall 2000 Cohort</u>			
Chapman Learning Community	0.08	0.13	0.04
Health Sciences Residential Community	-0.21	0.19	-0.06
Honors	0.37	0.17	0.14*
Literacy Serve and Learn	0.06	0.25	0.01
Multicultural and Academic Initiatives	0.00	0.09	0.00
President's Leadership Academy	0.05	0.16	0.02
Springboard	0.27	0.13	0.12*
UNIV 100	0.20	0.09	0.13*
University Program for Academic Success	-0.16	0.15	-0.08

Fall 2001 Cohort

Academic Investment in Math and Science	-0.08	0.27	-0.02
Batchelder Music Community	1.07	0.54	0.12*
BG Effect	-0.13	0.54	-0.01
Chapman Learning Community	0.26	0.17	0.09
Health Sciences Residential Community	-0.17	0.33	-0.03
Honors	0.26	0.16	0.11
Literacy Serve and Learn	-0.03	0.27	-0.01
Multicultural and Academic Initiatives	-0.16	0.12	-0.09
Partners in Context and Community	-0.68	0.54	-0.08
President's Leadership Academy	0.21	0.29	0.05
Springboard	0.17	0.14	0.07
UNIV 100	0.11	0.10	0.08
University Program for Academic Success	-0.31	0.16	-0.15

Fall 2002 Cohort

Academic Investment in Math and Science	0.24	0.18	0.08
Batchelder Music Community	-0.09	0.24	-0.02
BG Experience	0.70	0.29	0.29*
Chapman Learning Community	0.05	0.23	0.01
Health Sciences Residential Community	0.21	0.24	0.05
Honors	0.28	0.18	0.09
Literacy Serve and Learn	0.55	0.34	0.09
Multicultural and Academic Initiatives	-0.01	0.16	0.00
Partners in Context & Community	0.52	0.58	0.05
President's Leadership Academy	-0.64	0.34	-0.24
SMART	-0.15	0.09	-0.11
Springboard	0.11	0.17	0.04
UNIV 100	0.07	0.09	0.05
University Program for Academic Success	0.08	0.18	0.04

Fall 2003 Cohort

Academic Investment in Math and Science	-0.07	0.17	-0.02
Arts Village	-0.21	0.26	-0.04
BA 150	-0.20	0.16	-0.06
Batchelder Music Community	0.01	0.42	0.00
BG Experience	-0.12	0.10	-0.07
Chapman Learning Community	-0.03	0.14	-0.01
Health Sciences Residential Community	-0.01	0.16	0.00
Honors	0.23	0.15	0.08
Literacy Serve and Learn	-0.32	0.26	-0.06
Multicultural and Academic Initiatives	0.17	0.09	0.12*
Partners in Context & Community	0.29	0.24	0.06
President's Leadership Academy	0.29	0.22	0.08
SMART	0.04	0.08	0.03
Springboard	0.09	0.11	0.04
UNIV 100	0.03	0.09	0.02
UNIV 131	0.38	0.33	0.06
University Program for Academic Success	-0.01	0.16	0.00

Fall 2004 Cohort

Academic Investment in Math and Science	0.02	0.16	0.01
Arts Village	0.36	0.24	0.07
BA 150	-0.17	0.15	-0.05
Batchelder Music Community	0.20	0.21	0.05
BG Experience	0.13	0.09	0.09
Chapman Learning Community	-0.15	0.15	-0.05
Health Sciences Residential Community	-0.08	0.18	-0.02
Honors	0.48	0.17	0.14**
La Comunidad	0.00	0.20	0.00
La Maison Française	1.06	0.65	0.08
Literacy Serve and Learn	0.49	0.25	0.10*
Multicultural and Academic Initiatives	0.16	0.08	0.11*
Partners in Context & Community	0.01	0.30	0.00
President's Leadership Academy	-0.59	0.19	-0.18**
SMART	-0.12	0.08	-0.08
Springboard	-0.30	0.15	-0.09*
UNIV 100	0.15	0.08	0.10
UNIV 131	0.60	0.33	0.09
University Program for Academic Success	-0.08	0.15	-0.03

Note. Fall 1997 Cohort: $R^2 = .43$ (N = 86, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .33$ (N = 196, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .40$ (N = 196, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .34$ (N = 225, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .33$ (N = 203, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .29$ (N = 242, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .27$ (N = 300, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .22$ (N = 368, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 37

Summary of Regression Analysis Predicting Cumulative GPA at the End of the Third Academic Year After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-0.09	0.47	-0.02
Chapman Learning Community	0.27	0.15	0.17
Honors	0.47	0.19	0.24*
Multicultural and Academic Initiatives	0.12	0.12	0.10
Springboard	0.74	0.47	0.15
UNIV 100	0.04	0.13	0.04
<u>Fall 1998 Cohort</u>			
Chapman Learning Community	-0.25	0.17	-0.09
Health Sciences Residential Community	-0.16	0.18	-0.06
Honors	0.31	0.17	0.12
Multicultural and Academic Initiatives	0.11	0.07	0.09
President's Leadership Academy	-0.06	0.19	-0.03
Springboard	-0.05	0.14	-0.03
UNIV 100	-0.18	0.09	-0.14*
<u>Fall 1999 Cohort</u>			
BG Effect	-0.21	0.35	-0.04
Chapman Learning Community	-0.27	0.11	-0.15*
Health Sciences Residential Community	0.05	0.22	0.01
Honors	0.50	0.15	0.21**
Literacy Serve and Learn	0.20	0.18	0.07
Multicultural and Academic Initiatives	-0.04	0.14	-0.03
President's Leadership Academy	-0.38	0.18	-0.18*
Springboard	0.21	0.15	0.12
UNIV 100	0.04	0.09	0.03
University Program for Academic Success	0.20	0.20	0.09
<u>Fall 2000 Cohort</u>			
Chapman Learning Community	0.01	0.12	0.00
Health Sciences Residential Community	-0.19	0.18	-0.07
Honors	0.33	0.16	0.14*
Literacy Serve and Learn	0.23	0.25	0.06
Multicultural and Academic Initiatives	-0.01	0.08	-0.01
President's Leadership Academy	-0.03	0.15	-0.01
Springboard	0.22	0.12	0.12
UNIV 100	0.21	0.09	0.15*
University Program for Academic Success	-0.01	0.15	-0.01

Fall 2001 Cohort

Academic Investment in Math and Science	-0.39	0.22	-0.11
Batchelder Music Community	1.06	0.47	0.13*
BG Effect	0.20	0.46	0.02
Chapman Learning Community	0.27	0.16	0.10
Health Sciences Residential Community	-0.64	0.25	-0.16**
Honors	0.27	0.14	0.12
Literacy Serve and Learn	-0.05	0.24	-0.01
Multicultural and Academic Initiatives	-0.07	0.11	-0.05
President's Leadership Academy	0.40	0.25	0.10
Springboard	0.14	0.13	0.07
UNIV 100	-0.09	0.09	-0.07
University Program for Academic Success	-0.40	0.16	-0.19**

Fall 2002 Cohort

Academic Investment in Math and Science	0.29	0.19	0.09
Batchelder Music Community	-0.02	0.26	-0.01
BG Experience	0.61	0.28	0.29*
Chapman Learning Community	-0.18	0.23	-0.05
Health Sciences Residential Community	-0.01	0.22	0.00
Honors	0.21	0.18	0.08
Literacy Serve and Learn	0.14	0.40	0.02
Multicultural and Academic Initiatives	0.04	0.15	0.02
Partners in Context & Community	0.64	0.56	0.07
President's Leadership Academy	-0.58	0.33	-0.25
SMART	-0.19	0.09	-0.14*
Springboard	0.06	0.18	0.02
UNIV 100	0.08	0.10	0.06
University Program for Academic Success	-0.08	0.18	-0.04

Fall 2003 Cohort

Academic Investment in Math and Science	-0.08	0.16	-0.03
Arts Village	-0.05	0.27	-0.01
BA 150	-0.39	0.21	-0.10
Batchelder Music Community	0.16	0.39	0.02
BG Connections	0.03	0.17	0.01
BG Experience	-0.10	0.10	-0.06
Chapman Learning Community	0.04	0.14	0.01
Health Sciences Residential Community	-0.04	0.16	-0.01
Honors	0.31	0.15	0.12*
Literacy Serve and Learn	0.02	0.27	0.00
Multicultural and Academic Initiatives	0.25	0.08	0.18**
Partners in Context & Community	0.49	0.27	0.10
President's Leadership Academy	0.18	0.22	0.05
SMART	-0.01	0.08	0.00
Springboard	0.03	0.11	0.02
UNIV 100	0.08	0.09	0.06
UNIV 131	0.54	0.31	0.10
University Program for Academic Success	0.07	0.17	0.02

Note. Fall 1997 Cohort: $R^2 = .50$ ($N = 74$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .40$ ($N = 169$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .44$ ($N = 173$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .34$ ($N = 195$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .44$ ($N = 184$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .28$ ($N = 215$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .30$ ($N = 267$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 38

Summary of Regression Analysis Predicting Cumulative GPA at the End of the Fourth Academic Year After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-0.22	0.48	-0.05
Chapman Learning Community	0.14	0.16	0.09
Honors	0.41	0.21	0.20
Multicultural and Academic Initiatives	0.15	0.13	0.12
Springboard	0.65	0.48	0.13
UNIV 100	0.02	0.14	0.01
<u>Fall 1998 Cohort</u>			
Chapman Learning Community	-0.30	0.18	-0.12
Health Sciences Residential Community	-0.34	0.17	-0.13*
Honors	0.20	0.19	0.08
Multicultural and Academic Initiatives	0.18	0.08	0.15*
President's Leadership Academy	0.05	0.20	0.02
Springboard	-0.01	0.15	-0.01
UNIV 100	-0.04	0.09	-0.03
<u>Fall 1999 Cohort</u>			
BG Effect	-0.24	0.46	-0.03
Chapman Learning Community	-0.18	0.12	-0.10
Health Sciences Residential Community	0.04	0.21	0.01
Honors	0.44	0.15	0.21**
Literacy Serve and Learn	0.09	0.18	0.03
Multicultural and Academic Initiatives	0.05	0.15	0.03
President's Leadership Academy	-0.44	0.18	-0.21*
Springboard	0.14	0.15	0.09
UNIV 100	0.00	0.09	0.00
University Program for Academic Success	0.32	0.21	0.15
<u>Fall 2000 Cohort</u>			
Chapman Learning Community	-0.05	0.13	-0.03
Health Sciences Residential Community	-0.07	0.18	-0.03
Honors	0.16	0.18	0.07
Literacy Serve and Learn	0.73	0.33	0.14*
Multicultural and Academic Initiatives	-0.06	0.08	-0.05
President's Leadership Academy	-0.08	0.14	-0.04
Springboard	0.23	0.11	0.14*
UNIV 100	0.19	0.09	0.14*
University Program for Academic Success	-0.04	0.14	-0.02

Fall 2001 Cohort

Academic Investment in Math and Science	-0.24	0.22	-0.07
Batchelder Music Community	0.94	0.43	0.15*
BG Effect	0.27	0.43	0.04
Chapman Learning Community	0.17	0.16	0.07
Health Sciences Residential Community	-0.25	0.32	-0.05
Honors	-0.02	0.15	-0.01
Literacy Serve and Learn	-0.03	0.22	-0.01
Multicultural and Academic Initiatives	-0.07	0.11	-0.05
President's Leadership Academy	0.40	0.24	0.12
Springboard	0.10	0.12	0.06
UNIV 100	-0.07	0.09	-0.06
University Program for Academic Success	-0.08	0.16	-0.04

Note. Fall 1997 Cohort: $R^2 = .49$ (N = 66, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .32$ (N = 162, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .42$ (N = 160, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .36$ (N = 177, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .40$ (N = 156, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 39

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the First Academic Year After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	2.57	7.27	0.03
Chapman Learning Community	5.82	1.99	0.23**
Honors	2.57	2.67	0.08
Multicultural and Academic Initiatives	0.33	1.44	0.02
Springboard	-2.75	7.37	-0.03
UNIV 100	-0.31	1.51	-0.02
<u>Fall 1998 Cohort</u>			
Chapman Learning Community	-0.75	2.10	-0.02
Health Sciences Residential Community	1.80	2.59	0.04
Honors	1.72	2.47	0.04
Multicultural and Academic Initiatives	0.71	1.02	0.04
President's Leadership Academy	-1.64	2.78	-0.04
Springboard	1.85	2.03	0.07
UNIV 100	-0.51	1.14	-0.03
University Program for Academic Success	-4.54	7.27	-0.04
<u>Fall 1999 Cohort</u>			
BG Effect	-1.50	3.79	-0.02
Chapman Learning Community	0.65	1.28	0.03
Health Sciences Residential Community	4.33	2.69	0.09
Honors	4.74	1.97	0.15*
Literacy Serve and Learn	3.93	2.15	0.11
Multicultural and Academic Initiatives	1.07	1.56	0.05
President's Leadership Academy	0.67	2.35	0.02
Springboard	2.39	1.83	0.11
UNIV 100	0.25	1.00	0.02
University Program for Academic Success	1.39	2.03	0.06
<u>Fall 2000 Cohort</u>			
Chapman Learning Community	1.69	1.73	0.05
Health Sciences Residential Community	1.56	2.77	0.03
Honors	9.49	2.41	0.22**
Literacy Serve and Learn	-0.44	3.65	-0.01
Multicultural and Academic Initiatives	2.06	1.13	0.10
President's Leadership Academy	2.06	2.37	0.05
Springboard	0.10	1.80	0.00
UNIV 100	0.25	1.18	0.01
University Program for Academic Success	0.57	1.97	0.02

Fall 2001 Cohort

Academic Investment in Math and Science	-2.43	3.08	-0.04
Batchelder Music Community	2.77	7.77	0.02
BG Effect	-5.27	7.75	-0.04
Chapman Learning Community	-1.63	1.91	-0.05
Health Sciences Residential Community	-8.62	2.92	-0.16**
Honors	6.97	2.25	0.18**
Literacy Serve and Learn	8.84	3.55	0.13**
Multicultural and Academic Initiatives	-0.26	1.36	-0.01
Partners in Context and Community	3.65	7.80	0.02
President's Leadership Academy	2.99	3.75	0.04
Springboard	6.67	1.87	0.19**
UNIV 100	-0.21	1.22	-0.01
University Program for Academic Success	-0.67	2.00	-0.02

Fall 2002 Cohort

Academic Investment in Math and Science	-0.55	2.55	-0.01
Batchelder Music Community	3.74	3.56	0.05
BG Experience	4.04	3.88	0.11
Chapman Learning Community	-0.25	3.20	0.00
Health Sciences Residential Community	5.25	3.09	0.09
Honors	7.18	2.31	0.17**
Literacy Serve and Learn	8.02	4.98	0.08
Multicultural and Academic Initiatives	-0.26	2.22	-0.01
Partners in Context & Community	3.90	8.60	0.02
President's Leadership Academy	-0.78	4.46	-0.02
SMART	-0.69	1.13	-0.03
Springboard	3.11	2.16	0.07
UNIV 100	0.91	1.21	0.04
University Program for Academic Success	1.39	2.57	0.05

Fall 2003 Cohort

Academic Investment in Math and Science	-0.57	2.17	-0.01
Arts Village	-3.84	2.68	-0.07
BA 150	0.59	1.96	0.01
Batchelder Music Community	3.90	5.33	0.04
BG Experience	-1.82	1.23	-0.08
Chapman Learning Community	-0.83	1.62	-0.03
Health Sciences Residential Community	0.39	1.84	0.01
Honors	3.05	1.93	0.08
Literacy Serve and Learn	-0.33	3.36	0.00
Multicultural and Academic Initiatives	0.72	0.97	0.04
Partners in Context & Community	3.92	3.10	0.06
President's Leadership Academy	7.39	2.72	0.15**
SMART	-0.11	0.95	-0.01
Springboard	-1.69	1.18	-0.07
UNIV 100	-0.45	1.00	-0.02
UNIV 131	2.52	4.27	0.03
University Program for Academic Success	-0.02	1.84	0.00

Fall 2004 Cohort

Academic Investment in Math and Science	0.29	1.92	0.01
Arts Village	-0.24	2.73	0.00
BA 150	-0.38	1.60	-0.01
Batchelder Music Community	0.94	2.42	0.02
BG Experience	1.34	0.97	0.08
Chapman Learning Community	0.12	1.64	0.00
Health Sciences Residential Community	-1.04	2.05	-0.02
Honors	8.61	1.97	0.21**
La Comunidad	4.20	2.52	0.08
La Maison Française	1.66	7.79	0.01
Literacy Serve and Learn	0.65	3.02	0.01
Multicultural and Academic Initiatives	0.92	0.89	0.05
Partners in Context & Community	2.76	3.34	0.04
President's Leadership Academy	-1.03	2.19	-0.02
SMART	-1.28	0.87	-0.07
Springboard	-1.65	1.52	-0.05
UNIV 100	0.72	0.88	0.04
UNIV 131	5.77	3.93	0.07
University Program for Academic Success	-1.90	1.50	-0.06

Fall 2005 Cohort

Academic Investment in Math and Science	1.61	2.78	0.02
Arts Village	0.52	2.30	0.01
BA 150	-0.98	1.14	-0.03
Batchelder Music Community	-2.27	3.10	-0.03
BG Experience	1.38	2.31	0.02
Chapman Learning Community	-0.22	1.11	-0.01
Health Sciences Residential Community	0.31	1.35	0.01
Honors	2.40	1.75	0.06
Literacy Serve and Learn	3.43	2.55	0.05
Multicultural and Academic Initiatives	1.06	0.74	0.06
Partners in Context & Community	-5.92	4.37	-0.05
President's Leadership Academy	3.91	1.88	0.08*
SMART	-0.08	0.74	0.00
Springboard	-0.32	1.17	-0.01
UNIV 100	0.14	0.71	0.01
UNIV 131	-1.89	3.13	-0.02
University Program for Academic Success	0.51	1.30	0.02

Note. Fall 1997 Cohort: $R^2 = .34$ ($N = 125$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .27$ ($N = 242$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .28$ ($N = 238$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .33$ ($N = 272$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .32$ ($N = 266$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .22$ ($N = 320$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .22$ ($N = 371$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .15$ ($N = 454$, $p < .01$).

Note. Fall 2005 Cohort: $R^2 = .18$ ($N = 595$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 40

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Second Academic Year After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	2.08	10.69	0.02
Chapman Learning Community	3.44	3.24	0.11
Honors	4.89	4.38	0.12
Multicultural and Academic Initiatives	3.17	2.52	0.14
Springboard	-1.88	10.81	-0.02
UNIV 100	1.38	2.67	0.06
<u>Fall 1998 Cohort</u>			
Chapman Learning Community	-5.37	3.64	-0.09
Health Sciences Residential Community	0.35	3.99	0.01
Honors	4.55	4.23	0.07
Multicultural and Academic Initiatives	1.64	1.74	0.06
President's Leadership Academy	-3.08	4.33	-0.06
Springboard	-1.01	3.24	-0.03
UNIV 100	-1.21	2.05	-0.04
<u>Fall 1999 Cohort</u>			
BG Effect	-7.95	6.66	-0.08
Chapman Learning Community	-1.72	2.47	-0.05
Health Sciences Residential Community	-0.60	5.17	-0.01
Honors	10.29	3.52	0.20**
Literacy Serve and Learn	3.02	4.02	0.05
Multicultural and Academic Initiatives	0.28	2.98	0.01
President's Leadership Academy	-0.90	4.17	-0.02
Springboard	3.23	3.33	0.09
UNIV 100	-2.56	1.95	-0.09
University Program for Academic Success	-2.38	3.98	-0.05
<u>Fall 2000 Cohort</u>			
Chapman Learning Community	4.20	2.81	0.08
Health Sciences Residential Community	1.82	3.97	0.03
Honors	15.97	3.63	0.27**
Literacy Serve and Learn	-8.35	5.24	-0.09
Multicultural and Academic Initiatives	0.34	1.83	0.01
President's Leadership Academy	0.26	3.43	0.00
Springboard	3.69	2.76	0.08
UNIV 100	0.71	1.94	0.02
University Program for Academic Success	-3.98	3.08	-0.09

Fall 2001 Cohort

Academic Investment in Math and Science	-2.25	5.70	-0.02
Batchelder Music Community	14.28	11.29	0.07
BG Effect	-0.79	11.24	0.00
Chapman Learning Community	6.40	3.53	0.11
Health Sciences Residential Community	-11.51	6.80	-0.10
Honors	8.49	3.33	0.17**
Literacy Serve and Learn	9.16	5.73	0.09
Multicultural and Academic Initiatives	-6.19	2.46	-0.17**
Partners in Context and Community	-7.33	11.34	-0.04
President's Leadership Academy	2.98	6.05	0.03
Springboard	6.02	2.90	0.12*
UNIV 100	1.49	2.03	0.05
University Program for Academic Success	-13.30	3.36	-0.29**

Fall 2002 Cohort

Academic Investment in Math and Science	3.23	3.55	0.05
Batchelder Music Community	-1.87	4.71	-0.02
BG Experience	9.66	5.70	0.21
Chapman Learning Community	-0.73	4.53	-0.01
Health Sciences Residential Community	8.66	4.68	0.11
Honors	10.03	3.52	0.17**
Literacy Serve and Learn	7.83	6.55	0.07
Multicultural and Academic Initiatives	1.62	3.03	0.04
Partners in Context & Community	9.91	11.29	0.05
President's Leadership Academy	-3.55	6.54	-0.07
SMART	-2.31	1.70	-0.08
Springboard	-0.17	3.26	0.00
UNIV 100	-0.11	1.77	0.00
University Program for Academic Success	1.08	3.58	0.03

Fall 2003 Cohort

Academic Investment in Math and Science	-1.47	3.27	-0.03
Arts Village	-6.01	5.05	-0.07
BA 150	-2.57	3.17	-0.04
Batchelder Music Community	1.31	8.06	0.01
BG Experience	-2.43	1.97	-0.08
Chapman Learning Community	-3.48	2.67	-0.07
Health Sciences Residential Community	0.32	3.16	0.01
Honors	4.49	2.93	0.09
Literacy Serve and Learn	-2.57	5.06	-0.03
Multicultural and Academic Initiatives	0.94	1.66	0.03
Partners in Context & Community	4.78	4.71	0.06
President's Leadership Academy	13.29	4.33	0.19**
SMART	-0.41	1.52	-0.02
Springboard	0.72	2.09	0.02
UNIV 100	-1.27	1.70	-0.05
UNIV 131	6.25	6.42	0.05
University Program for Academic Success	-3.08	3.14	-0.06

Fall 2004 Cohort

Academic Investment in Math and Science	0.27	3.13	0.00
Arts Village	-1.32	4.63	-0.01
BA 150	-5.05	2.93	-0.08
Batchelder Music Community	2.32	4.00	0.03
BG Experience	3.32	1.72	0.12*
Chapman Learning Community	-0.89	2.93	-0.02
Health Sciences Residential Community	1.08	3.46	0.02
Honors	12.14	3.23	0.19**
La Comunidad	-0.01	3.80	0.00
La Maison Française	-8.46	12.31	-0.03
Literacy Serve and Learn	2.78	4.78	0.03
Multicultural and Academic Initiatives	0.35	1.56	0.01
Partners in Context & Community	-3.26	5.80	-0.03
President's Leadership Academy	-10.10	3.61	-0.16**
SMART	-2.45	1.52	-0.08
Springboard	-3.59	2.95	-0.06
UNIV 100	-0.29	1.52	-0.01
UNIV 131	6.14	6.21	0.05
University Program for Academic Success	-6.31	2.80	-0.12*

Note. Fall 1997 Cohort: $R^2 = .28$ (N = 85, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .31$ (N = 196, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .28$ (N = 196, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .37$ (N = 225, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .37$ (N = 203, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .27$ (N = 242, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .21$ (N = 300, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .20$ (N = 368, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 41

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Third Academic Year After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-6.68	14.85	-0.05
Chapman Learning Community	7.72	4.84	0.19
Honors	5.79	6.13	0.11
Multicultural and Academic Initiatives	2.97	3.74	0.10
Springboard	-6.93	15.02	-0.05
UNIV 100	1.70	4.10	0.05
<u>Fall 1998 Cohort</u>			
Chapman Learning Community	-6.30	4.96	-0.08
Health Sciences Residential Community	4.60	5.28	0.06
Honors	0.83	4.91	0.01
Multicultural and Academic Initiatives	2.47	2.19	0.07
President's Leadership Academy	-5.83	5.47	-0.09
Springboard	3.55	4.03	0.07
UNIV 100	-4.15	2.56	-0.11
<u>Fall 1999 Cohort</u>			
BG Effect	-9.32	15.99	-0.04
Chapman Learning Community	-0.31	4.95	0.00
Health Sciences Residential Community	1.32	9.28	0.01
Honors	17.77	6.98	0.18**
Literacy Serve and Learn	14.87	8.22	0.13
Multicultural and Academic Initiatives	-1.95	5.94	-0.03
President's Leadership Academy	-0.18	8.24	0.00
Springboard	5.14	6.49	0.07
UNIV 100	3.98	3.97	0.07
University Program for Academic Success	-14.01	7.96	-0.18
<u>Fall 2000 Cohort</u>			
Chapman Learning Community	1.89	4.06	0.03
Health Sciences Residential Community	-3.00	5.95	-0.03
Honors	22.46	5.18	0.30**
Literacy Serve and Learn	-9.15	8.36	-0.07
Multicultural and Academic Initiatives	-2.52	2.77	-0.06
President's Leadership Academy	1.65	4.84	0.02
Springboard	4.03	3.88	0.07
UNIV 100	5.61	2.93	0.12
University Program for Academic Success	-2.05	4.83	-0.03

Fall 2001 Cohort

Academic Investment in Math and Science	-8.76	7.38	-0.08
Batchelder Music Community	16.05	15.96	0.06
BG Effect	-2.37	15.89	-0.01
Chapman Learning Community	7.76	5.45	0.09
Health Sciences Residential Community	-23.06	8.43	-0.18**
Honors	15.27	4.89	0.22**
Literacy Serve and Learn	4.23	8.11	0.03
Multicultural and Academic Initiatives	1.00	3.62	0.02
President's Leadership Academy	7.48	8.57	0.06
Springboard	2.71	4.37	0.04
UNIV 100	-2.12	3.00	-0.05
University Program for Academic Success	-16.81	5.37	-0.26**

Fall 2002 Cohort

Academic Investment in Math and Science	7.88	5.67	0.09
Batchelder Music Community	0.82	7.50	0.01
BG Experience	10.64	8.23	0.17
Chapman Learning Community	-6.14	6.58	-0.06
Health Sciences Residential Community	5.23	6.30	0.05
Honors	9.01	5.13	0.12
Literacy Serve and Learn	2.64	11.57	0.01
Multicultural and Academic Initiatives	3.25	4.41	0.06
Partners in Context & Community	16.45	16.29	0.06
President's Leadership Academy	-4.81	9.49	-0.07
SMART	-2.58	2.59	-0.07
Springboard	-1.55	5.37	-0.02
UNIV 100	2.15	2.77	0.06
University Program for Academic Success	-1.45	5.28	-0.03

Fall 2003 Cohort

Academic Investment in Math and Science	4.62	4.81	0.06
Arts Village	1.31	7.94	0.01
BA 150	-10.63	6.05	-0.10
Batchelder Music Community	-1.93	11.50	-0.01
BG Experience	1.29	2.95	0.03
Chapman Learning Community	-0.09	4.22	0.00
Health Sciences Residential Community	1.32	4.83	0.02
Honors	7.82	4.52	0.11
Literacy Serve and Learn	8.42	8.07	0.06
Multicultural and Academic Initiatives	1.82	2.45	0.05
Partners in Context & Community	15.92	8.06	0.12*
President's Leadership Academy	9.55	6.52	0.10
SMART	-1.02	2.29	-0.03
Springboard	2.27	3.19	0.04
UNIV 100	1.26	2.57	0.03
UNIV 131	9.39	9.10	0.06
University Program for Academic Success	-0.47	4.94	-0.01

Note. Fall 1997 Cohort: $R^2 = .23$ ($N = 74$, $p < .05$).

Note. Fall 1998 Cohort: $R^2 = .36$ ($N = 168$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .22$ ($N = 192$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .31$ ($N = 195$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .36$ ($N = 184$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .26$ ($N = 215$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .22$ ($N = 267$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 42

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Fourth Academic Year After Controlling for Gender and High School GPA and Examining the Interaction of Program Participation and Race

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-6.98	16.63	-0.05
Chapman Learning Community	6.85	5.53	0.15
Honors	0.06	7.29	0.00
Multicultural and Academic Initiatives	3.60	4.41	0.09
Springboard	-6.24	16.80	-0.04
UNIV 100	4.10	4.80	0.11
<u>Fall 1998 Cohort</u>			
Chapman Learning Community	-6.61	6.93	-0.07
Health Sciences Residential Community	-1.30	6.83	-0.01
Honors	-0.72	7.32	-0.01
Multicultural and Academic Initiatives	3.31	3.12	0.08
President's Leadership Academy	-2.68	7.97	-0.03
Springboard	8.15	5.85	0.13
UNIV 100	2.35	3.74	0.05
<u>Fall 1999 Cohort</u>			
BG Effect	-0.44	19.19	0.00
Chapman Learning Community	0.02	4.94	0.00
Health Sciences Residential Community	-3.37	8.74	-0.03
Honors	13.53	6.17	0.17*
Literacy Serve and Learn	0.80	7.60	0.01
Multicultural and Academic Initiatives	-0.23	6.27	0.00
President's Leadership Academy	-9.86	7.54	-0.13
Springboard	4.90	6.04	0.08
UNIV 100	0.15	3.77	0.00
University Program for Academic Success	-5.66	8.74	-0.07
<u>Fall 2000 Cohort</u>			
Chapman Learning Community	-0.22	5.46	0.00
Health Sciences Residential Community	2.49	7.63	0.02
Honors	15.70	7.60	0.16*
Literacy Serve and Learn	-0.91	14.09	0.00
Multicultural and Academic Initiatives	-4.00	3.56	-0.08
President's Leadership Academy	0.87	5.87	0.01
Springboard	5.21	4.86	0.08
UNIV 100	5.54	3.72	0.10
University Program for Academic Success	5.17	6.13	0.07

Fall 2001 Cohort

Academic Investment in Math and Science	-9.62	8.97	-0.08
Batchelder Music Community	13.82	17.71	0.06
BG Effect	-9.67	17.62	-0.04
Chapman Learning Community	10.69	6.44	0.12
Health Sciences Residential Community	-23.08	13.24	-0.13
Honors	0.68	6.23	0.01
Literacy Serve and Learn	3.37	9.04	0.03
Multicultural and Academic Initiatives	-3.30	4.43	-0.06
President's Leadership Academy	12.81	9.68	0.10
Springboard	-2.06	4.92	-0.03
UNIV 100	-0.27	3.57	-0.01
University Program for Academic Success	-18.72	6.45	-0.26**

Note. Fall 1997 Cohort: $R^2 = .31$ (N = 66, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .24$ (N = 162, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .23$ (N = 160, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .30$ (N = 177, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .31$ (N = 156, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

APPENDIX D

Table 43

Summary of Logistic Regression Analysis Predicting One-Year Retention After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.07	0.46	0.02	0.93
Chapman Learning Community	0.70	0.75	0.87	2.01
Honors	0.53	0.29	3.31	1.70
Multicultural and Academic Initiatives	-0.61	0.78	0.62	0.54
Springboard	-1.56	1.15	1.85	0.21
UNIV 100	-0.32	0.23	1.84	0.73
<u>Fall 1998 Cohort</u>				
BG Effect	-0.24	0.79	0.10	0.78
Chapman Learning Community	1.83	1.02	3.24	6.25
Health Sciences Residential Community	-0.07	0.42	0.03	0.93
Honors	0.90	0.26	12.06**	2.45
Multicultural and Academic Initiatives	-0.45	0.66	0.00	0.96
President's Leadership Academy	3.86	6.63	0.34	47.55
Springboard	0.72	0.38	3.55	2.05
UNIV 100	0.22	0.21	1.04	1.24
University Program for Academic Success	-7.70	22.25	0.12	0.00
<u>Fall 1999 Cohort</u>				
BG Effect	0.55	0.76	0.53	1.74
Chapman Learning Community	0.44	0.33	1.72	1.55
Health Sciences Residential Community	0.27	0.49	0.29	1.30
Honors	0.61	0.23	6.69**	1.83
Literacy Serve and Learn	0.76	0.36	4.50*	2.14
Multicultural and Academic Initiatives	-4.27	7.85	0.30	0.01
President's Leadership Academy	0.86	1.08	0.62	2.35
Springboard	0.34	0.33	1.01	1.40
UNIV 100	0.29	0.22	1.74	1.34
<u>Fall 2000 Cohort</u>				
BG Effect	-0.75	0.61	1.54	2.12
Chapman Learning Community	0.14	0.37	0.14	0.87
Health Sciences Residential Community	-0.10	0.56	0.04	1.10
Honors	0.93	0.26	12.98**	0.39
Literacy Serve and Learn	0.41	0.44	0.84	0.67
Multicultural and Academic Initiatives	0.92	0.55	2.76	0.40
President's Leadership Academy	0.12	0.80	0.02	0.89
Springboard	0.58	0.33	3.09	0.56
UNIV 100	0.45	0.22	4.23	0.64
University Program for Academic Success	3.22	7.70	0.18	0.04

Fall 2001 Cohort

Academic Investment in Math and Science	-0.45	0.86	0.27	1.56
Batchelder Music Community	-0.13	0.33	0.15	1.14
BG Effect	-1.11	0.75	2.20	3.02
Chapman Learning Community	0.68	0.44	2.38	0.51
Health Sciences Residential Community	-0.12	0.48	0.06	1.13
Honors	0.56	0.23	6.07**	0.57
Literacy Serve and Learn	1.63	0.73	5.06*	0.20
Multicultural and Academic Initiatives	-0.11	0.83	0.02	1.11
Partners in Context and Community	19.68	16339.72	0.00	0.00
President's Leadership Academy	19.69	12479.08	0.00	0.00
Springboard	0.46	0.30	2.40	0.63
UNIV 100	0.11	0.18	0.35	0.90
University Program for Academic Success	19.38	40192.97	0.00	0.00

Fall 2002 Cohort

Academic Investment in Math and Science	19.92	11467.48	0.00	0.00
Batchelder Music Community	0.19	0.38	0.25	0.83
BG Experience	0.33	0.49	0.44	0.72
Chapman Learning Community	-0.13	0.57	0.05	1.14
Health Sciences Residential Community	-0.45	0.42	1.13	1.57
Honors	1.03	0.25	17.25**	0.36
Literacy Serve and Learn	2.31	1.02	5.18*	0.10
Multicultural and Academic Initiatives	-1.34	1.32	1.04	3.84
Partners in Context & Community	0.53	0.76	0.48	0.59
President's Leadership Academy	18.95	10536.38	0.00	0.00
SMART	0.65	0.55	1.40	0.52
Springboard	-0.05	0.26	0.03	1.05
UNIV 100	0.33	0.18	3.39	0.72
University Program for Academic Success	-2.48	1.36	3.33	11.92

Fall 2003 Cohort

Academic Investment in Math and Science	19.22	10413.19	0.00	223420481.98
Arts Village	1.79	1.02	3.05	5.98
BA 150	0.69	0.36	3.58	1.99
Batchelder Music Community	1.43	0.73	3.83*	4.19
BG Experience	-0.18	0.26	0.45	0.84
Chapman Learning Community	1.42	0.73	3.76*	4.14
Health Sciences Residential Community	0.28	0.40	0.50	1.33
Honors	0.98	0.28	12.55**	2.67
Literacy Serve and Learn	0.83	0.48	3.02	2.30
Multicultural and Academic Initiatives	0.66	0.50	1.79	1.94
Partners in Context & Community	0.23	0.55	0.17	1.26
President's Leadership Academy	19.32	10492.63	0.00	245051125.28
SMART	0.74	0.67	1.22	2.09
Springboard	0.53	0.37	2.12	1.70
UNIV 100	0.36	0.18	4.18*	1.44
UNIV 131	0.32	0.77	0.17	1.38
University Program for Academic Success	19.43	28356.57	0.00	275050836.54

Fall 2004 Cohort

Academic Investment in Math and Science	1.03	1.06	0.94	0.36
Arts Village	-0.78	0.40	3.94*	2.19
BA 150	0.18	0.27	0.44	0.84
Batchelder Music Community	-0.12	0.46	0.06	1.12
BG Experience	0.09	0.16	0.31	0.91
Chapman Learning Community	0.18	0.40	0.21	0.83
Health Sciences Residential Community	0.47	0.45	1.05	0.63
Honors	0.97	0.27	13.44**	0.38
La Comunidad	0.23	1.08	0.04	0.80
La Maison Française	19.09	27993.67	0.00	0.00
Literacy Serve and Learn	0.45	0.38	1.38	0.64
Multicultural and Academic Initiatives	-0.25	0.54	0.21	1.28
Partners in Context & Community	0.68	0.75	0.82	0.51
President's Leadership Academy	1.20	1.08	1.22	0.30
SMART	0.73	0.46	2.50	0.48
Springboard	-0.05	0.29	0.03	1.05
UNIV 100	-0.10	0.17	0.35	1.10
UNIV 131	0.29	0.49	0.36	0.75
University Program for Academic Success	19.72	28285.90	0.00	0.00

*p <= .05. **p <= .01.

Table 44
Summary of Logistic Regression Analysis Predicting Two-Year Retention After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp(B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	0.04	0.43	0.01	1.04
Chapman Learning Community	0.25	0.56	0.20	1.28
Honors	0.38	0.25	2.41	1.47
Multicultural and Academic Initiatives	-0.22	0.62	0.13	0.80
Springboard	-1.48	1.00	2.20	0.23
UNIV 100	-0.21	0.22	0.94	0.81
<u>Fall 1998 Cohort</u>				
BG Effect	0.19	0.78	0.06	1.21
Chapman Learning Community	0.32	0.46	0.50	1.38
Health Sciences Residential Community	0.00	0.38	0.00	1.00
Honors	0.87	0.22	16.18**	2.38
Multicultural and Academic Initiatives	-0.26	0.59	0.20	0.77
President's Leadership Academy	-0.20	0.85	0.06	0.82
Springboard	0.51	0.29	2.99	1.66
UNIV 100	0.36	0.19	3.54	1.44
University Program for Academic Success	-6.67	13.52	0.24	0.00
<u>Fall 1999 Cohort</u>				
BG Effect	-0.44	0.51	0.73	0.65
Chapman Learning Community	0.28	0.27	1.07	1.33
Health Sciences Residential Community	-0.43	0.36	1.43	0.65
Honors	0.85	0.21	15.82**	2.34
Literacy Serve and Learn	0.62	0.29	4.53*	1.86
Multicultural and Academic Initiatives	0.26	0.86	0.09	1.30
President's Leadership Academy	1.64	1.07	2.38	5.17
Springboard	0.10	0.27	0.14	1.11
UNIV 100	0.10	0.18	0.32	1.11
<u>Fall 2000 Cohort</u>				
BG Effect	-0.40	0.61	0.43	0.67
Chapman Learning Community	0.02	0.31	0.00	1.02
Health Sciences Residential Community	-0.20	0.48	0.17	0.82
Honors	0.95	0.22	18.18**	2.60
Literacy Serve and Learn	0.84	0.44	3.66	2.33
Multicultural and Academic Initiatives	0.44	0.51	0.75	1.56
President's Leadership Academy	0.48	0.78	0.37	1.61
Springboard	0.45	0.28	2.63	1.57
UNIV 100	0.30	0.18	2.72	1.35
University Program for Academic Success	19.64	23018.66	0.00	338054394.27

Fall 2001 Cohort

Academic Investment in Math and Science	-0.01	0.86	0.00	1.01
Batchelder Music Community	0.18	0.33	0.30	0.83
BG Effect	-0.65	0.73	0.78	1.91
Chapman Learning Community	0.26	0.34	0.57	0.77
Health Sciences Residential Community	-0.14	0.43	0.10	1.15
Honors	0.55	0.20	7.40**	0.58
Literacy Serve and Learn	0.47	0.39	1.44	0.62
Multicultural and Academic Initiatives	0.72	0.68	1.10	0.49
Partners in Context and Community	0.45	1.10	0.16	0.64
President's Leadership Academy	1.07	1.08	0.98	0.34
Springboard	0.27	0.25	1.17	0.76
UNIV 100	-0.02	0.16	0.01	1.02
University Program for Academic Success	19.93	40192.97	0.00	0.00

Fall 2002 Cohort

Academic Investment in Math and Science	20.27	11519.10	0.00	0.00
Batchelder Music Community	-0.16	0.32	0.27	1.18
BG Experience	-0.21	0.38	0.31	1.24
Chapman Learning Community	0.23	0.57	0.16	0.80
Health Sciences Residential Community	-0.29	0.41	0.51	1.34
Honors	0.97	0.21	20.37**	0.38
Literacy Serve and Learn	1.52	0.60	6.28**	0.22
Multicultural and Academic Initiatives	-1.62	1.26	1.64	5.05
Partners in Context & Community	0.40	0.65	0.38	0.67
President's Leadership Academy	1.38	1.12	1.50	0.25
SMART	0.25	0.46	0.30	0.78
Springboard	0.17	0.25	0.47	0.84
UNIV 100	0.23	0.16	2.03	0.80
University Program for Academic Success	-2.28	1.39	2.69	9.80

Fall 2003 Cohort

Academic Investment in Math and Science	1.27	1.06	1.42	3.55
Arts Village	1.01	0.62	2.68	2.75
BA 150	0.36	0.28	1.64	1.43
Batchelder Music Community	0.59	0.45	1.73	1.81
BG Experience	-0.08	0.23	0.11	0.93
Chapman Learning Community	0.59	0.45	1.72	1.81
Health Sciences Residential Community	-0.22	0.31	0.52	0.80
Honors	0.93	0.23	15.93**	2.53
Literacy Serve and Learn	0.81	0.41	3.88*	2.25
Multicultural and Academic Initiatives	-0.25	0.46	0.30	0.78
Partners in Context & Community	0.35	0.51	0.49	1.42
President's Leadership Academy	19.77	10516.73	0.00	384502931.46
SMART	1.06	0.53	3.94*	2.87
Springboard	0.53	0.31	2.85	1.69
UNIV 100	0.29	0.15	3.46	1.33
UNIV 131	0.25	0.66	0.15	1.29
University Program for Academic Success	19.81	28360.48	0.00	400007994.50

*p <= .05. **p <= .01.

Table 45

Summary of Logistic Regression Analysis Predicting Three-Year Retention After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp(B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.09	0.39	0.05	0.91
Chapman Learning Community	-0.10	0.49	0.05	0.90
Honors	0.27	0.23	1.47	1.32
Multicultural and Academic Initiatives	-0.59	0.63	0.87	0.55
Springboard	-0.93	0.96	0.95	0.39
UNIV 100	-0.19	0.21	0.82	0.83
<u>Fall 1998 Cohort</u>				
BG Effect	-0.09	0.67	0.01	0.92
Chapman Learning Community	-0.14	0.38	0.13	0.87
Health Sciences Residential Community	0.26	0.38	0.45	1.29
Honors	0.48	0.18	7.22**	1.62
Multicultural and Academic Initiatives	-0.42	0.58	0.54	0.66
President's Leadership Academy	-0.46	0.74	0.39	0.63
Springboard	0.44	0.27	2.77	1.56
UNIV 100	0.24	0.18	1.86	1.27
University Program for Academic Success	-5.16	8.23	0.39	0.01
<u>Fall 1999 Cohort</u>				
BG Effect	0.08	0.54	0.02	0.92
Chapman Learning Community	0.21	0.25	0.70	0.81
Health Sciences Residential Community	-0.05	0.37	0.02	1.05
Honors	0.63	0.19	11.57**	0.53
Literacy Serve and Learn	0.59	0.26	4.98*	0.55
Multicultural and Academic Initiatives	0.57	0.77	0.54	0.57
President's Leadership Academy	1.83	1.06	2.97	0.16
Springboard	0.15	0.26	0.35	0.86
UNIV 100	0.25	0.18	2.02	0.78
<u>Fall 2000 Cohort</u>				
BG Effect	-0.85	0.55	2.34	0.43
Chapman Learning Community	-0.05	0.29	0.02	0.96
Health Sciences Residential Community	-0.37	0.44	0.73	0.69
Honors	0.82	0.20	16.60**	2.26
Literacy Serve and Learn	0.43	0.36	1.39	1.53
Multicultural and Academic Initiatives	-0.15	0.49	0.10	0.86
President's Leadership Academy	0.97	0.78	1.53	2.64
Springboard	0.21	0.25	0.72	1.23
UNIV 100	0.43	0.18	5.81*	1.54
University Program for Academic Success	20.00	23168.28	0.00	482748008.03

Fall 2001 Cohort

Academic Investment in Math and Science	-0.21	0.78	0.07	1.23
Batchelder Music Community	0.03	0.30	0.01	0.97
BG Effect	-0.49	0.73	0.44	1.62
Chapman Learning Community	0.59	0.36	2.75	0.55
Health Sciences Residential Community	-0.38	0.40	0.89	1.46
Honors	0.38	0.18	4.30*	0.69
Literacy Serve and Learn	0.99	0.44	4.99*	0.37
Multicultural and Academic Initiatives	0.52	0.66	0.63	0.59
Partners in Context and Community	0.62	1.10	0.32	0.54
President's Leadership Academy	1.17	1.08	1.18	0.31
Springboard	0.35	0.24	2.14	0.70
UNIV 100	0.17	0.16	1.24	0.84
University Program for Academic Success	20.02	40192.97	0.00	0.00

Fall 2002 Cohort

Academic Investment in Math and Science	20.51	11472.89	0.00	0.00
Batchelder Music Community	0.01	0.31	0.00	0.99
BG Experience	0.13	0.39	0.11	0.88
Chapman Learning Community	-0.15	0.50	0.10	1.17
Health Sciences Residential Community	-0.39	0.39	1.03	1.48
Honors	0.73	0.19	14.99**	0.48
Literacy Serve and Learn	1.35	0.53	6.41**	0.26
Multicultural and Academic Initiatives	-0.85	0.91	0.88	2.35
Partners in Context & Community	0.54	0.65	0.69	0.58
President's Leadership Academy	19.90	10584.32	0.00	0.00
SMART	0.56	0.45	1.53	0.57
Springboard	-0.04	0.23	0.03	1.04
UNIV 100	0.16	0.15	1.18	0.85
University Program for Academic Success	-1.74	1.27	1.88	5.71

*p <= .05. **p <= .01

Table 46

Summary of Logistic Regression Analysis Predicting Four-Year Graduation After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp (B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	0.16	0.34	0.23	1.18
Chapman Learning Community	0.54	0.43	1.59	1.72
Honors	0.49	0.18	7.34**	1.64
Multicultural and Academic Initiatives	0.42	0.63	0.44	1.52
Springboard	-1.14	0.97	1.38	0.32
UNIV 100	-0.23	0.19	1.55	0.79
<u>Fall 1998 Cohort</u>				
BG Effect	-0.10	0.59	0.03	0.90
Chapman Learning Community	0.78	0.38	4.25*	2.18
Health Sciences Residential Community	-0.34	0.31	1.22	0.71
Honors	-0.93	0.15	39.64**	0.39
Multicultural and Academic Initiatives	-0.61	0.49	1.57	0.54
President's Leadership Academy	0.39	0.66	0.34	1.47
Springboard	-0.25	0.21	1.41	0.78
UNIV 100	0.15	0.15	1.07	1.17
University Program for Academic Success	20.89	40192.97	0.00	1178353509.78
<u>Fall 1999 Cohort</u>				
BG Effect	-0.49	0.51	0.92	1.63
Chapman Learning Community	-0.38	0.23	2.77	1.47
Health Sciences Residential Community	0.17	0.34	0.25	0.84
Honors	0.68	0.15	20.08**	0.51
Literacy Serve and Learn	0.25	0.21	1.37	0.78
Multicultural and Academic Initiatives	-0.18	0.75	0.06	1.20
President's Leadership Academy	-0.25	0.52	0.23	1.28
Springboard	-0.07	0.23	0.09	1.07
UNIV 100	-0.06	0.16	0.14	1.06
<u>Fall 2000 Cohort</u>				
BG Effect	-1.26	0.66	3.61	0.28
Chapman Learning Community	-0.01	0.25	0.00	0.99
Health Sciences Residential Community	0.56	0.41	1.89	1.76
Honors	0.83	0.15	29.12**	2.29
Literacy Serve and Learn	0.24	0.29	0.73	1.28
Multicultural and Academic Initiatives	0.36	0.41	0.74	1.43
President's Leadership Academy	-0.02	0.55	0.00	0.98
Springboard	0.12	0.21	0.30	1.12
UNIV 100	0.06	0.15	0.18	1.06
University Program for Academic Success	-0.47	1.24	0.14	0.63

Fall 2001 Cohort

Academic Investment in Math and Science	-0.22	0.77	0.08	1.25
Batchelder Music Community	-0.29	0.27	1.15	1.34
BG Effect	-0.13	0.69	0.04	1.14
Chapman Learning Community	-0.10	0.28	0.14	1.11
Health Sciences Residential Community	-0.18	0.39	0.20	1.19
Honors	0.86	0.16	29.28**	0.42
Literacy Serve and Learn	0.17	0.30	0.31	0.85
Multicultural and Academic Initiatives	0.10	0.66	0.02	0.91
Partners in Context and Community	-0.43	0.87	0.24	1.54
President's Leadership Academy	0.86	0.69	1.55	0.42
Springboard	0.23	0.20	1.33	0.79
UNIV 100	-0.41	0.14	8.46**	1.50
University Program for Academic Success	-21.49	40192.97	0.00	2143197719.93

*p <= .05. **p <= .01.

Table 47

Summary of Logistic Regression Analysis Predicting Five-Year Graduation After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp(B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.23	0.34	0.43	0.80
Chapman Learning Community	0.11	0.46	0.05	1.11
Honors	0.53	0.22	6.02**	1.70
Multicultural and Academic Initiatives	0.17	0.58	0.09	1.18
Springboard	-0.85	0.95	0.80	0.43
UNIV 100	-0.14	0.19	0.52	0.87
<u>Fall 1998 Cohort</u>				
BG Effect	-0.61	0.60	1.05	1.84
Chapman Learning Community	0.27	0.39	0.47	0.76
Health Sciences Residential Community	-0.33	0.32	1.06	1.38
Honors	0.64	0.17	14.00**	0.53
Multicultural and Academic Initiatives	0.24	0.48	0.24	0.79
President's Leadership Academy	0.31	0.83	0.14	0.73
Springboard	0.55	0.26	4.54*	0.58
UNIV 100	-0.02	0.16	0.02	1.02
University Program for Academic Success	-21.33	40192.97	0.00	1827210800.18
<u>Fall 1999 Cohort</u>				
BG Effect	-0.24	0.49	0.24	1.27
Chapman Learning Community	-0.10	0.23	0.21	1.11
Health Sciences Residential Community	-0.02	0.36	0.00	1.02
Honors	0.73	0.18	16.21**	0.48
Literacy Serve and Learn	0.87	0.28	10.07**	0.42
Multicultural and Academic Initiatives	0.16	0.77	0.04	0.85
President's Leadership Academy	0.92	0.68	1.82	0.40
Springboard	0.18	0.25	0.54	0.83
UNIV 100	0.27	0.17	2.45	0.76
<u>Fall 2000 Cohort</u>				
BG Effect	-1.14	0.56	4.21*	0.32
Chapman Learning Community	-0.34	0.26	1.69	0.71
Health Sciences Residential Community	-0.25	0.42	0.35	0.78
Honors	0.84	0.18	21.18**	2.32
Literacy Serve and Learn	0.48	0.34	2.02	1.62
Multicultural and Academic Initiatives	0.26	0.43	0.36	1.29
President's Leadership Academy	0.85	0.67	1.61	2.35
Springboard	0.16	0.23	0.48	1.17
UNIV 100	0.33	0.16	4.20*	1.40
University Program for Academic Success	20.47	23190.60	0.00	775879852.40

*p <= .05. **p <= .01.

Table 48

Summary of Logistic Regression Analysis Predicting Six-Year Graduation After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>	<u>Exp(B)</u>
<u>Fall 1997 Cohort</u>				
BG Effect	-0.36	0.34	1.11	0.70
Chapman Learning Community	-0.03	0.46	0.01	0.97
Honors	0.55	0.23	5.90*	1.73
Multicultural and Academic Initiatives	-0.06	0.58	0.01	0.94
Springboard	-0.86	0.95	0.84	0.42
UNIV 100	-0.19	0.19	0.99	0.82
<u>Fall 1998 Cohort</u>				
BG Effect	-0.41	0.62	0.45	1.51
Chapman Learning Community	0.10	0.39	0.07	0.90
Health Sciences Residential Community	-0.12	0.34	0.13	1.13
Honors	0.68	0.18	13.82**	0.51
Multicultural and Academic Initiatives	0.05	0.51	0.01	0.95
President's Leadership Academy	0.10	0.84	0.01	0.91
Springboard	0.51	0.27	3.65	0.60
UNIV 100	0.06	0.17	0.13	0.94
University Program for Academic Success	-21.70	40192.97	0.00	2642927159.83
<u>Fall 1999 Cohort</u>				
BG Effect	0.11	0.53	0.04	0.90
Chapman Learning Community	-0.07	0.24	0.08	1.07
Health Sciences Residential Community	-0.04	0.37	0.01	1.04
Honors	0.68	0.19	13.45**	0.50
Literacy Serve and Learn	0.80	0.28	7.99**	0.45
Multicultural and Academic Initiatives	0.28	0.77	0.13	0.76
President's Leadership Academy	1.25	0.79	2.50	0.29
Springboard	0.14	0.25	0.29	0.87
UNIV 100	0.19	0.17	1.17	0.83

*p <= .05. **p <= .01

Table 49

Summary of Regression Analysis Predicting Cumulative GPA at the End of the First Academic Year After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-0.04	0.10	-0.01
Chapman Learning Community	0.32	0.12	0.09**
Honors	0.51	0.05	0.30**
Multicultural and Academic Initiatives	-0.01	0.18	-0.00
Springboard	-0.25	0.27	-0.03
UNIV 100	-0.05	0.06	-0.03
<u>Fall 1998 Cohort</u>			
BG Effect	0.08	0.18	0.01
Chapman Learning Community	0.06	0.11	0.01
Health Sciences Residential Community	-0.05	0.10	-0.01
Honors	0.57	0.05	0.31**
Multicultural and Academic Initiatives	0.15	0.15	0.05
President's Leadership Academy	-0.10	0.21	-0.01
Springboard	0.09	0.07	0.00
UNIV 100	-0.03	0.05	-0.02
University Program for Academic Success	-1.30	0.66	-0.05*
<u>Fall 1999 Cohort</u>			
BG Effect	-0.09	0.15	-0.02
Chapman Learning Community	0.03	0.07	0.01
Health Sciences Residential Community	0.13	0.11	0.00
Honors	0.46	0.05	0.25**
Literacy Serve and Learn	0.13	0.07	0.05
Multicultural and Academic Initiatives	-0.13	0.23	-0.05
President's Leadership Academy	0.16	0.16	0.03
Springboard	0.16	0.73	0.06*
UNIV 100	-0.01	0.05	-0.01
<u>Fall 2000 Cohort</u>			
BG Effect	-0.06	0.18	-0.01
Chapman Learning Community	0.18	0.08	0.06*
Health Sciences Residential Community	-0.08	0.13	-0.02
Honors	0.50	0.05	0.27**
Literacy Serve and Learn	0.18	0.09	0.05*
Multicultural and Academic Initiatives	0.29	0.13	0.10*
President's Leadership Academy	-0.23	0.17	-0.04
Springboard	0.12	0.07	0.05
UNIV 100	0.03	0.05	0.02
University Program for Academic Success	-0.21	0.37	-0.01

Fall 2001 Cohort

Academic Investment in Math and Science	-0.40	0.23	-0.04
Batchelder Music Community	0.20	0.08	0.06*
BG Effect	0.01	0.23	0.00
Chapman Learning Community	0.19	0.08	0.06*
Health Sciences Residential Community	-0.22	0.12	-0.05
Honors	0.50	0.05	0.29**
Literacy Serve and Learn	0.12	0.09	0.04
Multicultural and Academic Initiatives	-0.04	0.20	-0.02
Partners in Context and Community	0.01	0.23	0.00
President's Leadership Academy	0.26	0.18	0.04
Springboard	-0.01	0.06	0.00
UNIV 100	-0.01	0.04	0.00
University Program for Academic Success	-1.37	0.56	-0.06*

Fall 2002 Cohort

Academic Investment in Math and Science	0.25	0.19	0.03
Batchelder Music Community	0.13	0.10	0.03
BG Experience	0.00	0.11	0.00
Chapman Learning Community	-0.15	0.15	-0.03
Health Sciences Residential Community	0.04	0.12	0.01
Honors	0.54	0.05	0.29**
Literacy Serve and Learn	0.23	0.10	0.06*
Multicultural and Academic Initiatives	-0.52	0.23	-0.21*
Partners in Context & Community	0.24	0.16	0.04
President's Leadership Academy	0.21	0.21	0.03
SMART	-0.12	0.12	-0.03
Springboard	0.08	0.07	0.03
UNIV 100	0.09	0.04	0.05*
University Program for Academic Success	-0.64	0.38	-0.04

Fall 2003 Cohort

Academic Investment in Math and Science	0.18	0.18	0.03
Arts Village	0.11	0.13	0.02
BA 150	-0.06	0.07	-0.02
Batchelder Music Community	0.24	0.10	0.06*
BG Experience	-0.04	0.06	-0.02
Chapman Learning Community	0.03	0.10	0.01
Health Sciences Residential Community	-0.19	0.09	-0.05*
Honors	0.50	0.05	0.25**
Literacy Serve and Learn	0.21	0.09	0.06*
Multicultural and Academic Initiatives	0.37	0.13	0.16**
Partners in Context & Community	0.40	0.14	0.07**
President's Leadership Academy	0.26	0.19	0.04
SMART	0.04	0.12	0.01
Springboard	0.04	0.08	0.01
UNIV 100	0.13	0.04	0.08**
UNIV 131	0.07	0.18	0.01
University Program for Academic Success	-0.13	0.46	-0.01

Fall 2004 Cohort

Academic Investment in Math and Science	0.19	0.17	0.03
Arts Village	0.00	0.11	0.00
BA 150	0.00	0.06	0.00
Batchelder Music Community	0.09	0.10	0.02
BG Experience	0.03	0.04	0.02
Chapman Learning Community	-0.05	0.08	-0.01
Health Sciences Residential Community	-0.04	0.09	-0.01
Honors	0.42	0.04	0.23**
La Comunidad	0.22	0.23	0.02
La Maison Française	0.45	0.45	0.02
Literacy Serve and Learn	0.07	0.08	0.02
Multicultural and Academic Initiatives	0.08	0.13	0.04
Partners in Context & Community	0.18	0.13	0.03
President's Leadership Academy	-0.01	0.16	0.00
SMART	0.04	0.10	0.01
Springboard	-0.07	0.07	-0.03
UNIV 100	0.05	0.04	0.03
UNIV 131	0.18	0.10	0.04
University Program for Academic Success	-0.11	0.45	-0.01

Fall 2005 Cohort

Academic Investment in Math and Science	0.38	0.24	0.04
Arts Village	-0.01	0.11	0.00
BA 150	0.00	0.06	0.00
Batchelder Music Community	-0.10	0.10	-0.02
BG Experience	0.02	0.16	0.00
Chapman Learning Community	0.15	0.08	0.05*
Health Sciences Residential Community	0.02	0.08	0.00
Honors	0.50	0.05	0.24**
Literacy Serve and Learn	0.20	0.08	0.06**
Multicultural and Academic Initiatives	0.33	0.11	0.15**
Partners in Context & Community	0.24	0.15	0.04
President's Leadership Academy	0.28	0.16	0.04
SMART	-0.09	0.10	-0.03
Springboard	-0.02	0.06	-0.01
UNIV 100	0.05	0.04	0.03
UNIV 131	0.06	0.13	0.01
University Program for Academic Success	-0.13	0.34	-0.01

Note. Fall 1997 Cohort: $R^2 = .10$ ($N = 928$, $p < .05$).

Note. Fall 1998 Cohort: $R^2 = .12$ ($N = 1,535$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .08$ ($N = 1,496$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .11$ ($N = 1,448$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .13$ ($N = 1,385$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .12$ ($N = 1,458$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .12$ ($N = 1,530$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .10$ ($N = 1,775$, $p < .01$).

Note. Fall 2005 Cohort: $R^2 = .10$ ($N = 1,605$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 50

Summary of Regression Analysis Predicting Cumulative GPA at the End of the Second Academic Year After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.09	0.09	0.03
Chapman Learning Community	0.03	0.11	0.01
Honors	0.46	0.05	0.33**
Multicultural and Academic Initiatives	0.07	0.16	0.02
Springboard	0.25	0.30	0.03
UNIV 100	-0.07	0.05	-0.05
<u>Fall 1998 Cohort</u>			
BG Effect	0.27	0.16	0.04
Chapman Learning Community	-0.14	0.09	-0.04
Health Sciences Residential Community	-0.07	0.08	-0.02
Honors	0.51	0.04	0.34**
Multicultural and Academic Initiatives	0.17	0.13	0.06
President's Leadership Academy	-0.35	0.17	-0.06*
Springboard	0.08	0.06	0.00
UNIV 100	-0.04	0.04	-0.03
<u>Fall 1999 Cohort</u>			
BG Effect	-0.03	0.14	-0.01
Chapman Learning Community	-0.04	0.06	-0.02
Health Sciences Residential Community	0.14	0.10	0.04
Honors	0.40	0.04	0.26**
Literacy Serve and Learn	0.14	0.06	0.06*
Multicultural and Academic Initiatives	-0.09	0.19	-0.04
President's Leadership Academy	0.02	0.13	0.01
Springboard	0.12	0.06	0.06
UNIV 100	-0.08	0.04	-0.05
<u>Fall 2000 Cohort</u>			
BG Effect	-0.08	0.16	-0.01
Chapman Learning Community	0.05	0.07	0.02
Health Sciences Residential Community	-0.20	0.10	-0.05
Honors	0.46	0.04	0.32**
Literacy Serve and Learn	0.23	0.07	0.08**
Multicultural and Academic Initiatives	0.03	0.11	0.01
President's Leadership Academy	0.08	0.14	0.02
Springboard	0.09	0.06	0.04
UNIV 100	0.02	0.04	0.01
University Program for Academic Success	-0.39	0.29	-0.04

Fall 2001 Cohort

Academic Investment in Math and Science	-0.35	0.23	-0.04
Batchelder Music Community	0.07	0.07	0.02
BG Effect	0.02	0.21	0.00
Chapman Learning Community	0.16	0.08	0.05*
Health Sciences Residential Community	-0.13	0.11	-0.03
Honors	0.47	0.04	0.29**
Literacy Serve and Learn	0.13	0.08	0.04
Multicultural and Academic Initiatives	-0.15	0.19	-0.07
Partners in Context and Community	0.43	0.23	0.05
President's Leadership Academy	0.22	0.17	0.03
Springboard	-0.10	0.05	-0.05
UNIV 100	-0.02	0.04	-0.02
University Program for Academic Success	-1.28	0.51	-0.06**

Fall 2002 Cohort

Academic Investment in Math and Science	0.07	0.15	0.01
Batchelder Music Community	0.06	0.08	0.02
BG Experience	-0.06	0.09	-0.02
Chapman Learning Community	-0.10	0.13	-0.02
Health Sciences Residential Community	0.16	0.11	0.04
Honors	0.49	0.04	0.34**
Literacy Serve and Learn	0.21	0.08	0.07**
Multicultural and Academic Initiatives	-0.29	0.20	-0.15
Partners in Context & Community	0.20	0.13	0.04
President's Leadership Academy	0.10	0.17	0.02
SMART	-0.33	0.10	-0.10**
Springboard	0.03	0.06	0.01
UNIV 100	0.08	0.04	0.06*
University Program for Academic Success	-1.72	0.53	-0.09**

Fall 2003 Cohort

Academic Investment in Math and Science	0.02	0.15	0.00
Arts Village	0.17	0.11	0.04
BA 150	-0.19	0.06	-0.08**
Batchelder Music Community	0.10	0.09	0.03
BG Experience	0.01	0.06	0.01
Chapman Learning Community	0.09	0.09	0.03
Health Sciences Residential Community	-0.03	0.08	-0.01
Honors	0.46	0.04	0.28**
Literacy Serve and Learn	0.15	0.07	0.05*
Multicultural and Academic Initiatives	0.23	0.12	0.12*
Partners in Context & Community	0.28	0.11	0.06*
President's Leadership Academy	0.08	0.15	0.01
SMART	-0.01	0.10	0.00
Springboard	0.09	0.07	0.03
UNIV 100	0.07	0.04	0.05
UNIV 131	0.12	0.15	0.02
University Program for Academic Success	-0.28	0.38	-0.02

Fall 2004 Cohort

Academic Investment in Math and Science	-0.01	0.14	0.00
Arts Village	0.04	0.11	0.01
BA 150	-0.02	0.05	-0.01
Batchelder Music Community	0.12	0.09	0.03
BG Experience	0.01	0.03	0.01
Chapman Learning Community	-0.01	0.07	0.00
Health Sciences Residential Community	-0.09	0.07	-0.03
Honors	0.40	0.04	0.27**
La Comunidad	0.09	0.18	0.01
La Maison Française	0.36	0.37	0.02
Literacy Serve and Learn	0.08	0.06	0.03
Multicultural and Academic Initiatives	0.10	0.12	0.05
Partners in Context & Community	0.20	0.11	0.04
President's Leadership Academy	0.03	0.14	0.01
SMART	-0.07	0.09	-0.03
Springboard	-0.03	0.06	-0.01
UNIV 100	0.00	0.03	0.00
UNIV 131	0.15	0.08	0.04
University Program for Academic Success	-0.39	0.53	-0.02

Note. Fall 1997 Cohort: $R^2 = .13$ ($N = 811$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .14$ ($N = 1,354$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .10$ ($N = 1,272$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .15$ ($N = 1,252$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .15$ ($N = 1,342$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .17$ ($N = 1,229$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .15$ ($N = 1,345$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .13$ ($N = 1,559$, $p < .01$).

* $p < .05$. ** $p < .01$.

Table 51

Summary of Regression Analysis Predicting Cumulative GPA at the End of the Third Academic Year
Controlling for Gender and Race and Examining the Interaction of Program Participation and High School
GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.04	0.09	0.02
Chapman Learning Community	0.06	0.11	0.02
Honors	0.42	0.04	0.33**
Multicultural and Academic Initiatives	0.10	0.15	0.03
Springboard	0.16	0.28	0.02
UNIV 100	-0.06	0.05	-0.05
<u>Fall 1998 Cohort</u>			
BG Effect	0.22	0.16	0.04
Chapman Learning Community	-0.04	0.09	-0.01
Health Sciences Residential Community	-0.06	0.08	-0.02
Honors	0.46	0.04	0.34**
Multicultural and Academic Initiatives	0.18	0.13	0.07
President's Leadership Academy	-0.06	0.17	-0.01
Springboard	-0.02	0.05	-0.01
UNIV 100	0.05	0.04	0.00
<u>Fall 1999 Cohort</u>			
BG Effect	0.03	0.13	0.01
Chapman Learning Community	-0.03	0.06	-0.01
Health Sciences Residential Community	0.13	0.10	0.04
Honors	0.38	0.04	0.27**
Literacy Serve and Learn	0.18	0.06	0.09**
Multicultural and Academic Initiatives	0.14	0.19	0.07
President's Leadership Academy	-0.03	0.13	-0.01
Springboard	0.10	0.06	0.05
UNIV 100	-0.07	0.04	-0.04
<u>Fall 2000 Cohort</u>			
BG Effect	-0.10	0.15	-0.02
Chapman Learning Community	-0.03	0.07	-0.01
Health Sciences Residential Community	-0.21	0.12	-0.05
Honors	0.40	0.04	0.29**
Literacy Serve and Learn	0.22	0.07	0.08**
Multicultural and Academic Initiatives	0.00	0.11	0.00
President's Leadership Academy	0.07	0.14	0.01
Springboard	0.05	0.06	0.02
UNIV 100	0.02	0.04	0.01
University Program for Academic Success	-0.47	0.28	-0.05

Fall 2001 Cohort

Academic Investment in Math and Science	-0.63	0.20	-0.08**
Batchelder Music Community	0.09	0.07	0.03
BG Effect	0.03	0.20	0.00
Chapman Learning Community	0.13	0.07	0.05
Health Sciences Residential Community	-0.24	0.11	-0.06*
Honors	0.44	0.04	0.29**
Literacy Serve and Learn	0.11	0.08	0.04
Multicultural and Academic Initiatives	-0.24	0.19	-0.12
Partners in Context and Community	0.63	0.24	0.07**
President's Leadership Academy	0.19	0.17	0.03
Springboard	-0.07	0.05	-0.03
UNIV 100	0.04	0.04	0.03
University Program for Academic Success	-0.82	0.48	-0.04

Fall 2002 Cohort

Academic Investment in Math and Science	0.04	0.14	0.01
Batchelder Music Community	0.10	0.08	0.04
BG Experience	-0.06	0.09	-0.02
Chapman Learning Community	-0.22	0.13	-0.05
Health Sciences Residential Community	0.10	0.10	0.03
Honors	0.44	0.04	0.33**
Literacy Serve and Learn	0.13	0.08	0.05
Multicultural and Academic Initiatives	-0.21	0.19	-0.11
Partners in Context & Community	0.20	0.13	0.04
President's Leadership Academy	0.03	0.16	0.01
SMART	-0.24	0.10	-0.08*
Springboard	-0.03	0.06	-0.01
UNIV 100	0.09	0.04	0.07**
University Program for Academic Success	-1.42	0.50	-0.08**

Fall 2003 Cohort

Academic Investment in Math and Science	0.10	0.14	0.02
Arts Village	0.14	0.10	0.04
BA 150	-0.16	0.06	-0.07**
Batchelder Music Community	0.23	0.09	0.07**
BG Experience	0.01	0.05	0.00
Chapman Learning Community	0.10	0.08	0.03
Health Sciences Residential Community	-0.07	0.08	-0.02
Honors	0.43	0.04	0.29**
Literacy Serve and Learn	0.18	0.07	0.07*
Multicultural and Academic Initiatives	0.47	0.11	0.26**
Partners in Context & Community	0.18	0.11	0.04
President's Leadership Academy	0.11	0.15	0.02
SMART	-0.15	0.10	-0.05
Springboard	0.09	0.06	0.04
UNIV 100	0.07	0.04	0.06*
UNIV 131	0.11	0.15	0.02
University Program for Academic Success	-0.08	0.35	-0.01

Note. Fall 1997 Cohort: $R^2 = .14$ ($N = 770$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .14$ ($N = 1,274$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .11$ ($N = 1,193$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .15$ ($N = 1,177$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .16$ ($N = 1,269$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .17$ ($N = 1,160$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .18$ ($N = 1,254$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 52

Summary of Regression Analysis Predicting Cumulative GPA at the End of the Fourth Academic Year After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.10	0.09	0.04
Chapman Learning Community	0.06	0.11	0.02
Honors	0.41	0.05	0.32
Multicultural and Academic Initiatives	0.22	0.16	0.07
Springboard	-0.10	0.27	-0.00
UNIV 100	-0.09	0.05	-0.07
<u>Fall 1998 Cohort</u>			
BG Effect	0.15	0.17	0.02
Chapman Learning Community	-0.05	0.09	-0.01
Health Sciences Residential Community	-0.09	0.08	-0.03
Honors	0.38	0.04	0.29**
Multicultural and Academic Initiatives	0.35	0.12	0.14**
President's Leadership Academy	-0.07	0.16	-0.01
Springboard	-0.04	0.05	-0.02
UNIV 100	-0.02	0.04	-0.02
<u>Fall 1999 Cohort</u>			
BG Effect	0.02	0.12	0.01
Chapman Learning Community	-0.03	0.06	-0.01
Health Sciences Residential Community	0.10	0.09	0.03
Honors	0.37	0.04	0.28**
Literacy Serve and Learn	0.18	0.05	0.10**
Multicultural and Academic Initiatives	0.17	0.20	0.09
President's Leadership Academy	-0.05	0.12	-0.02
Springboard	0.05	0.06	0.03
UNIV 100	-0.06	0.04	-0.05
<u>Fall 2000 Cohort</u>			
BG Effect	-0.08	0.17	-0.01
Chapman Learning Community	-0.04	0.07	-0.02
Health Sciences Residential Community	-0.18	0.11	-0.05
Honors	0.36	0.04	0.26**
Literacy Serve and Learn	0.27	0.08	0.10**
Multicultural and Academic Initiatives	0.09	0.11	0.04
President's Leadership Academy	0.07	0.14	0.02
Springboard	0.01	0.06	0.00
UNIV 100	0.01	0.04	0.01
University Program for Academic Success	-0.32	0.28	-0.03

Fall 2001 Cohort

Academic Investment in Math and Science	-0.46	0.21	-0.06*
Batchelder Music Community	0.14	0.07	0.05*
BG Effect	0.09	0.19	0.01
Chapman Learning Community	0.06	0.07	0.02
Health Sciences Residential Community	-0.19	0.11	-0.05
Honors	0.38	0.04	0.26**
Literacy Serve and Learn	0.12	0.08	0.04
Multicultural and Academic Initiatives	-0.16	0.19	-0.08
Partners in Context and Community	0.51	0.24	0.06*
President's Leadership Academy	0.14	0.16	0.03
Springboard	-0.05	0.05	-0.03
UNIV 100	0.03	0.04	0.02
University Program for Academic Success	-0.94	0.47	-0.05*

Note. Fall 1997 Cohort: $R^2 = .13$ (N = 714, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .12$ (N = 1,195, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .13$ (N = 1,095, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .15$ (N = 1,087, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .15$ (N = 1,171, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 53

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the First Academic Year After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	-0.12	1.00	-0.00
Chapman Learning Community	0.24	1.23	0.01
Honors	6.27	0.54	0.36**
Multicultural and Academic Initiatives	1.92	1.75	0.06
Springboard	-0.91	2.67	-0.01
UNIV 100	-1.40	0.55	-0.08*
<u>Fall 1998 Cohort</u>			
BG Effect	-2.84	1.78	-0.04
Chapman Learning Community	0.42	1.04	0.01
Health Sciences Residential Community	-0.41	0.95	-0.01
Honors	5.75	0.44	0.32**
Multicultural and Academic Initiatives	1.31	1.48	0.04
President's Leadership Academy	-1.75	1.97	-0.02
Springboard	-0.40	0.65	-0.02
UNIV 100	-0.54	0.46	-0.03
University Program for Academic Success	-12.01	6.36	-0.05
<u>Fall 1999 Cohort</u>			
BG Effect	-1.22	1.43	-0.02
Chapman Learning Community	0.59	0.64	0.02
Health Sciences Residential Community	0.35	1.00	0.01
Honors	3.67	0.44	0.21**
Literacy Serve and Learn	1.58	0.62	0.07*
Multicultural and Academic Initiatives	0.95	2.15	0.04
President's Leadership Academy	1.75	1.47	0.03
Springboard	-0.31	0.68	-0.01
UNIV 100	-0.86	0.47	-0.05
<u>Fall 2000 Cohort</u>			
BG Effect	-0.56	1.85	-0.01
Chapman Learning Community	1.06	0.85	0.03
Health Sciences Residential Community	0.41	1.32	0.01
Honors	4.84	0.49	0.25**
Literacy Serve and Learn	1.43	0.95	0.04
Multicultural and Academic Initiatives	2.19	1.36	0.08
President's Leadership Academy	-2.05	1.76	-0.03
Springboard	0.19	0.71	0.01
UNIV 100	-0.71	0.49	-0.04
University Program for Academic Success	-3.49	3.87	-0.02

Fall 2001 Cohort

Academic Investment in Math and Science	-5.96	2.51	-0.06*
Batchelder Music Community	1.14	0.95	0.03
BG Effect	-0.74	2.84	-0.01
Chapman Learning Community	0.40	0.94	0.01
Health Sciences Residential Community	-1.52	1.36	-0.03
Honors	5.74	0.53	0.27**
Literacy Serve and Learn	0.90	1.02	0.02
Multicultural and Academic Initiatives	2.26	2.29	0.08
Partners in Context and Community	-0.28	2.81	0.00
President's Leadership Academy	4.81	2.25	0.05*
Springboard	-0.59	0.69	-0.02
UNIV 100	-1.20	0.49	-0.06**
University Program for Academic Success	-13.56	6.90	-0.05*

Fall 2002 Cohort

Academic Investment in Math and Science	0.35	2.15	0.00
Batchelder Music Community	2.35	1.07	0.06*
BG Experience	-0.06	1.25	0.00
Chapman Learning Community	-3.50	1.64	-0.05*
Health Sciences Residential Community	0.76	1.34	0.01
Honors	5.84	0.53	0.28**
Literacy Serve and Learn	1.43	1.17	0.03
Multicultural and Academic Initiatives	-3.14	2.58	-0.11
Partners in Context & Community	-0.99	1.83	-0.01
President's Leadership Academy	4.26	2.35	0.05
SMART	-0.54	1.38	-0.01
Springboard	0.08	0.79	0.00
UNIV 100	-0.57	0.50	-0.03
University Program for Academic Success	-3.64	4.27	-0.02

Fall 2003 Cohort

Academic Investment in Math and Science	0.69	1.91	0.01
Arts Village	0.24	1.35	0.00
BA 150	-0.90	0.77	-0.03
Batchelder Music Community	1.15	1.09	0.03
BG Experience	-0.64	0.67	-0.02
Chapman Learning Community	0.03	1.09	0.00
Health Sciences Residential Community	-0.37	1.00	-0.01
Honors	5.70	0.54	0.27**
Literacy Serve and Learn	0.83	0.95	0.02
Multicultural and Academic Initiatives	2.63	1.42	0.11
Partners in Context & Community	3.34	1.49	0.05*
President's Leadership Academy	3.23	1.99	0.04
SMART	-1.55	1.26	-0.04
Springboard	-1.56	0.82	-0.05
UNIV 100	-0.67	0.45	-0.04
UNIV 131	-0.26	1.93	0.00
University Program for Academic Success	4.02	4.92	0.02

Fall 2004 Cohort

Academic Investment in Math and Science	1.06	1.99	0.01
Arts Village	-0.06	1.30	0.00
BA 150	-0.91	0.67	-0.03
Batchelder Music Community	1.34	1.18	0.03
BG Experience	0.02	0.41	0.00
Chapman Learning Community	-1.02	0.96	-0.02
Health Sciences Residential Community	0.88	1.03	0.02
Honors	5.68	0.51	0.26**
La Comunidad	2.01	2.67	0.02
La Maison Française	2.04	5.26	0.01
Literacy Serve and Learn	-0.33	0.88	-0.01
Multicultural and Academic Initiatives	-0.82	1.48	-0.03
Partners in Context & Community	1.21	1.48	0.02
President's Leadership Academy	0.71	1.89	0.01
SMART	-0.79	1.15	-0.02
Springboard	-1.98	0.77	-0.06**
UNIV 100	-1.15	0.46	-0.06**
UNIV 131	0.59	1.17	0.01
University Program for Academic Success	-4.52	5.28	-0.02

Fall 2005 Cohort

Academic Investment in Math and Science	0.89	2.67	0.01
Arts Village	1.57	1.25	0.03
BA 150	-0.79	0.67	-0.03
Batchelder Music Community	1.37	1.12	0.03
BG Experience	-2.15	1.73	-0.03
Chapman Learning Community	1.13	0.83	0.03
Health Sciences Residential Community	1.25	0.90	0.03
Honors	6.95	0.57	0.30**
Literacy Serve and Learn	1.15	0.91	0.03
Multicultural and Academic Initiatives	2.32	1.25	0.10
Partners in Context & Community	0.66	1.65	0.01
President's Leadership Academy	5.63	1.74	0.08**
SMART	-1.53	1.08	-0.04
Springboard	-0.40	0.69	-0.01
UNIV 100	-0.88	0.47	-0.05
UNIV 131	-0.31	1.45	-0.01
University Program for Academic Success	-1.99	3.73	-0.01

Note. Fall 1997 Cohort: $R^2 = .15$ ($N = 928$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .13$ ($N = 1,534$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .06$ ($N = 1,496$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .08$ ($N = 1,448$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .10$ ($N = 1,550$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .10$ ($N = 1,458$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .10$ ($N = 1,530$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .12$ ($N = 1,775$, $p < .01$).

Note. Fall 2005 Cohort: $R^2 = .13$ ($N = 1,605$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 54

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Second Academic Year After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	0.77	1.60	0.02
Chapman Learning Community	0.78	1.91	0.01
Honors	8.44	0.82	0.35**
Multicultural and Academic Initiatives	-0.44	2.80	-0.01
Springboard	1.19	5.23	0.01
UNIV 100	-1.10	0.87	-0.04
<u>Fall 1998 Cohort</u>			
BG Effect	-1.88	2.71	-0.02
Chapman Learning Community	1.07	1.54	0.02
Health Sciences Residential Community	-0.76	1.39	-0.01
Honors	7.64	0.64	0.31**
Multicultural and Academic Initiatives	3.22	2.17	0.07
President's Leadership Academy	-6.81	2.78	-0.07*
Springboard	-0.06	0.96	-0.00
UNIV 100	-0.36	0.68	-0.01
<u>Fall 1999 Cohort</u>			
BG Effect	-0.05	2.27	-0.00
Chapman Learning Community	0.98	1.00	0.03
Health Sciences Residential Community	1.79	1.64	0.03
Honors	4.58	0.67	0.19**
Literacy Serve and Learn	2.87	0.95	0.08**
Multicultural and Academic Initiatives	1.59	3.11	0.05
President's Leadership Academy	1.45	2.17	0.02
Springboard	-1.13	1.05	-0.03
UNIV 100	-1.82	0.72	-0.07*
<u>Fall 2000 Cohort</u>			
BG Effect	1.41	2.84	0.01
Chapman Learning Community	0.12	1.21	0.00
Health Sciences Residential Community	0.19	1.89	0.00
Honors	6.43	0.69	0.26**
Literacy Serve and Learn	1.07	1.33	0.02
Multicultural and Academic Initiatives	1.53	1.98	0.04
President's Leadership Academy	-0.11	2.57	0.00
Springboard	0.04	1.01	0.00
UNIV 100	-0.58	0.71	-0.02
University Program for Academic Success	-7.60	5.22	-0.04

Fall 2001 Cohort

Academic Investment in Math and Science	-3.58	4.19	-0.02
Batchelder Music Community	5.15	1.34	0.10**
BG Effect	0.76	3.80	0.01
Chapman Learning Community	2.65	1.37	0.05*
Health Sciences Residential Community	-2.17	2.05	-0.03
Honors	7.75	0.75	0.27**
Literacy Serve and Learn	1.39	1.48	0.02
Multicultural and Academic Initiatives	-3.36	3.45	-0.09
Partners in Context and Community	0.00	4.13	0.00
President's Leadership Academy	5.23	3.16	0.04
Springboard	-1.20	0.98	-0.03
UNIV 100	-2.34	0.70	-0.09**
University Program for Academic Success	-26.03	9.24	-0.07**

Fall 2002 Cohort

Academic Investment in Math and Science	2.17	2.80	0.02
Batchelder Music Community	4.80	1.51	0.09**
BG Experience	0.69	1.72	0.01
Chapman Learning Community	-5.18	2.45	-0.06*
Health Sciences Residential Community	1.97	1.99	0.03
Honors	7.91	0.74	0.30**
Literacy Serve and Learn	3.12	1.56	0.05*
Multicultural and Academic Initiatives	-2.68	3.72	-0.07
Partners in Context & Community	1.85	2.54	0.02
President's Leadership Academy	2.53	3.13	0.03
SMART	-4.57	1.95	-0.08*
Springboard	-0.29	1.11	-0.01
UNIV 100	-0.62	0.70	-0.03
University Program for Academic Success	-22.90	10.06	-0.07*

Fall 2003 Cohort

Academic Investment in Math and Science	-2.11	2.53	-0.02
Arts Village	0.16	1.86	0.00
BA 150	-1.35	1.06	-0.03
Batchelder Music Community	1.86	1.48	0.03
BG Experience	-0.28	0.96	-0.01
Chapman Learning Community	0.85	1.50	0.01
Health Sciences Residential Community	0.47	1.44	0.01
Honors	8.38	0.74	0.30**
Literacy Serve and Learn	1.55	1.29	0.03
Multicultural and Academic Initiatives	3.85	2.06	0.12
Partners in Context & Community	4.66	1.98	0.06*
President's Leadership Academy	4.59	2.67	0.05
SMART	-2.32	1.75	-0.04
Springboard	-0.84	1.15	-0.02
UNIV 100	-0.41	0.64	-0.02
UNIV 131	0.87	2.66	0.01
University Program for Academic Success	8.26	6.53	0.03

Fall 2004 Cohort

Academic Investment in Math and Science	2.50	2.67	0.02
Arts Village	1.30	2.00	0.02
BA 150	-1.67	0.93	-0.04
Batchelder Music Community	5.38	1.61	0.08**
BG Experience	0.13	0.56	0.01
Chapman Learning Community	-2.20	1.31	-0.04
Health Sciences Residential Community	-1.05	1.38	-0.02
Honors	6.94	0.68	0.25**
La Comunidad	-7.13	3.25	-0.05*
La Maison Française	-2.38	6.79	-0.01
Literacy Serve and Learn	0.33	1.19	0.01
Multicultural and Academic Initiatives	-0.15	2.16	0.00
Partners in Context & Community	5.19	2.03	0.06**
President's Leadership Academy	1.43	2.51	0.01
SMART	-2.27	1.59	-0.04
Springboard	-1.63	1.06	-0.04
UNIV 100	-1.80	0.63	-0.07**
UNIV 131	1.95	1.55	0.03
University Program for Academic Success	-12.87	9.69	-0.03

Note. Fall 1997 Cohort: $R^2 = .13$ ($N = 811$, $p = .05$).

Note. Fall 1998 Cohort: $R^2 = .11$ ($N = 1,354$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .07$ ($N = 1,272$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .08$ ($N = 1,252$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .14$ ($N = 1,342$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .12$ ($N = 1,229$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .14$ ($N = 1,345$, $p < .01$).

Note. Fall 2004 Cohort: $R^2 = .13$ ($N = 1,559$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$

Table 55

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Third Academic Year Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	2.64	2.26	0.04
Chapman Learning Community	1.20	2.97	0.02
Honors	10.28	1.15	0.31**
Multicultural and Academic Initiatives	2.71	4.07	0.04
Springboard	2.32	7.41	0.01
UNIV 100	-2.54	1.23	-0.07*
<u>Fall 1998 Cohort</u>			
BG Effect	-1.27	3.94	-0.01
Chapman Learning Community	4.78	2.31	0.06*
Health Sciences Residential Community	-1.35	2.02	-0.02
Honors	8.12	0.90	0.25**
Multicultural and Academic Initiatives	3.61	3.19	0.06
President's Leadership Academy	-4.37	4.19	-0.03
Springboard	-0.37	1.36	-0.01
UNIV 100	-0.07	0.98	-0.00
<u>Fall 1999 Cohort</u>			
BG Effect	-0.01	6.49	0.00
Chapman Learning Community	3.28	2.96	0.03
Health Sciences Residential Community	-6.25	4.54	-0.04
Honors	11.38	1.98	0.16**
Literacy Serve and Learn	6.56	2.73	0.07*
Multicultural and Academic Initiatives	4.46	9.78	0.04
President's Leadership Academy	9.15	6.38	0.04
Springboard	-4.34	2.98	-0.04
UNIV 100	-3.56	2.05	-0.05
<u>Fall 2000 Cohort</u>			
BG Effect	1.44	4.14	0.01
Chapman Learning Community	-1.51	1.83	-0.02
Health Sciences Residential Community	-3.70	3.11	-0.03
Honors	8.64	1.03	0.24**
Literacy Serve and Learn	1.90	1.96	0.03
Multicultural and Academic Initiatives	-0.09	2.94	0.00
President's Leadership Academy	0.53	3.75	0.00
Springboard	1.06	1.52	0.02
UNIV 100	0.75	1.06	0.02
University Program for Academic Success	-16.74	7.60	-0.06*

Fall 2001 Cohort

Academic Investment in Math and Science	-14.76	5.01	-0.08**
Batchelder Music Community	9.53	1.80	0.14**
BG Effect	-0.75	4.97	0.00
Chapman Learning Community	3.11	1.78	0.05
Health Sciences Residential Community	-5.66	2.68	-0.06*
Honors	8.88	0.99	0.24**
Literacy Serve and Learn	0.47	1.93	0.01
Multicultural and Academic Initiatives	-6.01	4.79	-0.12
Partners in Context and Community	6.23	6.01	0.03
President's Leadership Academy	4.35	4.37	0.03
Springboard	-1.66	1.34	-0.03
UNIV 100	-1.69	0.94	-0.05
University Program for Academic Success	-31.33	12.05	-0.07**

Fall 2002 Cohort

Academic Investment in Math and Science	6.22	3.74	0.05
Batchelder Music Community	11.44	2.09	0.15**
BG Experience	0.61	2.34	0.01
Chapman Learning Community	-7.90	3.38	-0.07*
Health Sciences Residential Community	-0.44	2.71	0.00
Honors	8.83	1.00	0.25**
Literacy Serve and Learn	4.58	2.11	0.06*
Multicultural and Academic Initiatives	0.70	4.98	0.01
Partners in Context & Community	6.50	3.51	0.05
President's Leadership Academy	2.71	4.31	0.02
SMART	-3.80	2.77	-0.05
Springboard	0.55	1.52	0.01
UNIV 100	0.30	0.96	0.01
University Program for Academic Success	-24.77	13.40	-0.06

Fall 2003 Cohort

Academic Investment in Math and Science	3.47	3.58	0.03
Arts Village	-0.06	2.65	0.00
BA 150	-2.06	1.53	-0.04
Batchelder Music Community	8.22	2.22	0.10**
BG Connections	-0.85	2.12	-0.01
BG Experience	0.09	1.34	0.00
Chapman Learning Community	1.68	2.12	0.02
Health Sciences Residential Community	-0.41	2.06	-0.01
Honors	10.01	1.04	0.26**
Literacy Serve and Learn	4.73	1.80	0.07**
Multicultural and Academic Initiatives	8.49	2.83	0.18**
Partners in Context & Community	6.07	2.77	0.06*
President's Leadership Academy	3.21	3.77	0.02
SMART	-6.05	2.48	-0.08*
Springboard	0.64	1.62	0.01
UNIV 100	0.24	0.90	0.01
UNIV 131	4.53	3.79	0.03
University Program for Academic Success	10.31	8.90	0.03

Note. Fall 1997 Cohort: $R^2 = .12$ ($N = 770$, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .08$ ($N = 1,274$, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .05$ ($N = 1,341$, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .09$ ($N = 1,177$, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .15$ ($N = 1,269$, $p < .01$).

Note. Fall 2002 Cohort: $R^2 = .11$ ($N = 1,160$, $p < .01$).

Note. Fall 2003 Cohort: $R^2 = .15$ ($N = 1,253$, $p < .01$).

* $p \leq .05$. ** $p \leq .01$.

Table 65

Summary of Regression Analysis Predicting Cumulative Student Credit Hours Earned at the End of the Fourth Academic Year After Controlling for Gender and Race and Examining the Interaction of Program Participation and High School GPA

Predictor	<u>B</u>	<u>SE</u>	<u>Beta</u>
<u>Fall 1997 Cohort</u>			
BG Effect	5.14	2.93	0.06
Chapman Learning Community	3.29	3.60	0.04
Honors	9.67	1.54	0.23**
Multicultural and Academic Initiatives	3.23	5.37	0.03
Springboard	3.30	9.22	0.01
UNIV 100	-2.98	1.55	-0.07
<u>Fall 1998 Cohort</u>			
BG Effect	0.11	5.37	0.00
Chapman Learning Community	2.66	2.82	0.03
Health Sciences Residential Community	-3.26	2.47	-0.04
Honors	6.19	1.14	0.16**
Multicultural and Academic Initiatives	4.82	3.88	0.07
President's Leadership Academy	-4.26	5.06	-0.03
Springboard	-1.05	1.67	-0.02
UNIV 100	-0.29	1.19	-0.01
<u>Fall 1999 Cohort</u>			
BG Effect	0.21	3.74	0.00
Chapman Learning Community	0.16	1.72	0.00
Health Sciences Residential Community	-1.66	2.70	-0.02
Honors	4.96	1.13	0.13**
Literacy Serve and Learn	5.33	1.60	0.10**
Multicultural and Academic Initiatives	1.28	6.16	0.02
President's Leadership Academy	-4.26	3.59	-0.04
Springboard	1.18	1.83	0.02
UNIV 100	-1.53	1.22	-0.04
<u>Fall 2000 Cohort</u>			
BG Effect	-1.29	5.78	-0.01
Chapman Learning Community	-3.07	2.41	-0.04
Health Sciences Residential Community	-0.42	3.89	0.00
Honors	7.38	1.34	0.17**
Literacy Serve and Learn	2.26	2.65	0.03
Multicultural and Academic Initiatives	0.48	3.90	0.01
President's Leadership Academy	0.79	4.71	0.01
Springboard	0.54	2.02	0.01
UNIV 100	1.24	1.37	0.03
University Program for Academic Success	-11.61	9.52	-0.04

Fall 2001 Cohort

Academic Investment in Math and Science	-7.42	6.67	-0.03
Batchelder Music Community	15.84	2.26	0.19**
BG Effect	2.63	6.03	0.01
Chapman Learning Community	4.74	2.28	0.06*
Health Sciences Residential Community	-8.08	3.52	-0.06*
Honors	7.30	1.28	0.16**
Literacy Serve and Learn	2.24	2.36	0.03
Multicultural and Academic Initiatives	-4.40	5.90	-0.07
Partners in Context and Community	4.15	7.31	0.02
President's Leadership Academy	5.18	5.02	0.03
Springboard	0.38	1.66	0.01
UNIV 100	-1.20	1.17	-0.03
University Program for Academic Success	-38.25	14.65	-0.07**

Note. Fall 1997 Cohort: $R^2 = .08$ (N = 714, $p < .01$).

Note. Fall 1998 Cohort: $R^2 = .05$ (N = 1,195, $p < .01$).

Note. Fall 1999 Cohort: $R^2 = .07$ (N = 1,095, $p < .01$).

Note. Fall 2000 Cohort: $R^2 = .06$ (N = 1,087, $p < .01$).

Note. Fall 2001 Cohort: $R^2 = .14$ (N = 1,171, $p < .01$).

* $p < .05$. ** $p < .01$.