The Influence of Matriculation Services at Santa Ana College on Student Success Fall 2000 to Fall 2006 Cohorts

June 2007

## Background

Matriculation services are offered to incoming freshmen students. Many of these services are provided at orientation when students are provided placement testing, advisement, and counseling; a Needs Assessment Form is one of the products of this activity. As part of a continuing effort to measure the impact these services have on student success at Santa Ana College (SAC), characteristics and demographics of student cohorts who received matriculation services (Fall 2000 through Fall 2006) were analyzed in comparison to non-matriculation students entering SAC at the same time (students who did not use matriculation services). Those data include high school origins, demographics, initial English and math course enrollment, persistence to subsequent semesters, academic performance, AA/AS degree and certificates earned, and transfer to a university.

## Summary of Findings

Overall, students in the cohorts who received matriculation services (based upon having a completed needs assessment form) were more frequently students who plan to pursue a BA/BS degree and/or AA/AS degree, attend college full-time (12+ units), and younger (18-21 years of age) than the non-matriculant cohort students.
> Matriculants persist to subsequent semesters at rates typically ten percentage points higher than non-matriculants.
$>$ Matriculants completed more units per semester than non-matriculants.
> More matriculants took an English/ESL/EMLS and/or math course during their initial semester at SAC than non-matriculants.
$>$ Non-matriculant students in recent cohorts have had higher first-semester GPAs than matriculants.
> Matriculants earned AA/AS degrees and certificates more frequently than nonmatriculants.
> Non-matriculants more frequently transfer to a university during the first several semesters than matriculants, but by the eighth semester matriculants have more frequently transferred more frequently than non-matriculants.

## Student Demographics and Characteristics

$>$ A high number of freshmen are using matriculation services (1,509 in Fall 2006 vs. 1,101 in Fall 2000).
> Matriculated students are more likely to be 21 years of age or younger, have an educational goal of earning an AA/AS and/or transferring, be full-time, and attend classes mainly during the day.
> Non-Matriculated students are more likely to be over 21 years of age, have an educational goal related to employment or career and/or to obtain an AA degree/transfer.
> Many freshmen are "undecided" of their educational goal when they enter SAC ( $18 \%$ to 29\%).

## Matriculant and Non-Matriculant Student Characteristics <br> Fall 2000 through Fall 2006 <br> First-Time Freshmen Cohorts

| Student Characteristic | Fall 2000 |  | Fall 2002 |  | Fall 2004 |  | Fall 2006 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Matric. | NonMatric. | Matric. | NonMatric. | Matric. | NonMatric. | Matric. | NonMatric. |
|  | $\mathrm{n}=1101$ | n=2383 | $\mathrm{n}=1365$ | $\mathrm{n}=2267$ | $\mathrm{n}=1521$ | $\mathrm{n}=1586$ | $\mathrm{n}=1509$ | $\mathrm{n}=2021$ |
| Ethnicity |  |  |  |  |  |  |  |  |
| African-American | 2\% | 3\% | 1\% | 3\% | 1\% | 4\% | 1\% | 4\% |
| Asian/Pacific Islander | 20\% | 14\% | 10\% | 10\% | 11\% | 10\% | 11\% | 10\% |
| Latino | 57\% | 56\% | 74\% | 59\% | 74\% | 55\% | 76\% | 50\% |
| White | 16\% | 20\% | 10\% | 22\% | 10\% | 24\% | 9\% | 26\% |
| Other | 4\% | 3\% | 2\% | 3\% | 2\% | 3\% | 2\% | 5\% |
| Decline to state | 2\% | 4\% | 1\% | 4\% | 2\% | 4\% | 1\% | 5\% |
| Age Group |  |  |  |  |  |  |  |  |
| 17 and under | 16\% | 14\% | 15\% | 24\% | 19\% | 21\% | 19\% | 20\% |
| 18-21 | 61\% | 39\% | 66\% | 38\% | 70\% | 41\% | 71\% | 36\% |
| 22-29 | 12\% | 17\% | 10\% | 15\% | 5\% | 15\% | 6\% | 13\% |
| 30-39 | 7\% | 14\% | 6\% | 12\% | 3\% | 12\% | 3\% | 14\% |
| 40-49 | 3\% | 10\% | 2\% | 8\% | 2\% | 7\% | 1\% | 10\% |
| 50 and over | 1\% | 7\% | 1\% | 4\% | 0\% | 4\% | 0\% | 6\% |
| Gender |  |  |  |  |  |  |  |  |
| Female | 50\% | 49\% | 53\% | 49\% | 53\% | 45\% | 52\% | 41\% |
| Male | 50\% | 51\% | 47\% | 51\% | 47\% | 55\% | 48\% | 59\% |
| Educational Goal |  |  |  |  |  |  |  |  |
| AA and/or Transfer | 49\% | 32\% | 50\% | 35\% | 52\% | 37\% | 58\% | 31\% |
| Vocational Certificate | 5\% | 8\% | 5\% | 5\% | 4\% | 4\% | 7\% | 6\% |
| Employment or Career | 14\% | 23\% | 11\% | 24\% | 12\% | 29\% | 11\% | 32\% |
| Personal Development | 1\% | 6\% | 2\% | 7\% | 1\% | 6\% | 1\% | 9\% |
| Basic Skills or HS Completion | 7\% | 7\% | 5\% | 5\% | 2\% | 4\% | 3\% | 4\% |
| Undecided or Unknown | 24\% | 24\% | 27\% | 24\% | 29\% | 20\% | 20\% | 18\% |
| Full-Time/Part-Time Status |  |  |  |  |  |  |  |  |
| Full-Time (12+ units) | 29\% | 18\% | 30\% | 16\% | 37\% | 17\% | 28\% | 15\% |
| Part-Time (<12 units) | 71\% | 82\% | 70\% | 84\% | 63\% | 83\% | 72\% | 85\% |

Matriculant and Non-Matriculant Student Characteristics
Fall 2000 through Fall 2006
First-Time Freshmen Cohorts (continued)

| Student Characteristic | Fall 2000 |  | Fall 2002 |  | Fall 2004 |  | Fall 2006 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Matric. | NonMatric. | Matric. | NonMatric. | Matric. | NonMatric. | Matric. | NonMatric. |
|  | n=1101 | n=2383 | N=1365 | n=2267 | n=1521 | $\mathrm{n}=1586$ | n=1509 | n=2021 |
| Citizenship |  |  |  |  |  |  |  |  |
| U.S. Citizen | 63\% | 74\% | 55\% | 72\% | 62\% | 80\% | 62\% | 82\% |
| Permanent Resident | 19\% | 15\% | 17\% | 12\% | 14\% | 9\% | 14\% | 8\% |
| Visa | 8\% | 3\% | 5\% | 2\% | 3\% | 2\% | 5\% | 3\% |
| Other Status | 10\% | 8\% | 23\% | 14\% | 21\% | 9\% | 19\% | 7\% |
| Day/Night Status |  |  |  |  |  |  |  |  |
| Day | 62\% | 67\% | 64\% | 67\% | 65\% | 65\% | 64\% | 72\% |
| Night | 6\% | 12\% | 9\% | 14\% | 9\% | 13\% | 2\% | 11\% |
| Both | 32\% | 21\% | 27\% | 18\% | 26\% | 22\% | 34\% | 17\% |
| High School of Origin |  |  |  |  |  |  |  |  |
| Century | 6\% | 3\% | 5\% | 3\% | 10\% | 2\% | 10\% | 1\% |
| Cesar Chavez | 0\% | 0\% | 1\% | 1\% | 2\% | 0\% | 1\% | 0\% |
| Garden Grove | 3\% | 1\% | 2\% | 2\% | 2\% | 1\% | 2\% | 1\% |
| Hare/Lake | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |
| Mater Dei | 1\% | 1\% | 0\% | 0\% | 1\% | 1\% | 0\% | 0\% |
| Middle College | 1\% | 4\% | 0\% | 4\% | 0\% | 5\% | 0\% | 5\% |
| Mountain View | 1\% | 1\% | 2\% | 1\% | 2\% | 1\% | 3\% | 0\% |
| OC High School of the Arts | 0\% | 0\% | 0\% | 5\% | 0\% | 0\% | 0\% | 0\% |
| Saddleback | 4\% | 6\% | 8\% | 4\% | 8\% | 3\% | 9\% | 4\% |
| Santa Ana | 4\% | 7\% | 11\% | 10\% | 13\% | 5\% | 14\% | 6\% |
| Santiago | 4\% | 3\% | 6\% | 3\% | 5\% | 2\% | 5\% | 2\% |
| Valley | 7\% | 5\% | 7\% | 5\% | 7\% | 5\% | 4\% | 6\% |
| Other High School of Origin | 69\% | 69\% | 57\% | 63\% | 50\% | 73\% | 50\% | 73\% |

## Initial English/ESL/EMLS Enrollment at SAC

$>6 \%$ to $15 \%$ of matriculants and $3 \%$ to $7 \%$ of non-matriculants enroll in Freshmen Composition or higher in their first semester.
$>43 \%$ to $65 \%$ of matriculants took an English/ESL/EMLS sequence course during their initial semester at SAC, versus $21 \%$ to $33 \%$ of non-matriculants.
> Supplemental English/ESL/EMLS, the Tutoring Center and the ESL lab are used by a higher proportion of matriculants than non-matriculants.
> More matriculants are enrolling in English/ESL/EMLS courses in their first semester than prior cohorts (57\% in Fall 2006 vs. 43\% in Fall 2000); it is the reverse for nonmatriculants.

Initial English/ESL/EMLS Course Enrollment of Matriculants and Non-Matriculants Fall 2000 through Fall 2006

| Subject | Fall 2000 |  | Fall 2002 |  | Fall 2004 |  | Fall 2006 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Matric. | NonMatric. | Matric. | NonMatric. | Matric. | NonMatric. | Matric. | NonMatric. |
|  | n=1101 | n=2383 | n=1365 | n=2267 | n=1521 | n=1586 | n=1509 | n=2021 |
| English/ESL/EMLS Sequence Courses |  |  |  |  |  |  |  |  |
| ENGL 101 Freshmen Comp or above | 6\% | 3\% | 10\% | 7\% | 15\% | 6\% | 13\% | 7\% |
| ENGL 061 Introduction to Comp. | 6\% | 5\% | 11\% | 5\% | 18\% | 6\% | 15\% | 6\% |
| ENGL N60 Basics of Effective Writing | 12\% | 8\% | 11\% | 5\% | 13\% | 3\% | 12\% | 3\% |
| ENGL N50 Intro to Written Comm. | 5\% | 3\% | 4\% | 2\% | 6\% | 2\% | 5\% | 1\% |
| EMLS/ESL 112 ESL Adv Comp. | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |
| EMLS/ESL 110 Intro to the Essay | 1\% | 1\% | 1\% | 0\% | 1\% | 1\% | 1\% | 0\% |
| EMLS/ESL 109 Writing 3/Grammar IV | 2\% | 2\% | 1\% | 1\% | 2\% | 1\% | 2\% | 1\% |
| EMLS/ESL 107 Writing 2/Grammar III | 2\% | 3\% | 4\% | 1\% | 3\% | 1\% | 3\% | 1\% |
| EMLS/ESL 055 Writing 1/Grammar II | 3\% | 3\% | 4\% | 2\% | 3\% | 1\% | 2\% | 1\% |
| ESL N49 Grammar I | 2\% | 3\% | 4\% | 1\% | 2\% | 0\% | 2\% | 0\% |
| ESL N40 Intro to Academic ESL | 4\% | 2\% | 2\% | 1\% | 2\% | 1\% | 2\% | 1\% |
| TOTAL ENROLLED IN SEQUENCE | 43\% | 33\% | 52\% | 25\% | 65\% | 22\% | 57\% | 21\% |
| Supplemental English/ESL/EMLS |  |  |  |  |  |  |  |  |
| ENGL 062 Writing Center | 3\% | 2\% | 10\% | 5\% | 10\% | 2\% | 5\% | 2\% |
| ENGL 071 Building Bridges Literature | 1\% | 0\% | 1\% | 0\% | 1\% | 0\% | 0\% | 0\% |
| ENGL N59 Vocabulary Building | 1\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |
| ENGL N58 Spelling for Adults | 1\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |
| ESL 089 Two Word Verbs and Idioms | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |
| ESL 088 Verb Tenses | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |
| ESL N09 ESL Lab | 8\% | 7\% | 3\% | 2\% | 4\% | 1\% | 8\% | 3\% |
| STDY N95 Tutoring Center | 4\% | 3\% | 4\% | 3\% | 2\% | 2\% | 3\% | 2\% |

## Initial Math Enrollment at SAC

> Math 080 Intermediate Algebra is the most frequently taken course for both matriculants and non-matriculants during their initial semester at SAC.
> The second, third and fourth most frequently taken math courses are below Math 080.
> Matriculants are more likely to take a math course during their first semester at SAC ( $40 \%$ to $77 \%$ ) than non-matriculants ( $26 \%$ to $37 \%$ ).
$>$ Few freshmen take advantage of supplemental math courses intended to increase success in the primary course they are taking.

Initial Math Course Enrollment of Matriculants and Non-Matriculants
Fall 2000 through Fall 2006
First-Time Freshmen Cohorts

| Subject | Fall 2000 |  | Fall 2002 |  | Fall 2004 |  | Fall 2006 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Matric. | NonMatric. | Matric. | NonMatric. | Matric. | NonMatric. | Matric. | NonMatric. |
|  | n=1101 | n=2383 | $\mathrm{n}=1365$ | n=2267 | n=1521 | n=1586 | n=1509 | n=2021 |
| Math Sequence Courses |  |  |  |  |  |  |  |  |
| MATH 180 Calculus (and higher) | 2\% | 1\% | 1\% | 1\% | 2\% | 2\% | 3\% | 1\% |
| MATH 170 Pre-Calculus | 1\% | 1\% | 1\% | 3\% | 1\% | 0\% | 2\% | 1\% |
| MATH 160 Trigonometry | 1\% | 0\% | 1\% | 1\% | 2\% | 1\% | 2\% | 1\% |
| MATH 150 Calculus | 0\% | 0\% | 1\% | 0\% | 1\% | 0\% | 1\% | 0\% |
| MATH 140 College Algebra | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |
| MATH 105 Math for Liberal Arts | 2\% | 2\% | 4\% | 1\% | 3\% | 1\% | 2\% | 1\% |
| MATH 080 Intermediate Algebra | 12\% | 13\% | 19\% | 12\% | 25\% | 13\% | 20\% | 11\% |
| MATH 070 Geometry | 5\% | 4\% | 8\% | 5\% | 12\% | 3\% | 10\% | 4\% |
| MATH 060 Elementary Algebra | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |
| MATH N48 Pre-Algebra | 9\% | 8\% | 12\% | 10\% | 18\% | 5\% | 15\% | 5\% |
| MATH N05/N06 | 8\% | 7\% | 11\% | 4\% | 13\% | 3\% | 11\% | 2\% |
| TOTAL ENROLLED IN SEQUENCE | 40\% | 36\% | 58\% | 37\% | 77\% | 28\% | 66\% | 26\% |
| Supplemental Math |  |  |  |  |  |  |  |  |
| MATH 098 Algebra Discussion | 0\% | 0\% | 0\% | 0\% | 2\% | 0\% | 2\% | 1\% |
| MATH 030 Math Anxiety | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |
| MATH N85 Review | 1\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% |

## Persistence

> Matriculated first-time freshmen students persist to a second semester at rates of $63 \%$ to $72 \%$, versus $50 \%$ to $60 \%$ for non-matriculant first-time freshmen at SAC.
$>$ Persistence to the third through eighth semesters is also higher for matriculants than nonmatriculants.

## Matriculants and Non-Matriculants Persistence to Subsequent Semesters Fall 2000 through Fall 2005

First-Time Freshmen Cohorts

| Cohort |  | n | Persistence to Subsequent Semester |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th |
| Fall 2000 | Matriculant |  | 1,101 | 67\% | 56\% | 53\% | 42\% | 38\% | 29\% | 24\% |
|  | Non-Matriculant | 2,383 | 53\% | 40\% | 36\% | 28\% | 26\% | 18\% | 17\% |
| Fall 2001 | Matriculant | 1,170 | 70\% | 59\% | 51\% | 39\% | 36\% | 26\% | 25\% |
|  | Non-Matriculant | 2,705 | 51\% | 38\% | 33\% | 25\% | 22\% | 17\% | 14\% |
| Fall 2002 | Matriculant | 1,365 | 69\% | 55\% | 49\% | 40\% | 36\% | 25\% | 23\% |
|  | Non-Matriculant | 2,267 | 52\% | 35\% | 31\% | 26\% | 22\% | 17\% | 15\% |
| Fall 2003 | Matriculant | 1,354 | 72\% | 55\% | 48\% | 37\% | 34\% | 23\% |  |
|  | Non-Matriculant | 1,738 | 60\% | 46\% | 40\% | 33\% | 29\% | 20\% |  |
| Fall 2004 | Matriculant | 1,521 | 71\% | 54\% | 50\% | 36\% |  |  |  |
|  | Non-Matriculant | 1,586 | 50\% | 35\% | 32\% | 26\% |  |  |  |
| Fall 2005 | Matriculant | 1,479 | 63\% | 47\% |  |  |  |  |  |
|  | Non-Matriculant | 1,819 | 50\% | 36\% |  |  |  |  |  |

## Academic Performance

> Matriculants complete more units than non-matriculants for all cohorts in all semesters.

Average Semester Units Completed by Matriculants vs. Non-Matriculants
Fall 2001 through Fall 2006
First-Time Freshmen Cohorts

| Cohort |  | n | Semester of Enrollment at SAC |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th |
| Fall 2001 | Matriculant |  | 1,170 | 6.6 | 7.4 | 6.8 | 7.0 | 6.2 | 6.4 | 5.0 |
|  | Non-Matriculant | 2,705 | 4.1 | 5.7 | 5.5 | 6.2 | 5.2 | 5.2 | 4.1 |
| Fall 2002 | Matriculant | 1,365 | 6.6 | 6.9 | 6.3 | 6.5 | 5.7 | 5.6 | 4.8 |
|  | Non-Matriculant | 2,267 | 4.0 | 5.4 | 5.8 | 6.3 | 5.0 | 4.9 | 4.4 |
| Fall 2003 | Matriculant | 1,354 | 7.1 | 6.8 | 6.0 | 5.9 | 6.1 | 5.6 | 4.5 |
|  | Non-Matriculant | 1,738 | 5.1 | 5.9 | 5.9 | 5.8 | 5.8 | 5.1 | 4.5 |
| Fall 2004 | Matriculant | 1,521 | 7.2 | 6.6 | 6.5 | 6.1 | 5.6 |  |  |
|  | Non-Matriculant | 1,586 | 4.0 | 5.2 | 5.5 | 5.3 | 5.2 |  |  |
| Fall 2005 | Matriculant | 1,479 | 6.2 | 6.4 | 6.3 |  |  |  |  |
|  | Non-Matriculant | 1,819 | 3.6 | 5.1 | 4.9 |  |  |  |  |
| Fall 2006 | Matriculant | 1,509 | 6.1 |  |  |  |  |  |  |
|  | Non-Matriculant | 2,021 | 3.8 |  |  |  |  |  |  |

> Average matriculant and non-matriculant first-semester GPAs fell for every cohort from Fall 2001 and Fall 2004, though rebounded slightly for the Fall 2005 cohort.
> Generally, average cohort student GPAs generally rose following the first semester.

## Average Semester GPA of Matriculants vs. Non-Matriculants

Fall 2001 through Fall 2006
First-Time Freshmen Cohorts

| Cohort |  | n | Semester of Enrollment at SAC |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th |
| Fall 2001 | Matriculant |  | 1,170 | 2.51 | 2.41 | 2.32 | 2.48 | 2.35 | 2.45 | 2.47 |
|  | Non-Matriculant | 2,705 | 2.48 | 2.48 | 2.34 | 2.45 | 2.33 | 2.39 | 2.31 |
| Fall 2002 | Matriculant | 1,365 | 2.31 | 2.34 | 2.26 | 2.28 | 2.45 | 2.43 | 2.33 |
|  | Non-Matriculant | 2,267 | 2.36 | 2.54 | 2.42 | 2.49 | 2.34 | 2.44 | 2.30 |
| Fall 2003 | Matriculant | 1,354 | 2.29 | 2.22 | 2.23 | 2.31 | 2.44 | 2.50 | 2.60 |
|  | Non-Matriculant | 1,738 | 2.28 | 2.41 | 2.44 | 2.44 | 2.52 | 2.49 | 2.29 |
| Fall 2004 | Matriculant | 1,521 | 2.22 | 2.25 | 2.30 | 2.33 | 2.41 |  |  |
|  | Non-Matriculant | 1,586 | 2.20 | 2.31 | 2.45 | 2.57 | 2.58 |  |  |
| Fall 2005 | Matriculant | 1,479 | 2.13 | 2.31 | 2.41 |  |  |  |  |
|  | Non-Matriculant | 1,819 | 2.23 | 2.52 | 2.48 |  |  |  |  |
| Fall 2006 | Matriculant | 1,509 | 2.21 |  |  |  |  |  |  |
|  | Non-Matriculant | 2,021 | 2.41 |  |  |  |  |  |  |

## Degrees and Certificates Earned

$>$ Few students earned an AA/AS degree or a certificate by the end of their fourth semester.
$>10 \%$ of matriculants earned an AA/AS degree or certificate by the end of 12 semesters, compared to $4 \%$ of non-matriculants.

## Percent of Matriculants vs. Non-Matriculants Earning a Degree or Certificate Fall 2000 through Fall 2005 <br> First-Time Freshmen Cohorts

| Cohort |  | \% of Cohort Who Earned AA/AS/Certificate by |
| :---: | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |

$>$ There is no significant difference in the majors of cohort students who earned degrees; $68 \%$ of matriculant and $72 \%$ of non-matriculant students earned their AA/AS degree in Liberal Arts.

# Matriculants vs. Non-Matriculants <br> AA/AS Degrees Earned by Major 

Fall 2000 through Fall 2005
First-Time Freshmen Cohorts

| Major |  | Matriculants <br> $(\mathbf{n}=\mathbf{2 7 1 )}$ |  | Non-Matriculants <br> $(\mathbf{n}=228)$ |  |
| :--- | ---: | ---: | ---: | ---: | :---: |
|  |  | $\%$ | $\#$ | $\mathbf{\%}$ |  |
| Liberal Arts | 185 | $68 \%$ | 164 | $72 \%$ |  |
| Business Administration | 23 | $8 \%$ | 19 | $8 \%$ |  |
| Psychology | 9 | $3 \%$ | 6 | $3 \%$ |  |
| Other | 54 | $20 \%$ | 39 | $17 \%$ |  |

## Transfers to 4-Year Universities

$>$ Non-matriculants transfer at higher rates initially, and continue to have higher cumulative transfer rates through about the fourth semester.
> By the sixth semester, about the same percentage of matriculants and non-matriculants has transferred.
> Matriculants transfer at higher rates by the tenth semester (2 to 3 percentage points difference).

## Matriculant vs. Non-Matriculant Transfers to 4-Year Universities <br> Fall 2000 through Fall 2005 <br> First-Time Freshmen Cohorts

| Cohort |  |  | Percent of Cohort Students Who Transferred, by Semester from Initial Enrollment at SAC (cumulative from $2^{\text {nd }}$ through $10^{\text {th }}$ semester) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2nd | 4th | 6th | 8th | 10th |
| Fall 2000 | Matriculant | $\mathrm{n}=1,101$ | 0\% | 1\% | 4\% | 8\% | 11\% |
|  | Non-Matriculant | $\mathrm{n}=2,383$ | 1\% | 2\% | 4\% | 6\% | 8\% |
| Fall 2001 | Matriculant | $\mathrm{n}=1,170$ | 0\% | 1\% | 3\% | 7\% | 9\% |
|  | Non-Matriculant | $\mathrm{n}=2,705$ | 1\% | 2\% | 4\% | 6\% | 7\% |
| Fall 2002 | Matriculant | $\mathrm{n}=1,365$ | 0\% | 1\% | 2\% | 7\% |  |
|  | Non-Matriculant | $\mathrm{n}=2,267$ | 0\% | 2\% | 4\% | 7\% |  |
| Fall 2003 | Matriculant | $\mathrm{n}=1,354$ | 0\% | 1\% | 4\% |  |  |
|  | Non-Matriculant | $\mathrm{n}=1,738$ | 1\% | 1\% | 6\% |  |  |
| Fall 2004 | Matriculant | $\mathrm{n}=1,521$ | 0\% | 2\% |  |  |  |
|  | Non-Matriculant | $\mathrm{n}=1,586$ | 1\% | 2\% |  |  |  |
| Fall 2005 | Matriculant | $\mathrm{n}=1,479$ | 0\% |  |  |  |  |
|  | Non-Matriculant | $\mathrm{n}=1,819$ | 1\% |  |  |  |  |

