



DEVELOPMENTAL EDUCATION AND SUPPLEMENTAL ACADEMIC INSTRUCTION REPORT

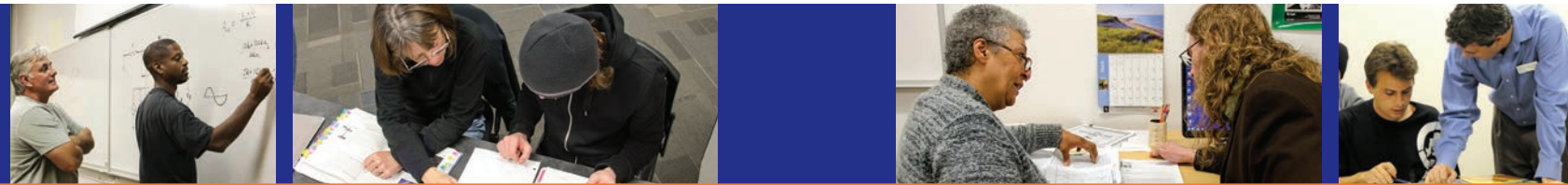
ACADEMIC YEAR 2011-2012



2011-2012



COLORADO COMMUNITY
COLLEGE SYSTEM



Developmental education (DE) courses are courses that are designed to bring students who have been identified as having academic deficiencies in reading, writing, and math up to grade level to participate in college level courses. This report details the rates of enrollment and associated descriptive statistics for students enrolled in developmental education courses in the Colorado Community College System for the 2011-2012 academic year, which covers the Summer 2011, Fall 2011, and Spring 2012 terms.

Readers of this report may be familiar with annual reports on remedial education published by the Colorado Department of Higher Education and the Colorado Commission on Higher Education, which examine limited cohorts of remedial students, generally focusing on recent high-school graduates¹. This report

has a broader scope, covering all students enrolling in developmental education at CCCS during the 2011-2012 academic year. This difference in methodology will allow the present report to more fully describe the state of DE in the Colorado Community College System, but does mean that the information presented here cannot be directly compared to CDHE/CCHE remedial reports.

This report is divided into three sections. The first, *“Enrollment in DE,”* shows enrollment counts for Developmental Education courses separated by college. *“Students in DE”* examines the characteristics of students who enrolled in DE courses in the 2011-2012 academic year. The final section, *“Academic Outcomes for Students in DE,”* contains summary information about key outcome indicators for students enrolled in DE courses during the 2011-2012 academic year.



Enrollment in DE

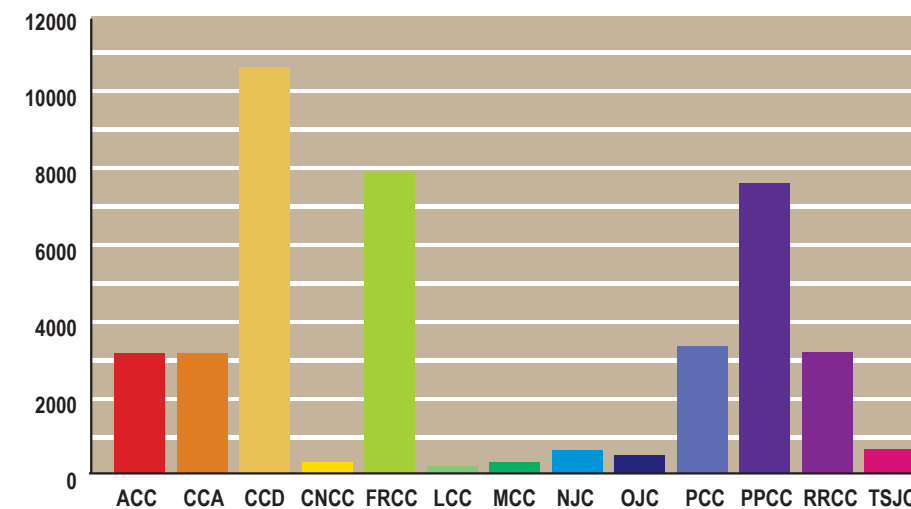
In the 2011-2012 academic year, 42,260 unique students were recorded as having enrolled in at least one DE course in the Student Unit Record Data System (SURDS). Records in the CCCS Operational Data Store (ODS), on the other hand, show 41,064 unique students as having been enrolled in at least one DE course during this period. While SURDS is considered the official record for many Colorado education statistics, the figures in this report use the numbers obtained from the ODS to facilitate analyses that make use of variables present in the ODS but not in SURDS.

A complete list of data sources can be found at the end of this report. The following tables describe enrollment counts for DE courses by term, institution, and course.

TABLE 1
Unique initial enrollment in DE courses by term

SUMMER 2011	FALL 2011	SPRING 2012	TOTAL UNIQUE ENROLLMENT ACROSS ALL TERMS
8,306	24,857	22,300	41,064

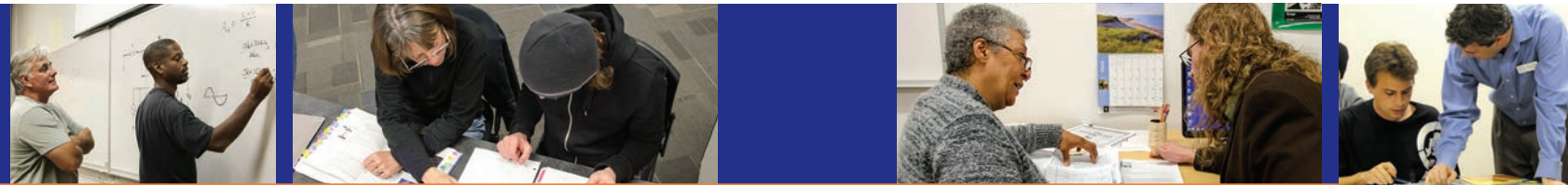
TABLE 2
Unique initial enrollment in DE courses, by institution²



INSTITUTION	UNIQUE DE STUDENTS INITIALLY ENROLLED	...AS A PERCENTAGE OF INSTITUTION HEADCOUNT
ACC	3,152	12.62%
CCA	3,132	19.85%
CCD	10,611	42.71%
CNCC	288	12.58%
FRCC	7,859	20.01%
LCC	179	13.18%
MCC	299	9.64%
NJC	614	17.66%
OJC	476	18.88%
PCC	3,323	23.35%
PPCC	7,575	27.60%
RRCC	3,177	17.32%
TSJC	634	19.84%
CCCS (TOTAL)	41,064	23.50%

¹ Colorado Department of Higher Education's reports and publications

² Unique students were identified at the institution level in all cases save the total unique headcount.



Students in DE

The following tables summarize characteristics of the 2011-2012 DE student population.

FIGURE 3
Student age ranges

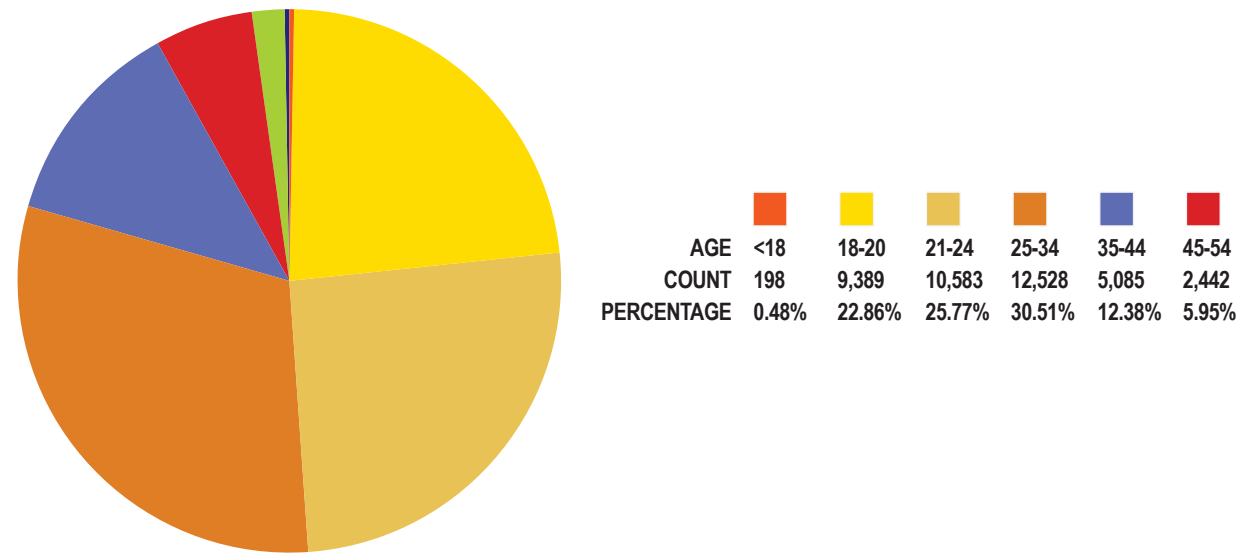


FIGURE 4
Student gender

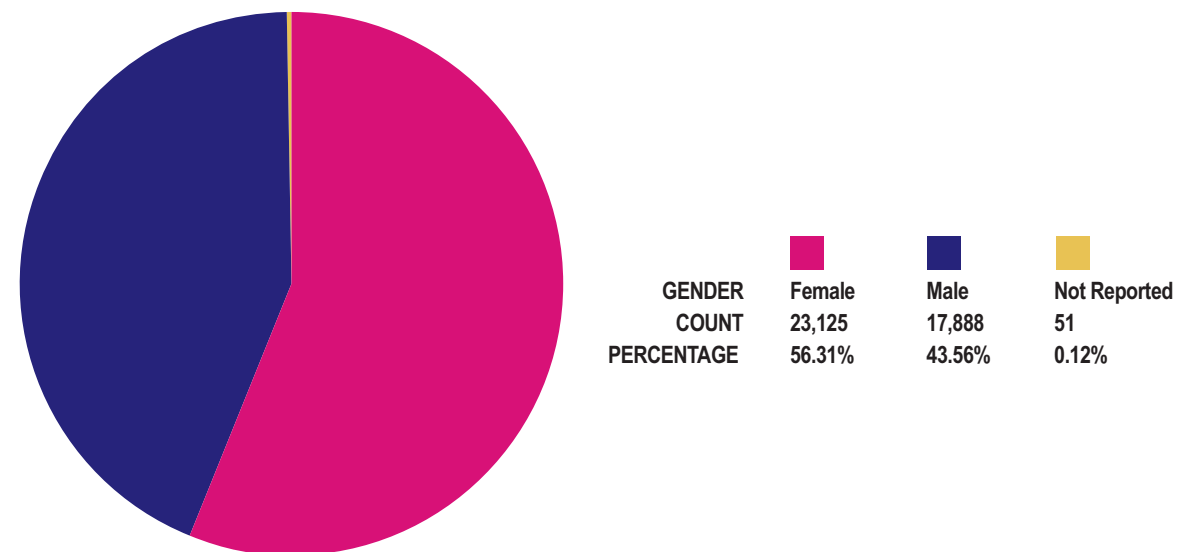


FIGURE 5
Student ethnicity

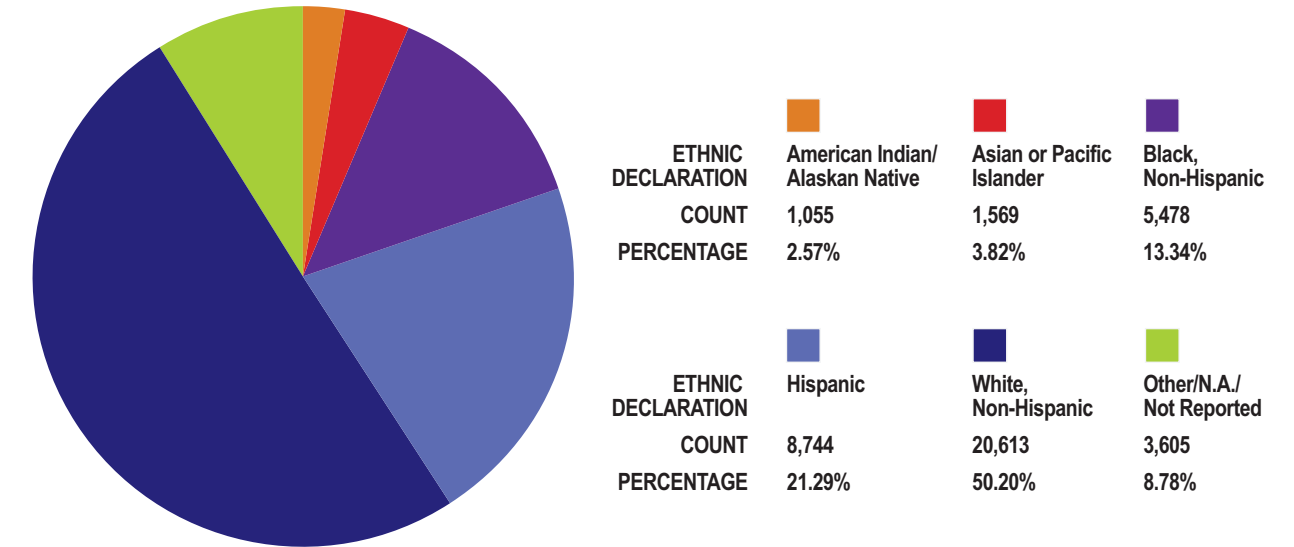
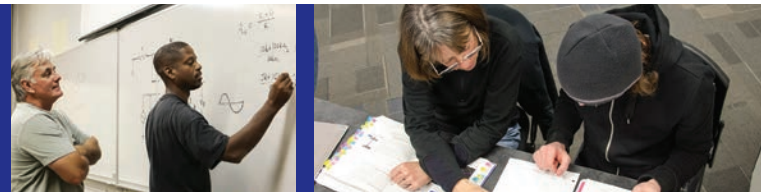


TABLE 6
Student population descriptions

	SUMMER 2011	FALL 2011	SPRING 2012
New Student	1,743	8,398	4,278
Transfer	458	1,801	1,708
Continuing Student	5,157	11,420	13,812
Re-Admit	600	1,599	1,553
Consortium Student (CCD Only) [†]	604	2,096	1,768
Other Student Population/Not Reported	20	367	193

[†] Consortium students are students from Metropolitan State University of Denver who take their remedial coursework at the Community College of Denver



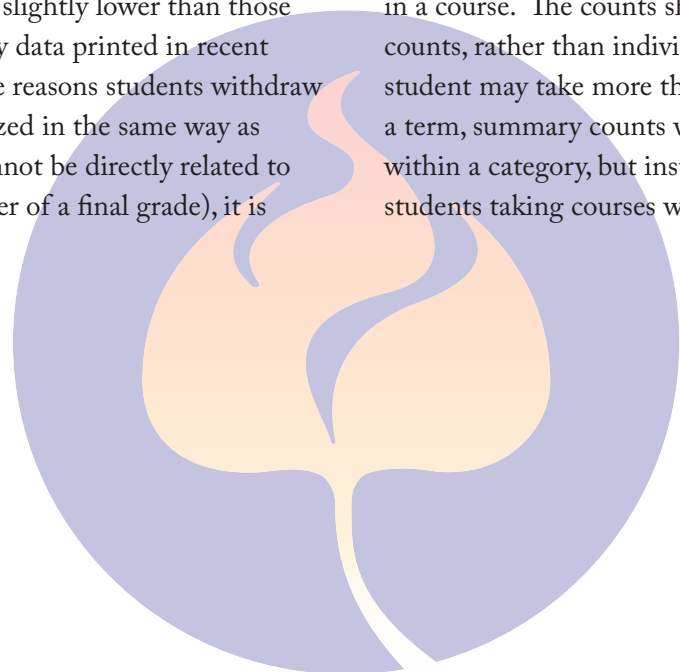
Academic Outcomes for Students in DE

In this report, the success of students enrolled in DE courses has been measured using several outcome metrics, including: success in DE courses, completion of college-level courses following success in a related DE course, and completion of degrees and certificates. The tables on the following pages describe these outcomes.

The DE course completion rates shown in the following tables use initial enrollments (as opposed to only course completions) as denominators. For this reason, passage rates shown in this report are slightly lower than those shown in the annual summary data printed in recent CCCS Fact Books. While the reasons students withdraw from courses cannot be analyzed in the same way as final grades (a withdrawal cannot be directly related to discipline ability in the manner of a final grade), it is

important to recognize the effect of this phenomenon. In aggregate, 67.9% of students initially enrolled passed at least one course, while 74.3% of those receiving final grades (as opposed to withdrawals or incompletes) had at least one passing grade of A, B, C, or “Satisfactory”.

In the following tables, the passage rates for developmental courses, and data regarding subsequent college-level course completion are presented. In all cases, course completion is defined as receiving a grade of A, B, C, or “Satisfactory” in a course. The counts shown represent unique student counts, rather than individual enrollment records. As a student may take more than one developmental course in a term, summary counts will not be the sum of all counts within a category, but instead reflect the number of unique students taking courses within that category.



COURSE COMPLETION OUTCOMES³

TABLE 7

Course-level outcomes for students enrolled in DE reading and writing courses

Course	SUMMER 2011			FALL 2011			SPRING 2012		
	STUDENTS... Initially Enrolled	Receiving Final Grade	Successfully Completing	Initially Enrolled	Receiving Final Grade	Successfully Completing	Initially Enrolled	Receiving Final Grade	Successfully Completing
ENG 030	139	131 (94.24%)	94 (67.63%)	581	515 (88.64%)	360 (61.96%)	387	336 (86.82%)	195 (50.39%)
ENG 060	692	64 (9.25%)	281 (40.61%)	2,563	2,261 (88.22%)	1,566 (61.10%)	1,986	1,748 (88.02%)	1,175 (59.16%)
ENG 090	1,982	1,770 (89.30%)	1,285 (64.83%)	6,452	5,711 (88.52%)	3,962 (61.41%)	5,381	4,676 (86.90%)	3,177 (59.04%)
REA 030	82	75 (91.46%)	52 (63.41%)	586	527 (89.93%)	381 (65.02%)	323	284 (87.93%)	172 (53.25%)
REA 060	373	336 (90.08%)	246 (65.95%)	1,680	1,478 (87.98%)	1,111 (66.13%)	1,331	1,172 (88.05%)	844 (63.41%)
REA 090	883	792 (89.69%)	555 (62.85%)	3,105	2,718 (87.54%)	1,928 (62.09%)	2,500	2,176 (87.04%)	1,515 (60.60%)
Other English or Reading (ENG 075)	-	-	-	29	27 (93.10%)	21 (72.41%)	14	5 (35.71%)	9 (64.29%)
ALL READING/WRITING	3,412	3,083 (90.36%)	2,231 (65.39%)	11,144	9,986 (89.61%)	7,218 (64.77%)	9,034	8,001 (88.57%)	5,579 (61.76%)

TABLE 8

Successful completion of a college-level English course (ENG 121) within one year of DE course completion

DE Course	Successful DE course completers (all terms)	WITHIN ONE YEAR			WITHIN THREE YEARS		
		Number of completers enrolled in ENG 121	...received a final grade	...successfully completed	Number of completers enrolled in ENG 121	...received a final grade	...successfully completed
ENG 030	427	63 (14.75%)	49 (11.48%)	43 (10.07%)	186 (43.56%)	163 (38.17%)	145 (33.96%)
ENG 060	3,143	994 (31.63%)	878 (27.94%)	712 (22.65%)	1,439 (45.78%)	1,313 (41.78%)	1,104 (35.13%)
ENG 090	8,419	5,292 (62.86%)	4,775 (56.72%)	3,989 (47.38%)	5,806 (68.96%)	5,320 (63.19%)	4,557 (54.13%)
REA 030	602	85 (14.12%)	71 (11.79%)	57 (9.47%)	203 (33.72%)	180 (29.90%)	154 (25.58%)
REA 060	2,193	794 (36.21%)	672 (30.64%)	538 (24.53%)	1,051 (47.93%)	936 (42.68%)	774 (35.29%)
REA 090	3,996	2,148 (53.75%)	1,850 (46.30%)	1,566 (39.19%)	2,462 (61.61%)	2,173 (54.38%)	1,887 (47.22%)
Other English or Reading (ENG 075)	26	22 (84.62%)	20 (76.92%)	15 (57.69%)	23 (88.46%)	20 (76.92%)	16 (61.54%)
ALL READING/WRITING	12,989	6,376 (49.09%)	5,629 (43.34%)	4,688 (36.09%)	7,370 (56.74%)	6,614 (50.92%)	5,645 (43.46%)

³ Cases in which students enrolled in an outcome course prior to enrolling in DE courses were excluded from this analysis. Simultaneous enrollments, however, were retained.

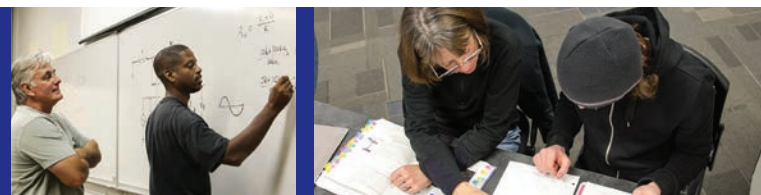


TABLE 9

Successful completion of college-level course listed in the *gtPathways Program* within one and three years of DE course completion⁴

DE Course	Successful DE course completers (all terms)	WITHIN ONE YEAR			WITHIN THREE YEARS		
		Number of completers enrolled in ENG 121	...received a final grade	...successfully completed	Number of completers enrolled in ENG 121	...received a final grade	...successfully completed
ENG 030	427	180 (42.15%)	132 (30.91%)	99 (23.19%)	282 (66.04%)	236 (55.27%)	188 (44.03%)
ENG 060	3,143	1,683 (53.55%)	1,431 (45.53%)	1,162 (36.97%)	2,002 (63.70%)	1,778 (56.57%)	1,482 (47.15%)
ENG 090	8,419	6,644 (78.92%)	6,006 (71.34%)	5,221 (62.01%)	6,945 (82.49%)	6,382 (75.80%)	5,627 (66.84%)
REA 030	602	170 (28.24%)	139 (23.09%)	108 (17.94%)	276 (45.85%)	243 (40.37%)	201 (33.39%)
REA 060	2,193	1,133 (51.66%)	972 (44.32%)	783 (35.70%)	1,342 (61.19%)	1,200 (54.72%)	979 (44.64%)
REA 090	3,996	2,800 (70.07%)	2,486 (62.21%)	2,146 (53.70%)	3,012 (75.38%)	2,740 (68.57%)	2,386 (59.71%)
Other English or Reading (ENG 075)	26	25 (96.15%)	25 (96.15%)	23 (88.46%)	25 (96.15%)	25 (96.15%)	23 (88.46%)
ALL READING/ WRITING	12,989	8,715 (67.10%)	7,685 (59.17%)	6,529 (50.27%)	9,388 (72.28%)	8,460 (65.13%)	7,279 (56.04%)

TABLE 10

Course-level outcomes for students enrolled in DE math courses

Course	SUMMER 2011			FALL 2011			SPRING 2012		
	initially enrolled	receiving final grade	successfully completing	initially enrolled	receiving final grade	successfully completing	initially enrolled	receiving final grade	successfully completing
MAT 030	1,249	1,107 (88.63%)	683 (54.68%)	4,086	3,613 (88.42%)	2,262 (55.36%)	2,863	2,560 (89.42%)	1,564 (54.63%)
MAT 060	1,454	1,321 (90.85%)	986 (67.81%)	4,760	4,241 (89.10%)	3,099 (65.11%)	4,212	3,755 (89.15%)	2,590 (61.49%)
MAT 090	1,855	1,589 (85.66%)	1,141 (61.51%)	5,648	4,768 (84.42%)	3,202 (56.69%)	5,442	4,659 (85.61%)	3,186 (58.54%)
MAT 099	1,159	975 (84.12%)	671 (57.89%)	4,105	3,394 (82.68%)	2,216 (53.98%)	3,899	3,312 (84.94%)	2,104 (53.96%)
Other Math	815	695 (85.28%)	457 (56.07%)	2,715	2,297 (84.60%)	1,416 (52.15%)	2,571	2,194 (85.34%)	1,304 (50.72%)
ALL MATH	6,502	5,661 (87.07%)	3,919 (60.27%)	20,402	17,467 (85.61%)	11,532 (56.52%)	18,290	15,827 (86.53%)	10,271 (56.16%)

⁴ In order to facilitate comparison with pre-redesign course offerings, the *gtPathways* course list used in this report only includes courses that were designated as Guaranteed Transfer in Fall 2008.

TABLE 11

Successful completion of a college-level math course⁵ following successful completion of DE math courses in the 2011-2012 academic year

DE Course	Successful DE course completers (all terms)	WITHIN ONE YEAR			WITHIN THREE YEARS		
		Number of completers enrolled in a college-level math course	...received a final grade	...successfully completed	Number of completers enrolled in a college-level math course	...received a final grade	...successfully completed
MAT 030	4,501	241 (5.35%)	195 (4.33%)	162 (3.60%)	987 (21.93%)	835 (18.55%)	706 (15.69%)
MAT 060	6,653	1,136 (17.08%)	946 (14.22%)	798 (11.99%)	2,409 (36.21%)	2,084 (31.32%)	1,796 (27.00%)
MAT 090	7,521	2,820 (37.50%)	2,248 (29.89%)	1,889 (25.12%)	3,952 (52.55%)	3,394 (45.13%)	2,968 (39.46%)
MAT 099	3,725	3,357 (90.12%)	2,861 (76.81%)	2,422 (65.02%)	3,602 (96.70%)	3,209 (86.15%)	2,829 (75.95%)
Other Math	3,149	1,186 (37.66%)	1,027 (32.61%)	845 (26.83%)	1,620 (51.44%)	1,441 (45.76%)	1,234 (39.19%)
ALL MATH	21,199	7,273 (34.31%)	6,063 (28.60%)	5,092 (24.02%)	9,690 (45.71%)	8,390 (39.58%)	7,271 (34.30%)

DEGREES AND CERTIFICATES

At the time of this report, 5,738 students enrolled in Developmental Education courses during the 2011-2012 academic year had earned a degree or certificate through CCCS. Of these, 3,127 had earned at least one

certificate, while 3,467 had earned associate degrees. Table 15 shows the counts of DE students who earned certificates and degrees during the 2011-2012 academic year and the two following years in greater detail.

TABLE 12

Counts of 2011-2012 DE students earning degrees or certificates by year

Type of Outcome	Awarded During the 2011-2011 Academic Year	Awarded During the 2012-2013 Academic Year	Awarded during the 2013-2014 Academic Year
Associate Degrees	62	466	1,407
Certificates	429	724	672
Degree or Certificate	479	1,137	1,907

⁵ Eligible Math courses for this metric were: MAT103, MAT107, MAT108, MAT112, MAT120, MAT121, MAT135, MAT155, MAT156



2011-2012



SOURCES:

Course registration data retrieved from the Student Unit Record Data System (SURDS) and CCCS Operational Data Store using Cognos Report Studio.

Data on student characteristics, course grades, and degree outcomes retrieved from the CCCS Operational Data Store using Cognos Report Studio.

gtPathways Course List

Colorado Department of Education Reports, including annual remedial reports.



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