



## **DEVELOPMENTAL EDUCATION AND SUPPLEMENTAL ACADEMIC INSTRUCTION REPORT**

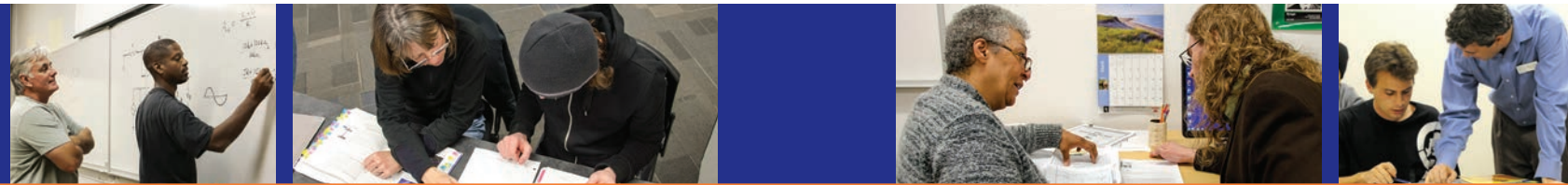
*ACADEMIC YEAR 2012-2013*



# 2012-2013



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 (DE) courses in the Colorado Community College System for the 2012-2013 academic year, which covers the Summer 2012, Fall 2012, and Spring 2013 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 graduates<sup>1</sup>.

This report has a broader scope, covering all students enrolling in developmental education at CCCS during the 2012-2013 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 2012-2013 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 2012-2013 academic year.



## Enrollment in DE

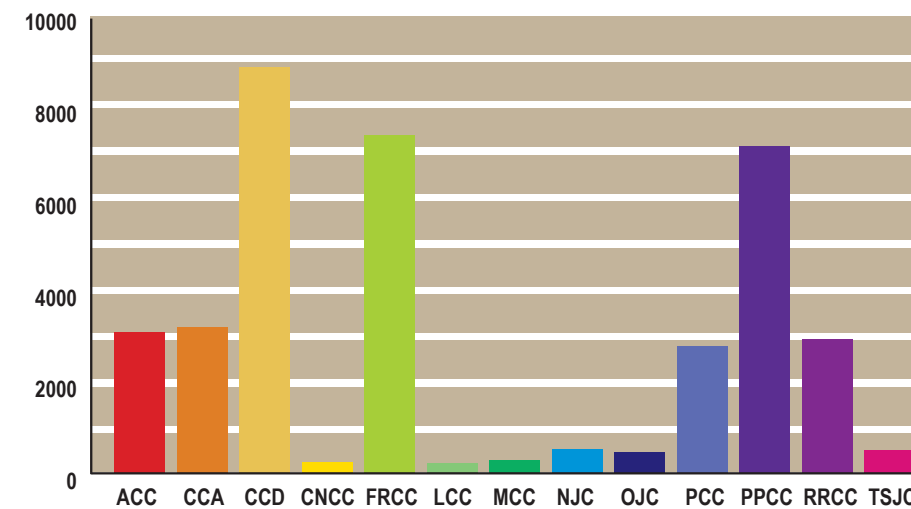
In the 2012-2013 academic year, 37,342 unique students were recorded as having enrolled in at least one DE course in the Student Unit Record Data System (SURDS). Records in the CCCS Operational Data Store (ODS), on the other hand, show 37,316 unique students as having been enrolled in at least one DE 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 2012	FALL 2012	SPRING 2013	TOTAL UNIQUE ENROLLMENT ACROSS ALL TERMS
7,085	22,745	19,762	37,316

**TABLE 2**  
*Unique initial enrollment in DE courses, by institution<sup>2</sup>*



INSTITUTION	UNIQUE DE STUDENTS INITIALLY ENROLLED	...AS A PERCENTAGE OF INSTITUTION HEADCOUNT
ACC	3,063	15.15%
CCA	3,182	24.89%
CCD	8,850	50.13%
CNCC	252	14.18%
FRCC	7,368	24.17%
LCC	212	18.50%
MCC	281	11.16%
NJC	524	18.41%
OJC	463	21.52%
PCC	2,765	24.39%
PPCC	7,121	32.54%
RRCC	2,931	20.45%
TSJC	507	20.25%
CCCS (TOTAL)	37,316	26.72%

<sup>1</sup> Colorado Department of Higher Education's reports and publications

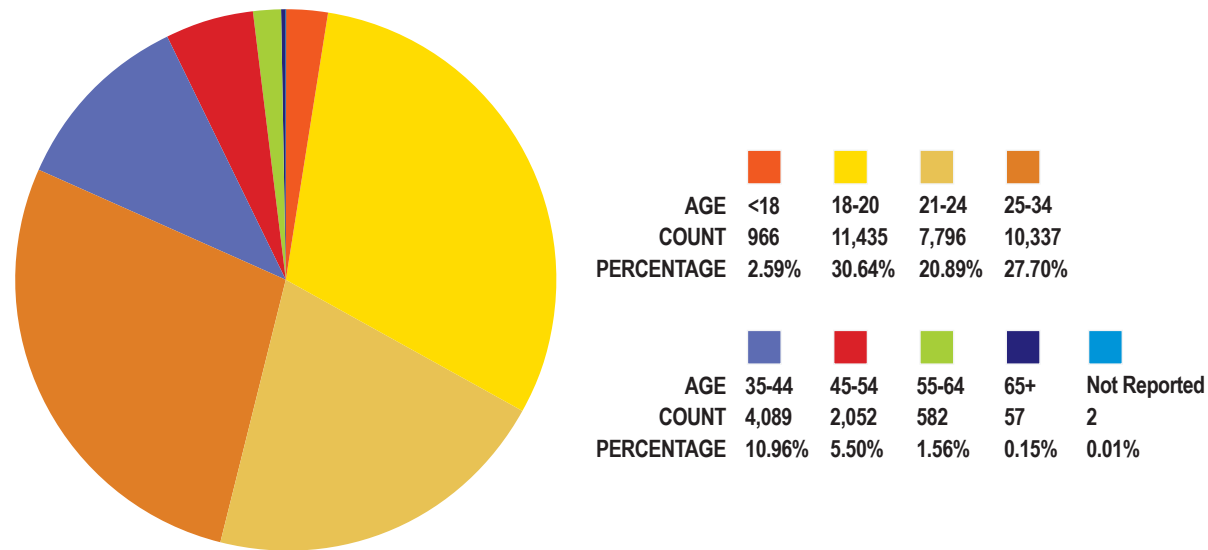
<sup>2</sup> Unique students were identified at the institution level in all cases save the total unique headcount.



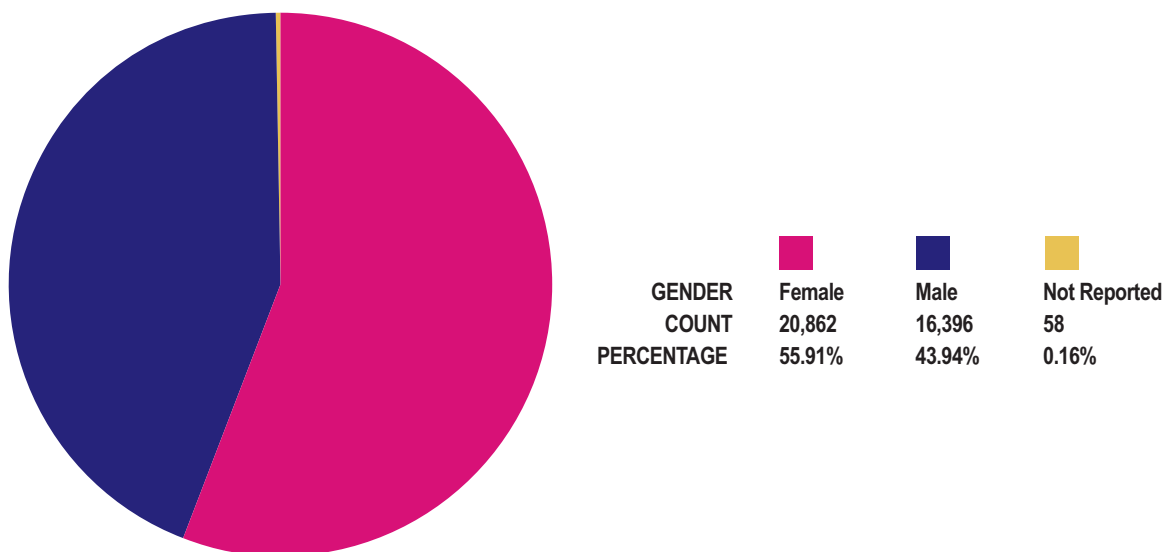
## Students in DE

The following tables summarize characteristics of the 2012-2013 DE student population.

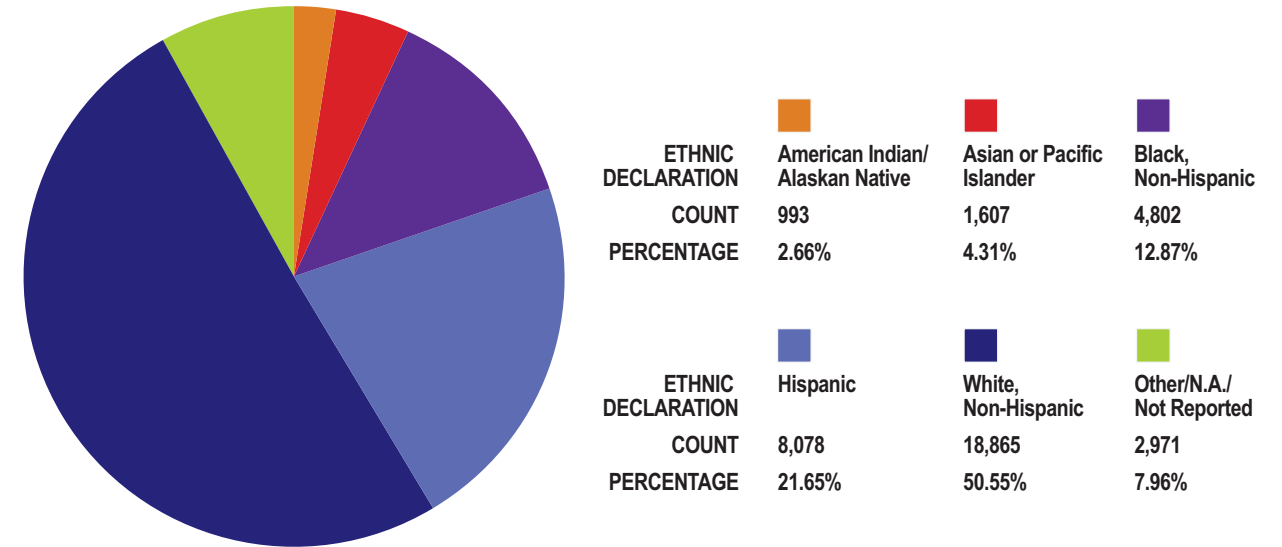
**FIGURE 3**  
*Student age ranges*



**FIGURE 4**  
*Student gender*



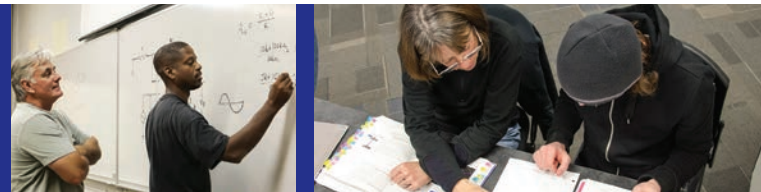
**FIGURE 5**  
*Student ethnicity*



**TABLE 6**  
*Student population descriptions*

	SUMMER 2012	FALL 2012	SPRING 2013
New Student	1,632	7,282	3,607
Transfer	773	2,372	1,728
Continuing Student	3,824	10,438	12,186
Re-Admit	611	1,324	1,306
Consortium Student (CCD Only) <sup>†</sup>	468	1,571	1,375
Other Student Population/Not Reported	34	446	319

<sup>†</sup> Consortium students are students from Metropolitan State University of Denver who take their remedial coursework at the Community College of Denver



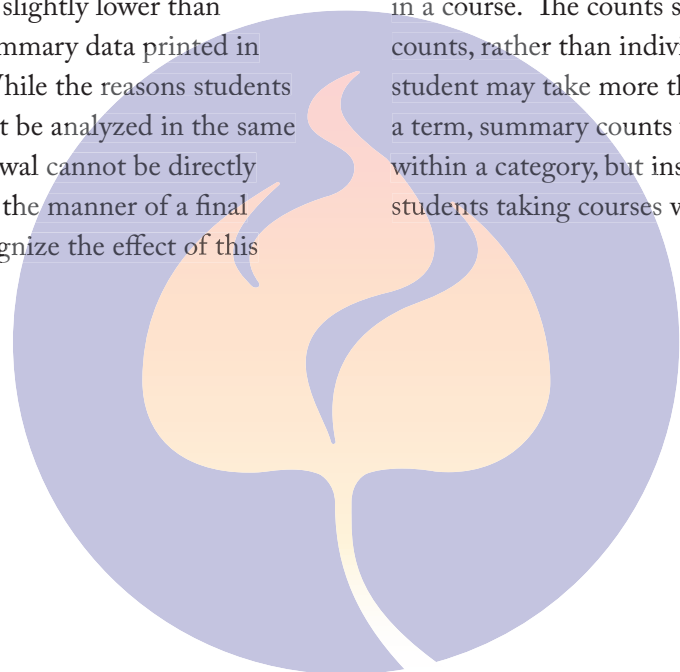
## Academic Outcomes for Students in DE

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<sup>3</sup>. 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, 69.1% of students initially enrolled passed at least one course, while 75.7% 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 OUTCOMES<sup>4</sup>

TABLE 7

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

Course	SUMMER 2012			FALL 2012			SPRING 2013		
	Initially Enrolled	Receiving Final Grade	Successfully Completing	Initially Enrolled	Receiving Final Grade	Successfully Completing	Initially Enrolled	Receiving Final Grade	Successfully Completing
ENG 030	106	88 (83.02%)	52 (49.06%)	178	164 (92.13%)	102 (57.30%)	51	45 (88.24%)	21 (41.18%)
ENG 060	606	549 (90.59%)	374 (61.72%)	2,353	2,133 (90.65%)	1,559 (66.26%)	1,524	1,375 (90.22%)	982 (64.44%)
ENG 090	1,761	1,584 (89.95%)	1,163 (66.04%)	6,216	5,573 (89.66%)	4,020 (64.67%)	5,016	4,447 (88.66%)	3,048 (60.77%)
REA 030	107	97 (90.65%)	61 (57.01%)	159	139 (87.42%)	100 (62.89%)	50	47 (94.00%)	30 (60.00%)
REA 060	406	368 (90.64%)	272 (67.00%)	1,661	1,517 (91.33%)	1,190 (71.64%)	966	864 (89.44%)	633 (65.53%)
REA 090	762	690 (90.55%)	511 (67.06%)	2,683	2,415 (90.01%)	1,694 (63.14%)	2,190	1,922 (87.76%)	1,314 (60.00%)
Other English or Reading	2	2 (100.00%)	2 (100.00%)	440	404 (91.82%)	291 (66.14%)	508	452 (88.98%)	315 (62.01%)
<b>ALL READING/ WRITING</b>	<b>3,077</b>	<b>2,792 (90.74%)</b>	<b>2,066 (67.14%)</b>	<b>10,109</b>	<b>9,176 (90.77%)</b>	<b>6,791 (67.18%)</b>	<b>7,949</b>	<b>7,103 (89.36%)</b>	<b>5,020 (63.15%)</b>

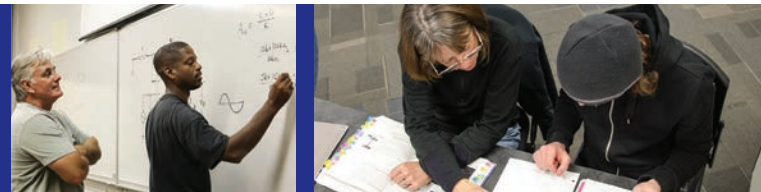
TABLE 8

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	157	25 (15.92%)	21 (13.38%)	18 (11.46%)	64 (40.76%)	51 (32.48%)	45 (28.66%)
ENG 060	2,898	1,045 (36.06%)	943 (32.54%)	757 (26.12%)	1,418 (48.93%)	1,257 (43.37%)	1,046 (36.09%)
ENG 090	8,223	5,296 (64.40%)	4,890 (59.47%)	4,108 (49.96%)	5,696 (69.27%)	5,223 (63.52%)	4,466 (54.31%)
REA 030	191	37 (19.37%)	32 (16.75%)	26 (13.61%)	67 (35.08%)	55 (28.80%)	45 (23.56%)
REA 060	2,087	805 (38.57%)	736 (35.27%)	617 (29.56%)	1,039 (49.78%)	917 (43.94%)	773 (37.04%)
REA 090	3,517	2,044 (58.12%)	1,859 (52.86%)	1,551 (44.10%)	2,263 (64.34%)	2,040 (58.00%)	1,728 (49.13%)
Other English or Reading	575	347 (60.35%)	318 (55.30%)	276 (48.00%)	380 (66.09%)	348 (60.52%)	309 (53.74%)
<b>ALL READING/ WRITING</b>	<b>12,071</b>	<b>6,398 (53.00%)</b>	<b>1,755 (14.54%)</b>	<b>2,490 (20.63%)</b>	<b>7,124 (59.02%)</b>	<b>1,106 (9.16%)</b>	<b>2,092 (17.33%)</b>

<sup>3</sup> Beginning in 2011, course completion rates reported by CCCS Institutional Research have been calculated using the sum of all final grades as a denominator.

<sup>4</sup> 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*<sup>5</sup> within one and three years of DE course completion<sup>7</sup>

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	157	53 (33.76%)	48 (30.57%)	43 (27.39%)	87 (55.41%)	76 (48.41%)	66 (42.04%)
ENG 060	2,898	1,514 (52.24%)	1,373 (47.38%)	1,114 (38.44%)	1,762 (60.80%)	1,606 (55.42%)	1,333 (46.00%)
ENG 090	8,223	6,361 (77.36%)	5,978 (72.70%)	5,223 (63.52%)	6,632 (80.65%)	6,231 (75.78%)	5,499 (66.87%)
REA 030	191	75 (39.27%)	64 (33.51%)	55 (28.80%)	100 (52.36%)	90 (47.12%)	74 (38.74%)
REA 060	2,087	1,090 (52.23%)	988 (47.34%)	809 (38.76%)	1,266 (60.66%)	1,144 (54.82%)	0 (0.00%)
REA 090	3,517	2,497 (71.00%)	2,314 (65.79%)	1,994 (56.70%)	2,669 (75.89%)	2,469 (70.20%)	2,139 (60.82%)
Other English or Reading	575	432 (75.13%)	399 (69.39%)	354 (61.57%)	457 (79.48%)	423 (73.57%)	379 (65.91%)
<b>ALL READING/ WRITING</b>	<b>12,071</b>	<b>8,152 (67.53%)</b>	<b>7,560 (62.63%)</b>	<b>6,470 (53.60%)</b>	<b>8,681 (71.92%)</b>	<b>8,037 (66.58%)</b>	<b>6,939 (57.48%)</b>

**TABLE 10**

Course-level outcomes for students enrolled in DE courses

Course	SUMMER 2012			FALL 2012			SPRING 2013		
	initially enrolled	receiving final grade	successfully completing	initially enrolled	receiving final grade	successfully completing	initially enrolled	receiving final grade	successfully completing
MAT 030	771	698 (90.53%)	456 (59.14%)	1,438	1,312 (91.24%)	880 (61.20%)	547	483 (88.30%)	314 (57.40%)
MAT 060	1,104	978 (88.59%)	731 (66.21%)	3,535	3,162 (89.45%)	2,287 (64.70%)	2,280	2,055 (90.13%)	1,478 (64.82%)
MAT 090	1,541	1,324 (85.92%)	959 (62.23%)	5,202	4,473 (85.99%)	3,178 (61.09%)	5,028	4,350 (86.52%)	2,956 (58.79%)
MAT 0	1,195	1,027 (85.94%)	749 (62.68%)	4,844	4,016 (82.91%)	2,687 (55.47%)	4,435	3,765 (84.89%)	2,515 (56.71%)
Other Math	688	611 (88.81%)	422 (61.34%)	3,177	2,821 (88.79%)	1,914 (60.25%)	3,756	3,253 (86.61%)	2,067 (55.03%)
<b>ALL MATH</b>	<b>5,279</b>	<b>4,619 (87.50%)</b>	<b>3,306 (62.63%)</b>	<b>17,846</b>	<b>15,467 (86.67%)</b>	<b>10,711 (60.02%)</b>	<b>15,816</b>	<b>13,688 (86.55%)</b>	<b>9,163 (57.94%)</b>

<sup>5</sup> 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 course<sup>6</sup> following successful completion of DE language courses in the 2012-2013 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	1,650	109 (6.61%)	97 (5.88%)	79 (4.79%)	372 (22.55%)	290 (17.58%)	239 (14.48%)
MAT 060	4,477	818 (18.27%)	721 (16.10%)	602 (13.45%)	1,556 (34.76%)	1,273 (28.43%)	1,089 (24.32%)
MAT 090	7,090	2,625 (37.02%)	2,193 (30.93%)	1,809 (25.51%)	3,526 (49.73%)	2,940 (41.47%)	2,495 (35.19%)
MAT 099	4,081	4,024 (98.60%)	3,539 (86.72%)	2,921 (71.58%)	4,312 (105.66%)	3,849 (94.32%)	3,296 (80.76%)
Other Math	4,284	1,153 (26.91%)	991 (23.13%)	776 (18.11%)	1,682 (39.26%)	1,363 (31.82%)	1,095 (25.56%)
<b>ALL MATH</b>	<b>19,291</b>	<b>7,314 (37.91%)</b>	<b>6,371 (33.03%)</b>	<b>5,228 (27.10%)</b>	<b>9,070 (47.02%)</b>	<b>7,680 (39.81%)</b>	<b>6,474 (33.56%)</b>

**DEGREES AND CERTIFICATES**

At the time of this report, 4,822 students enrolled in DE courses during the 2012-2013 academic year had earned a degree or certificate through CCCS. Of these, 2,411 had earned at least one certificate, while 2,051 had earned associate degrees. Table 15 shows the counts of DE students who earned certificates and degrees during the 2012-2013 academic year and the following years in

greater detail. Reports on CCCS developmental education from previous years have shown degree outcomes for DE students out to three years from the year of the report; it should be noted that the total number of students counted in this report receiving degrees or certificates will increase over time.

**TABLE 12**

Counts of earliest graduation or certificate attainment by 2012-2013 DE students

Type of Outcome	Awarded During the 2012-2013 Academic Year	Awarded During the 2012-2014 Academic Year	Awarded during the 2014-2015 Academic Year (as of April 21, 2015)
Associate Degrees	212	368	2,289
Certificates	1,302	676	3,074
Degree or Certificate	1,438	1,013	4,822

<sup>6</sup> Eligible Math courses for this metric were: MAT103, MAT107, MAT108, MAT112, MAT120, MAT121, MAT135, MAT155, MAT156



# 2012-2013



**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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