

New World of Work: Preparing Students to be Competitive in Rapidly Changing Industries

Performance in Recruitment, Student Retention, and Completion
Top Ten Academic Programs

Mónica Torres, President, Doña Ana Community College

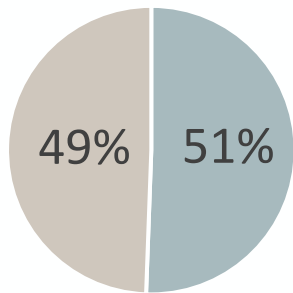


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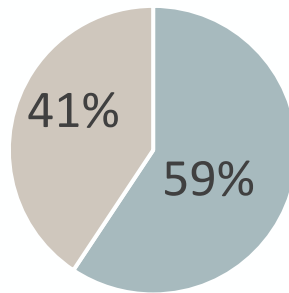
Who We Serve – First Generation

Fall First-time Degree-Seeking Students Enrolled Between 2010 and 2019 First Generation Status

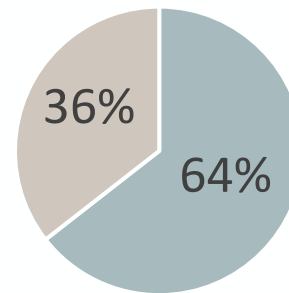
Alamogordo



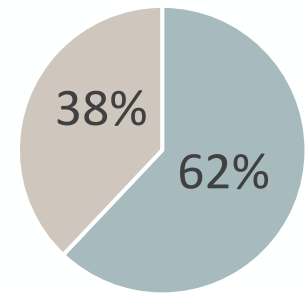
Carlsbad



Doña Ana



Grants



■ First Generation ■ Other ■ First Generation ■ Other ■ First Generation ■ Other ■ First Generation ■ Other

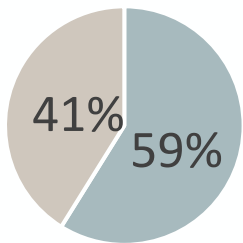


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Who We Serve – Pell Recipient

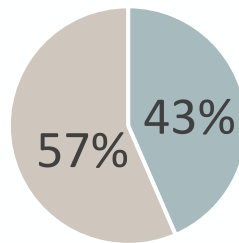
Fall First-time Degree-Seeking Students Enrolled Between 2010 and 2019 Pell Status

Alamogordo



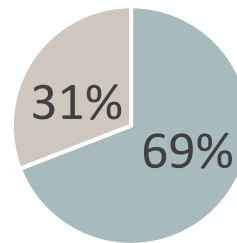
■ Received Pell
■ Did Not Receive Pell

Carlsbad



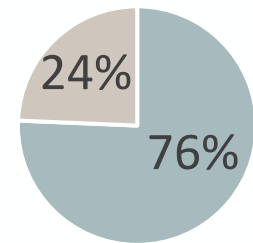
■ Received Pell
■ Did Not Receive Pell

Doña Ana



■ Received Pell
■ Did Not Receive Pell

Grants

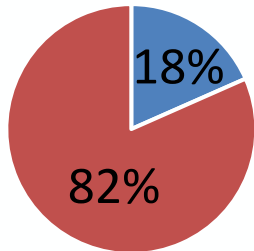


■ Received Pell
■ Did Not Receive Pell

Who We Serve – ACT or SAT

Fall First-time Degree-Seeking Students Enrolled Between 2010 and 2019 ACT/SAT Status

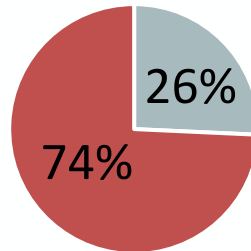
Alamogordo



- Has ACT/SAT
- No ACT/SAT

ACT of 21 or
above: 7.2%

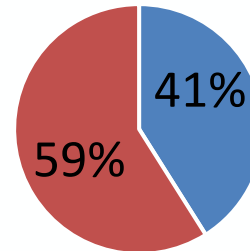
Carlsbad



- Has ACT/SAT
- No ACT/SAT

ACT of 21 or
above: 5.7%

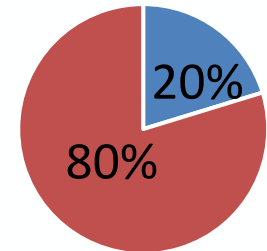
Doña Ana



- Has ACT/SAT
- No ACT/SAT

ACT of 21 or
above: 3.2%

Grants



- Has ACT/SAT
- No ACT/SAT

ACT of 21 or
above: 3.3%

Who We Serve – High School GPA

Fall First-time Degree-Seeking Students Enrolled Between 2010 and 2019 High School GPA

Alamogordo

Average HS GPA

3.06

Median HS GPA

2.81

HS GPA of 2.75 or
above: 45.4%

Carlsbad

Average HS GPA

2.83

Median HS GPA

2.85

HS GPA of 2.75 or
above: 51.0%

Doña Ana

Average HS GPA

2.61

Median HS GPA

2.60

HS GPA of 2.75 or
above: 35.5%

Grants

Average HS GPA

2.67

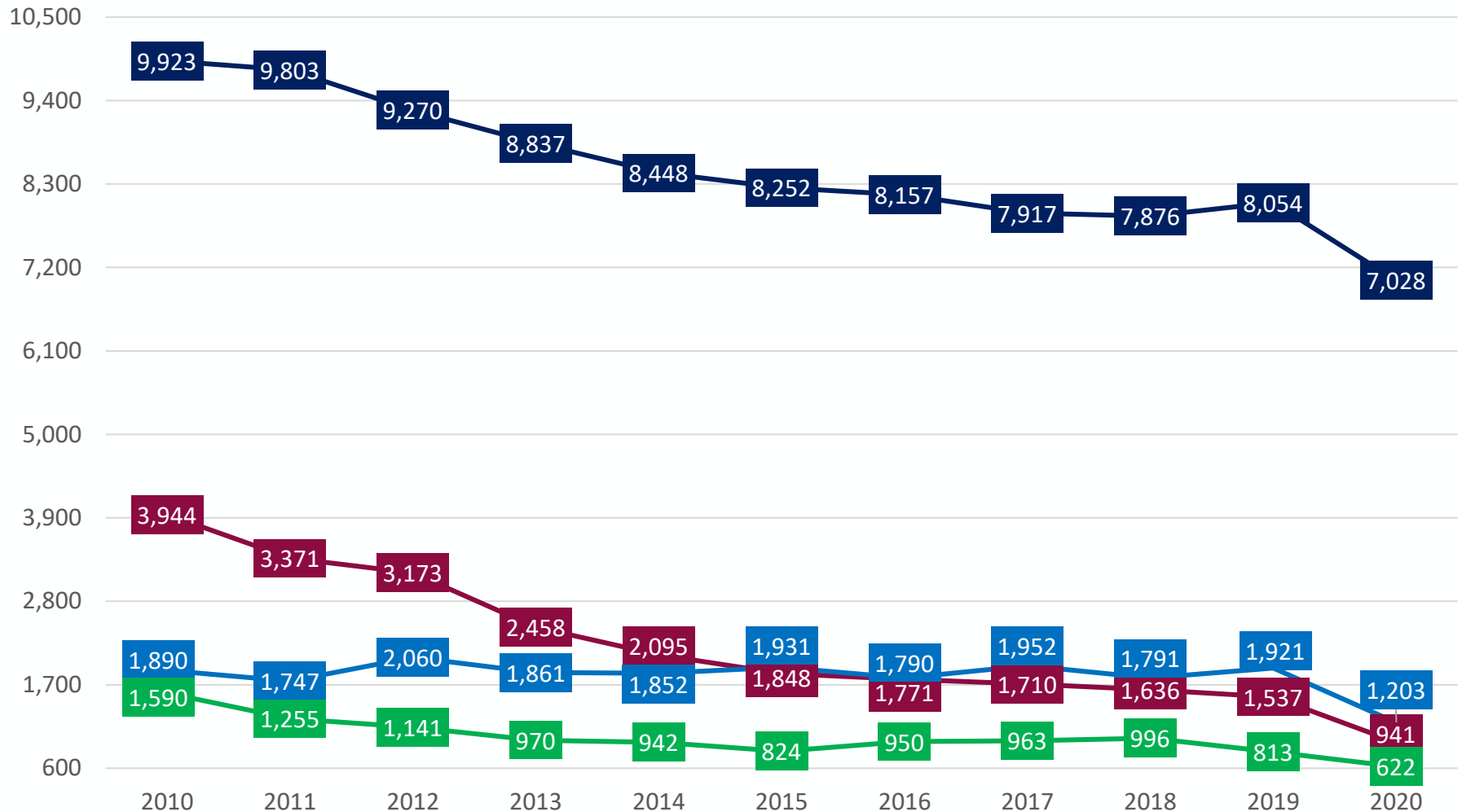
Median HS GPA

2.67

HS GPA of 2.75 or
above: 34.6%

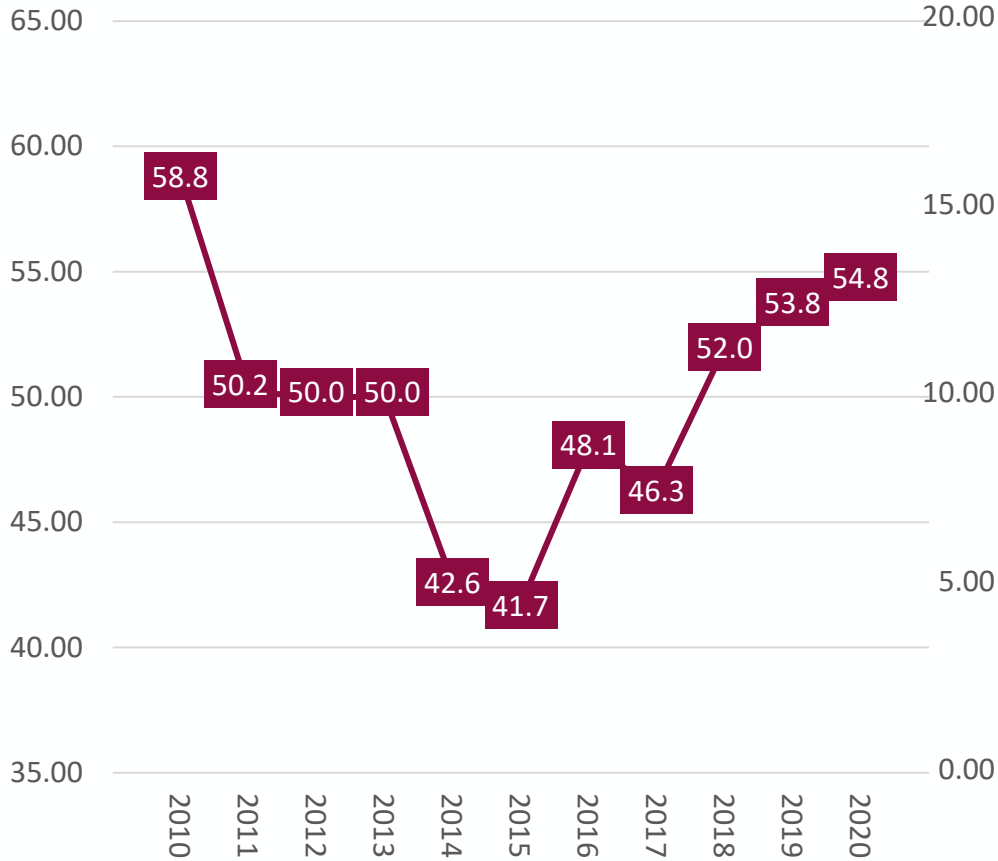
Headcount Enrollment- Alamogordo – Carlsbad – Doña Ana - Grants

— Alamogordo — Carlsbad — Doña Ana — Grants

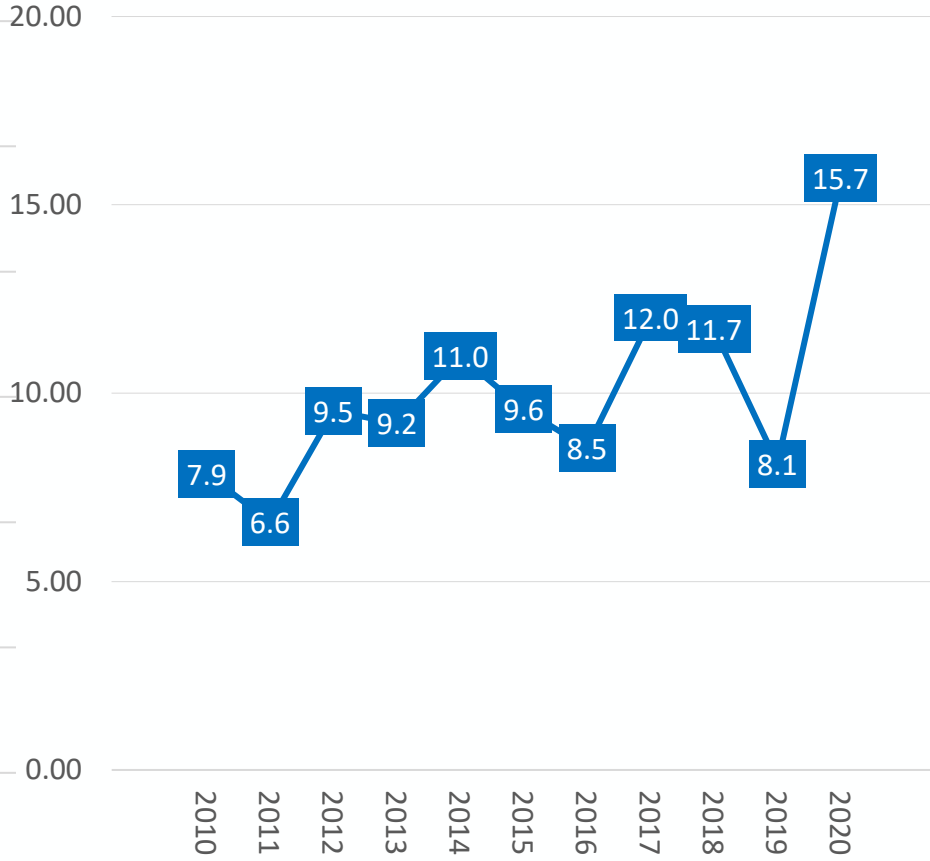


Alamogordo

Fall to Fall (1st Year) Retention

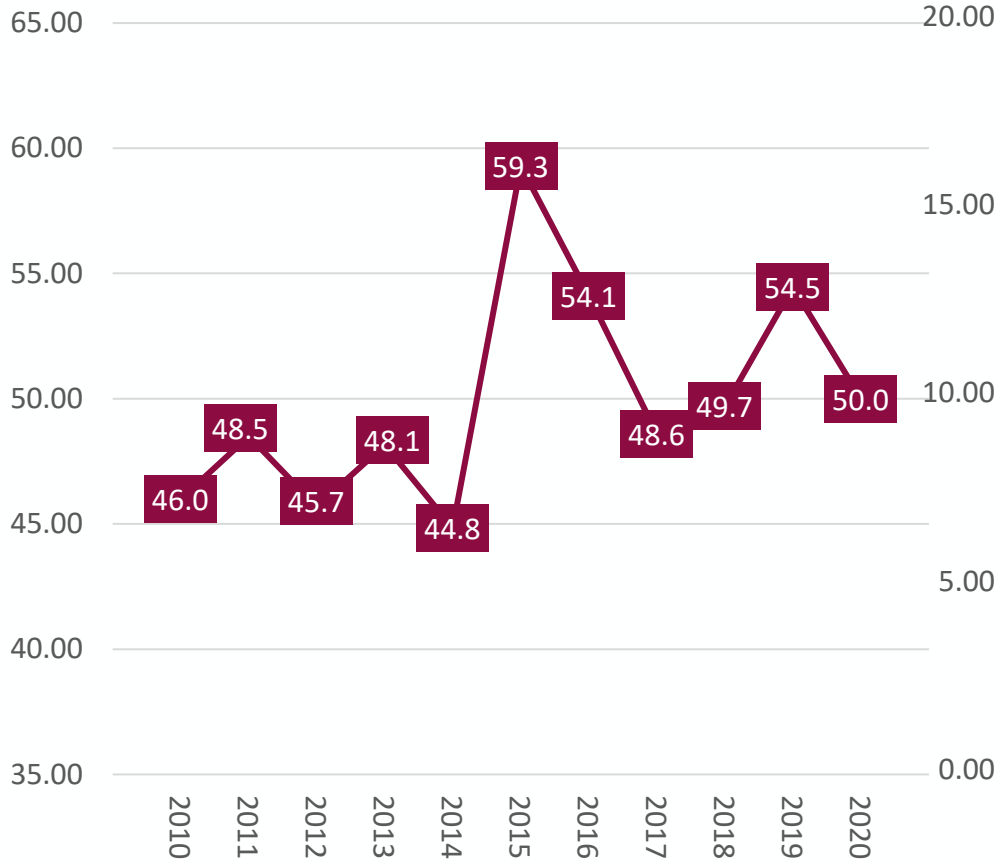


3-Year Graduation Rate (150%)

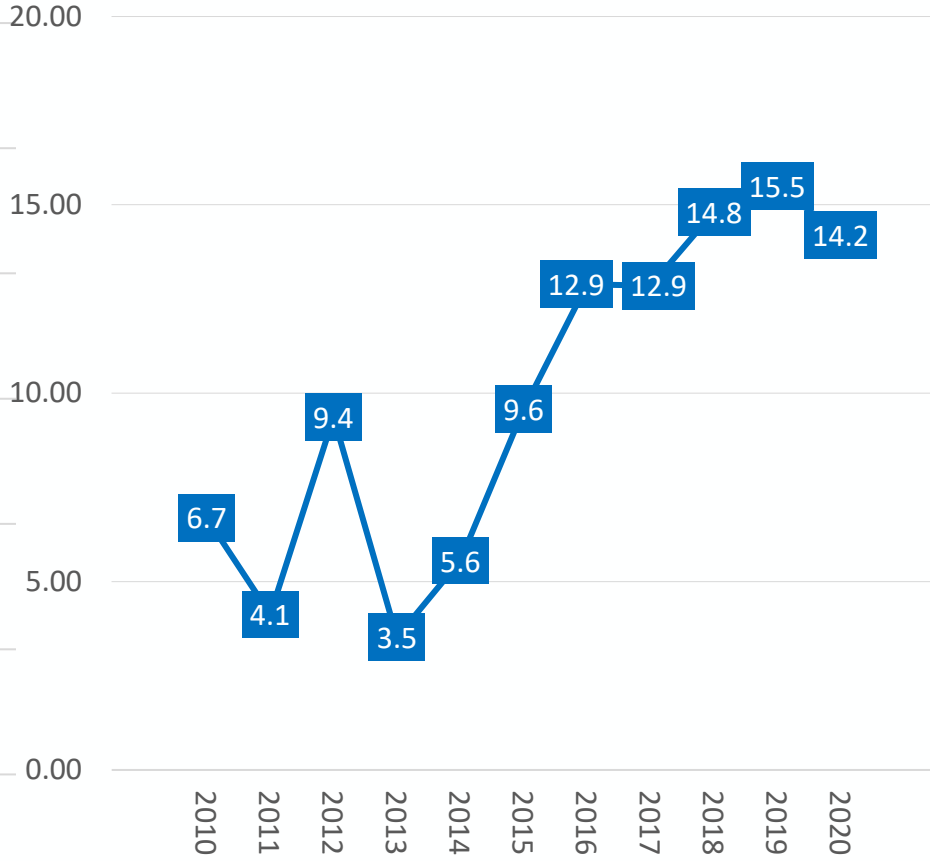


Carlsbad

Fall to Fall (1st Year) Retention

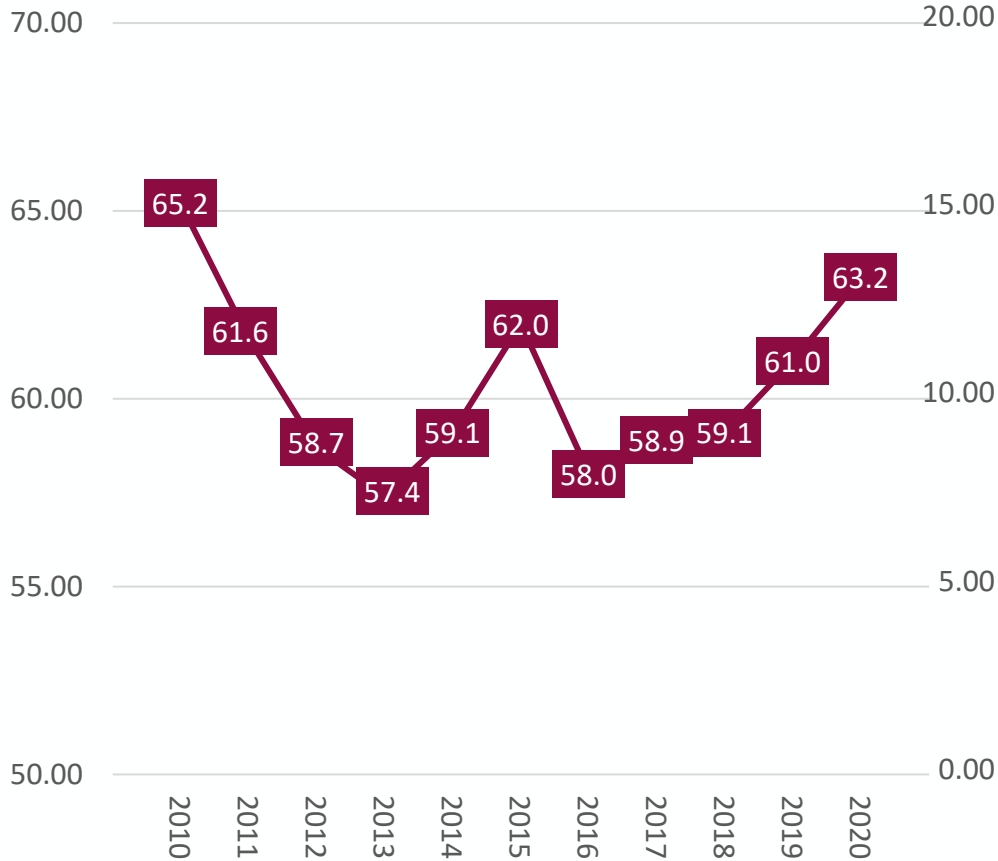


3-Year Graduation Rate (150%)

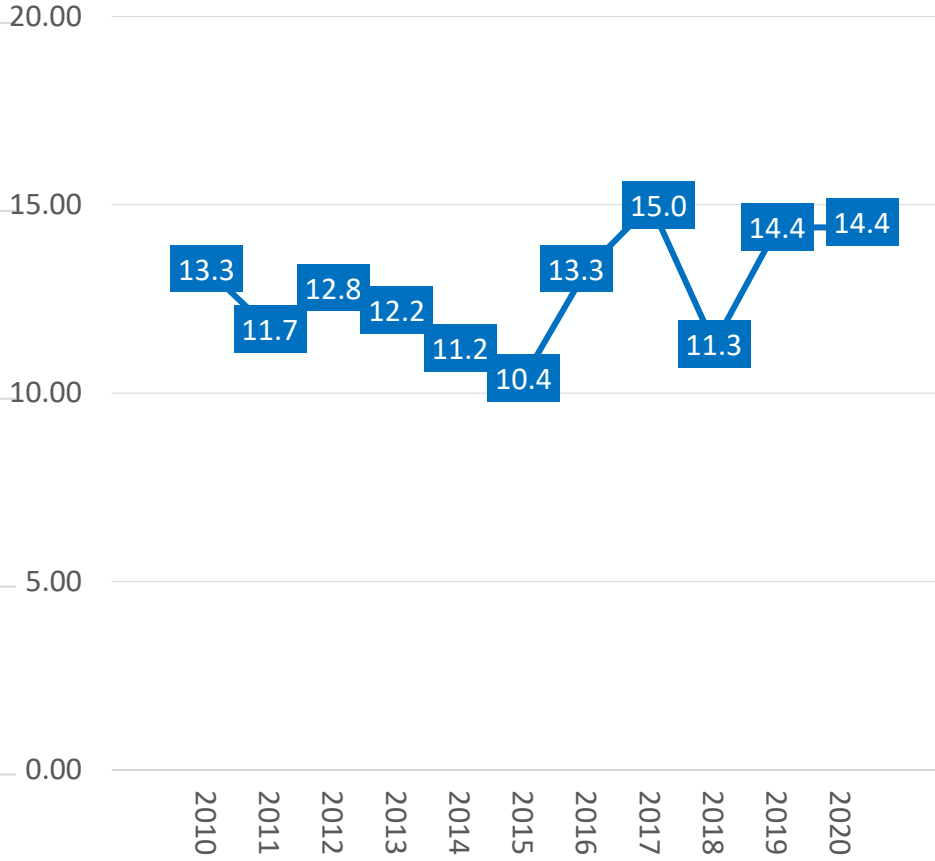


Doña Ana

Fall to Fall (1st Year) Retention

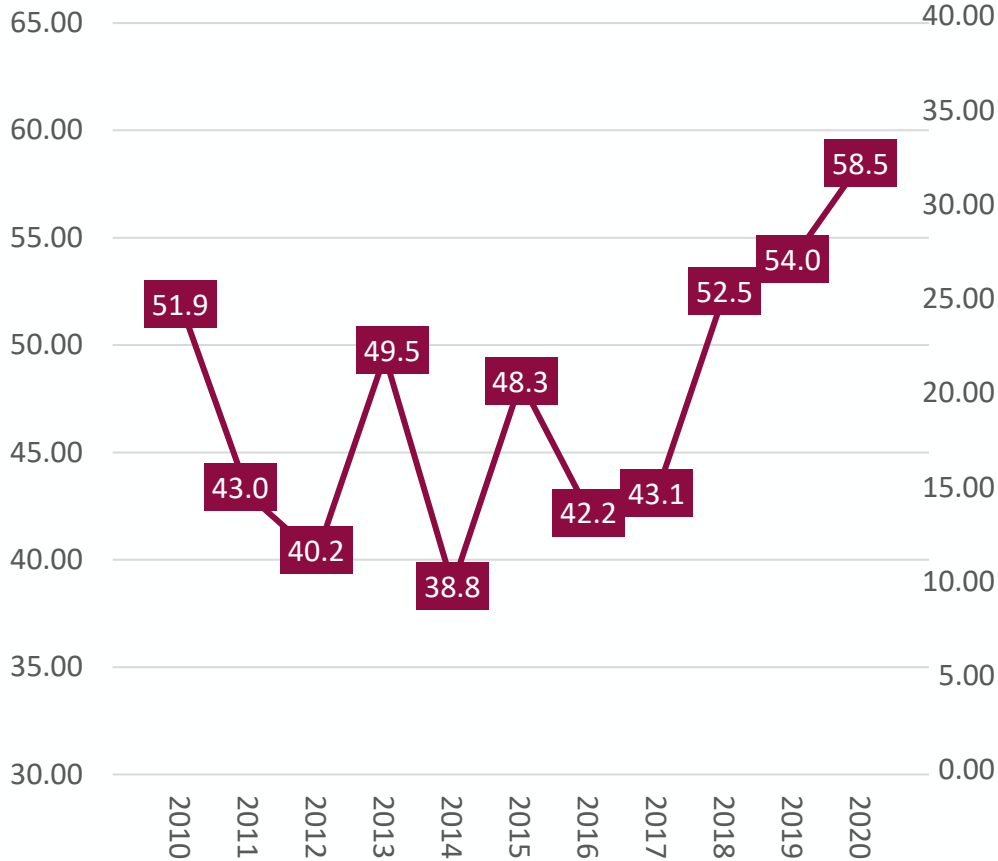


3-Year Graduation Rate (150%)

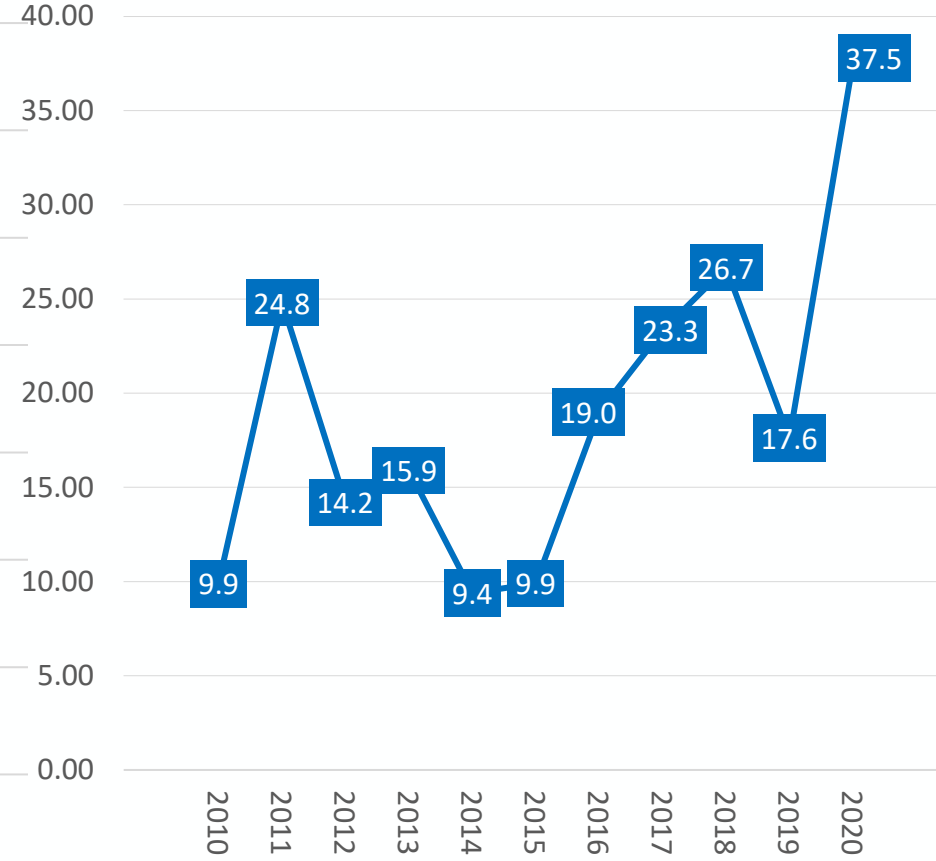


Grants

Fall to Fall (1st Year) Retention



3-Year Graduation Rate (150%)



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Note: The Fall semester listed is the retained fall; not the cohort Fall. Retention is measured from the 3rd Friday Census of the cohort fall semester to the 3rd Friday Census of the following fall semester. This is fall-to-fall retention for first-time full-time degree-seeking freshmen. Source: IPEDS Fall Enrollment surveys.

DACC Top Ten Associate Degrees

Associate Degree Program	2017-2018	2018-2019	2019-2020	3 Year Total
Associate of Arts	222	164	232	618
Associate of Science	193	189	205	587
Associate of General Studies	112	88	83	283
Business Management	82	79	82	243
Criminal Justice	81	79	76	236
Education	26	40	36	102
Computer & Information Technology	24	45	32	101
Nursing	29	27	28	84
Creative Media Technology	24	19	26	69
Radiologic Technology	20	20	20	60

DACC Top Ten Certificates

Certificate Program	2017-2018	2018-2019	2019-2020	3 Year Total
Emergency Medical Services	88	79	75	242
Computer & Information Technology	46	30	98	174
Creative Media Technology	38	59	37	134
Business Management	38	32	54	124
Business Office Technology	27	28	24	79
Drafting & Design Technologies	4	24	41	69
Heating, Ventilation, Air & Refrig.	12	24	22	58
Certified Nursing Assistant	13	13	23	49
Nursing	15	8	23	46
Electrical Programs: Linework	18	12	14	44

IPEDS Annual Awards

Annual Degrees and Awards Between 2009-10 and 2018-19 Total Awards Over the Past Ten Years

Alamogordo

Total Awards

2,041

Associate Degrees

1,940

Certificates

101

Avg. Annual
Awards : 204.1

Carlsbad

Total Awards

1,336

Associate Degrees

1,116

Certificates

220

Avg. Annual
Awards: 133.6

Doña Ana

Total Awards

14,813

Associate Degrees

10,486

Certificates

4,327

Avg. Annual
Awards : 1,484.3

Grants

Total Awards

1,108

Associate Degrees

678

Certificates

430

Avg. Annual
Awards: 110.8



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IPEDS New Student Cohorts

Students Who Transitioned to NMSU-Main Between 2010 and 2021 Degree-Seeking CC Students

Alamogordo

Students Who
Transitioned

1,053

Avg. Annual
Transitions

96

Transitioned in 1 Year

90.2%

Carlsbad

Students Who
Transitioned

470

Avg. Annual
Transitions

43

Transitioned in 1 Year

90.4%

Doña Ana

Students Who
Transitioned

5,395

Avg. Annual
Transitions

490

Transitioned in 1 Year

91.8%

Grants

Students Who
Transitioned

302

Avg. Annual
Transitions

30

Transitioned in 1 Year

92.4%



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New World of Work: industries where jobs are changing and promising more change

- Tech industries: AI, cyber security, digital media, etc.
- Industries changing as a result of technology: manufacturing, construction, healthcare, agriculture, transportation, education, retail, etc.
- Industries focused on sustainability including renewable energy, sustainable construction, etc.

New World of Work: Adaptations

Community colleges will have to adapt to meet the needs of this new workforce.

- program content
- program design and delivery
- employer engagement

New World of Work: Program Content

- New or developing programs in cyber-security, data analytics, logistics, child development
- A reorganization of non-credit unit to be more responsive to emerging needs in business and industry, e.g. recently licensed CNM's bootcamp, "Deep Dive Coding"
- Increasing integration of other programs to focus on workforce needs (IETs, industry-focused biliteracy academies)
- Ongoing use of industry-recognized credentials and stackable certificates

New World of Work: Program Delivery

Two projects focused on delivery of content using existing and emerging technologies.

- DACC's iPad initiatives
- System's EON-XR adoption/implementation

New World of Work: Program Delivery (DACC's iPad initiatives)

- 2100+ iPads distributed to students
- “Xcite!”: an ongoing project to train faculty to use iPad technology in their classrooms
- Apx 50 faculty trained in iPad use for the classroom
- 6 programs are “1:1” iPad use; 4 more in progress
- <https://dacc.nmsu.edu/xcite/>

New World of Work: Delivery (EON XR Platform)

virtual reality, augmented reality, and interactive 3D images

- EON XR will increase teaching and learning capacity by making VR/AR/3D available for classroom, laboratory, site-based, and remote learning environments.
- Apx 40 faculty and staff have gone through initial training.
- Implementation goals and strategies drafted.
- [eon reality intro](#)

New World of Work: Benefits of New Technologies

- economic development:
students prepared to enter workforce
employees offered opportunity to upskill or reskill
- social mobility:
state-of-the-art technologies made available for a
university system that serves significant numbers of
first-generation and Pell-eligible students
- entrepreneurship:
IP potential through content creation and publishing

THANK YOU



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