

Annual Report 2019-20
Department of Agricultural Business

1. Progress on Department Goals 2019-20:

- To develop a sustainable enrollment management plan after taking into consideration the admissions in 2019-20.
 - The department and the college are observing the enrollments under the new and higher admission criteria. The department would continue to monitor the enrollment and modify admission standards, if necessary, to have a sustainable growth.
- To make curriculum changes and offer new electives so as to meet the needs of the industry by training our students in advanced agribusiness management.
 - The department was successful in developing (and reactivating) two new electives to be offered in the academic year 2020-21. An elective course on Agricultural Capital Markets is being reactivated to be offered in Fall 2020 and another new elective on Wholesaling and Retailing in Agribusiness is being developed to be offered in Spring 2021. These two new electives along with the others would provide a good range of options for students to select from and specialize in their respective career paths.
- To develop collaborations with other departments in developing and offering Short-term Study Abroad Programs.
 - We have successfully developed two short-term study abroad programs with collaboration from other departments in the college. The service-learning study abroad program to Ghana was developed with the efforts of faculty from our department and Plant science and the service-learning study abroad program to South Africa was developed with the efforts of faculty from our department and Child and family Science. The program to Ghana was successfully offered and completed over winter intersession 2020. The program to South Africa was cancelled due to COVID related travel restrictions.
- To develop standardized rubrics and to develop and administer an alumni survey as part of enhancement of our program assessment.
 - The alumni survey is under development. The department is planning to complete it this academic year and utilize it in the most effective way.
- To pursue for hiring a new tenure-track assistant professor to meet the growing needs of the department.
 - The department was unable to obtain a tenure track position in place of Dr. Dwight Minami who retired two years ago. But the department was able to get part-time faculty to some extent which was helpful in covering the teaching load.

Challenges and Opportunities in 2019-20:

The challenges (C) faced by the department also provided unique opportunities (O) for us to improvise our department functioning and develop a much more supportive and collaborative team environment.

- (C) One of the major challenges that we faced last year is the abrupt absence (on leave) of a faculty member for extended duration due to health reasons. It has led to scrambling for teaching personnel to continue the courses with least amount of disruption for the students in the middle of the semester. But, due to timely support from our own faculty and from part-time faculty, we were able to continue the courses without any disruption.

(O) It has been a great opportunity for the entire faculty in the department to support their colleague in times of need. We were able to distribute the extra teaching load among ourselves (and with the help two part-time lecturers) and successfully completed the courses. I strongly believe that this camaraderie was possible due to the presence of a very supportive, collaborative and team-oriented environment that we have in the department.

- (C) One of the ongoing challenges that our department has been facing for last the few years is the lack of adequate number of tenure-track faculty members. As our department undertakes a number of extracurricular and co-curricular activities to improve the overall academic performance of our students and to strengthen their marketability, we strongly believe that it is possible only with tenure track faculty members. The TT/Tenured faculty can blend their research and outreach activities with their classroom teaching, thereby making the educational experience of the students more fulfilling.

(O) Due to various factors, our department was not successful in getting a new tenure track faculty added to our ranks in the last four years. But we were able to obtain a few part-time lecturers who can teach major classes as well as electives needed by our students. For example, recently an opportunity came our way where in a full-time employee of our Winery was looking for teaching experience, and we have offered him a major class to teach and asked him to develop an elective on wholesaling and retailing which would be very useful for our students.

- (C) Another big challenge faced by all of us in the past year is the COVID-19 related impacts on our professional and personal lives. As like everybody in the university, our department has to adapt very fast and in many ways to this challenge. Our faculty and students did a highly commendable job in meeting this challenge and have successfully completed the semester.

(O) The COVID-19 challenge gave to the faculty and the students an ample opportunity to collaborate and support and understand each other. It helped the faculty to understand the various issues that the students face, which during normal times may be overlooked. There were many examples where the faculty were so accommodative and have encouraged students to persist and complete the semester, rather than drop the course mid-way. It is due to their persistent efforts that we were able to see many of our students completing the semester with flying colors. I am sure, the students were also very appreciative and supportive to faculty who are adapting to this new challenge.

Goals for 2020-21:

- To continue developing a sustainable enrollment management plan after taking into consideration the admissions in 2020-21.
- To conduct a feasibility study for restarting the graduate program in Agricultural Business/Applied Economics area.
- To make sure that all the faculty members in the department are adequately trained in offering online courses in case the COVID 19 like situations occur in the future.
- To complete and administer an alumni survey as part of enhancement of our program assessment as well as improving the relationship with our stakeholders.
- To pursue for hiring a new tenure-track assistant professor to meet the existing needs of the department.
- To develop collaborations with other departments and colleges in developing grant proposals for research and capacity building.

Department Accomplishments:

a. Student Success: Graduation Rates, Retention Rates, Closing the Loop

The Department of Agricultural Business has exceeded all goals set by the Chancellor’s Office for Freshmen and Transfer students except one, where we dropped from last year (See OIE data in the Appendix).

CSU’s Goal by 2025 Graduation Rate for Freshman:

| | |
|------------------------------|--|
| 4-year Graduation (Goal 35%) | Dept. of AGBS in Fall 2019 (Entered in 2015) = 26% |
| | Dept. of AGBS in Fall 2018 (Entered in 2014) = 44% |
| 6-year Graduation (Goal 69%) | Dept. of AGBS in Fall 2019 (Entered in 2013) = 75% |
| | Dept. of AGBS in Fall 2018 (Entered in 2012) = 64% |

CSU’s Goal by 2025 Graduation Rate for Transfers:

| | |
|------------------------------|--|
| 2-year Graduation (Goal 34%) | Dept. of AGBS in Fall 2019 (Entered in 2017) = 64% |
| | Dept. of AGBS in Fall 2018 (Entered in 2016) = 44% |
| 4-year Graduation (Goal 80%) | Dept. of AGBS in Fall 2019 (Entered in 2015) = 95% |
| | Dept. of AGBS in Fall 2018 (Entered in 2014) = 98% |

- Headcount Change from Fall 2017 to Fall 2018 shows a decrease from 416 to 403 majors. That is a 3% decrease over the last year. But it is too early to say if the decrease in enrollments is due to higher admission standards.
- Retention Rates after first year for First-Time Freshmen and New Transfers are 85% and 100% respectively which meets Fresno State and Jordan College norms (See Appendix).

- Since 2012-13, the proportion of degrees offered to Hispanic students increased from 13% to 32% in 2018-19 (See Appendix).
- First-Time Freshman Four-Year Graduation Rate equals 26% based on an Ag. Business major cohort entering Fall 2015. This is drop from 44% last year and we are trying to understand the reasons behind this drop. The First-Time Freshmen Six-Year Graduation Rate for the cohort entering in Fall 2013 is 75%. For same year cohorts of Jordan College, the Four-Year Graduation Rate is 21% for all Jordan College First-Time Freshman Majors and 61% for the Six-Year Rate (See Appendix).
- New Transfer Two-Year Graduation Rate equals 64% based on AGBS cohort entering Fall 2017. The New Transfer Four-Year Graduation Rate is 95% based on AGBS cohort entering Fall 2015. For same year cohorts of Jordan College, the Two-Year Graduation Rate for all majors is 29% and 81% for the Four-Year Rate (See Appendix).

Both the high retention rates and the graduation rates are due to the department's commitment to student success. We are one of the few departments that offers all of our required courses every semester as well as offering additional sections during winter and summer sessions. The department is noted for having a relatively fast path to graduation on campus (average of 4.01 years) compared to many others. In addition, the department requires mandatory advising each semester, making it easier to catch potential delays.

The pass rate in all the AGBS courses is more than 90% ranging from 92-96% for Seniors to Freshmen respectively (see Appendix). About 7 percent of all the grades in the department are D, F or W. Even though the proportion of DFW grades is quite low, a couple of courses where the proportion is higher than average are identified and the instructors were asked to provide more number of assessments than what they were being given presently. It is expected that when the students are given more opportunities to prove themselves, their overall performance would be improved.

In addition to the above, our department usually adopts a wide range of high impact practice. Some of them are listed below:

- Presentations, case study analyses and discussion and team-based collaborative assignments are an integral part of many courses in our department. Courses like AGBS 32, 109, 130, 140, 160, and 170S incorporate these high impact practices regularly.
- Our department offers an active internship course in which almost 60-70 students participate every year.
- Two of our courses (AGBS 122 and AGBS 128) incorporated field trips in their course curriculum. Our capstone course AGBS 170S provides the service-learning opportunity for our students.
- Guest lectures by experts from the industry are part of many of our courses.
- We offered three study aboard programs in this academic year (Ghana, South Africa, and Spain) to our students, which will provide much needed exposure to global markets, culture and international agricultural systems.

b. Operational performance

Workplace quality survey: As there were not adequate number of responses from the department, we did not receive the findings of the survey pertaining to our department specifically. But we have made a few changes pertaining to the improvement of the operational efficiency at the department. The department administrative secretary has been asked to keep track of the submissions (and maintain a roster) pertaining to the travel applications and reimbursement forms, and other documents for approvals at higher levels. We believe that this measure will help us in offering satisfactory service to our faculty who had some delays/problems in the past regarding some travel related reimbursements.

Due to COVID-19 and its impact on students and university services, the faculty in the department were asked to be extra observant for any signs of any abnormal behavior like absenteeism, sudden loss of interest and focus, etc. and provide necessary support and direct them to various support resources that are available on campus. Faculty were also encouraged to provide flexibility to students with regard to their assignment submissions, exams, etc. so as to not cause any undue burden to students who lack adequate infrastructure and/or conducive environment at home for studies.

c. Broadening and deepening relationships with external audiences

The department continued with various collaborative efforts with other departments on campus with regard to planning and organizing short-term study abroad programs and research efforts. A service-learning study abroad program to Ghana was developed with the collaboration from the department of Plant Science and another service-learning study abroad program to South Africa was developed with the help of the department of Child and family Sciences. The program to Ghana was successfully completed over winter intersession 2020. The program to South Africa was cancelled due to COVID related travel restrictions. A third study abroad program to Spain was organized with collaboration from California State University, Chico.

Apart from the above programs, the department has also worked with the dairy processing plant on campus to improve the operational efficiency and to develop a strategy for long term sustenance. In addition, one of our faculty members also works with the Gibson Farm Market to collect valuable information regarding consumer preferences and willing to pay. Our faculty also developed and worked upon various research projects with people from other departments, colleges and external agencies.

The department has also continued its efforts to raise funds through AGBS Associates program. Our twelve industry representatives on the Agricultural Business Advisory Board established the AGBS Associates program in May 2016, under the leadership of Mr. Robert Sahatjian and Ms. Carol Gorter. The faculty members of the department have also taken part in the program by providing leads to the fund-raising efforts by the advisory board members. The AGBS Associates fund raising is an annual pledging program which we would like to pursue during the next academic year as well.

Apart from the above, our faculty members regularly invite guest speakers from the industry to their classes to talk to the students. We believe that these interactions provide benefits to both sides as many of our students might become employed by the visitors. The

faculty in our department also make it a point to visit career fairs that are organized by the university/college to interact with the recruiters and understand their needs.

AGBS Advisory Board

An updated roster of our advisory board members is provided in the appendix. Our advisory board met on October 24, 2019 and they were apprised of the performance of AGBS students and the various programs that are being implemented by the department. A second meeting of the Advisory Board, which was to be held in April 2020 was cancelled due to COVID 19. An updated roster of our AGBS Advisory Board is attached in the appendix.

d. Faculty & Staff Development

The faculty and staff of the department participated in various professional development activities which were supported by the department resources in various ways.

- The Chair of the department Dr. Srinu Konduru has participated in the first Chairs School organized by the office of Associate VP, Faculty Affairs in 2019-20.
- The department covered costs for our faculty “coaches” to accompany our students participating in the National Grocers Association Convention in San Diego and Food Distribution Research Society Conference in Seattle, WA.
- The department has covered the costs for all faculty to attend the Annual Agribusiness Management Conference held in November 2019 in Fresno and the World Ag Expo held in February 2020.
- The department has covered part of the travel expenses for Dr. Pei Xu and Dr. Serhat Asci to participate in the conferences and present papers.
- The department has also covered costs for any support needed when faculty are assisting students on field trips when students are meeting with businesses or stakeholder groups and organizations.
- If faculty need software, hardware, or travel, the department is always willing to support faculty and staff in their professional development pursuits if it meets the mission of the College and the department.
- Staff – DAA attends all professional development activities that benefit job enhancement

Faculty Publications, Presentations, & Creative Accomplishments

Referred Publications:

Konduru S., S. Asci, (2019), "A Study of the Chinese Retaliatory Tariffs on Tree Nuts and its Impact on Central Valley of California." *Theoretical Economics Letter* 9, 2747-2755; doi: 10.4236/tel.2019.98172.

Xia, H. H., Lei, K., & Liang, J. (2019). Bank Competition, Efficiency and Stability in Macau. *Accounting and Finance Research*, 8(4), 157–177.

Xu, Pei, and Todd Lone. "Evaluate Agribusiness Students' Adoption of Service-Learning using a Three-stage Framework." *Journal of Research in Innovative Teaching & Learning*, submitted, April 2020.

Xu, Pei, and Todd Lone. "Preference and Willingness to Pay for Drought Assistance in California's Central Valley." *International Journal of Food and Agricultural Economics*, 7 (2019): 201-213.

Xu, Pei, Todd Lone (2019) "Adoption of Mobile Technologies in Learning: An Agribusiness Case.". *International Journal of Technology Enhanced Learning*. DOI: 10.1504/IJTEL.2019.10023749 (Cabells Indexed, June 1, 2019).

Reports - Research, Extension & Industry:

Lone, T.A. "Consumers' Preferences and Potential Market Demand for Agretti." Economic component report for California Department of Water Resources Project #4600011276 – Investigation of halophyte *Salsola soda* as an alternative salt-tolerant crop for phyto-management of salt-affected soils and waters high in boron and selenium. Project (\$258,390) ended June 2019.

Conference Presentations:

Asci S. (2019), "San Joaquin Valley Crops Prices on Land Allocation: A Differential Model Panel Data Application." WAEA Annual Meeting. June 30 - July 2, 2019, Coeur d'Alene, ID.

Konduru S. and S. Asci (2019), "Potential of Solar Energy in Agricultural Development in Caribbean Countries." 33rd West Indies Agricultural Economic Conference. August 4-9, 2019, Tobago, West Indies.

Konduru S. and S. Asci (2019), "A Study of the Chinese Retaliatory Tariffs on Tree Nuts and its Impact on Central Valley of California." WAEA Annual Meeting. June 30 - July 2, 2019, Coeur d'Alene, ID.

Liang, J., Agricultural commodity price and local housing market: Nonlinear causality. 2019 LAS VEGAS International Academic Conference. October 27-28, 2019, Las Vegas, NV.

Xu, Pei, T. Lone, and L. Davis. "Agribusiness Students' Adoption of Service-learning: A Three-stage Framework." Research paper presentation at 3rd International Conference on Education and Multimedia Technology (ICEMT), Nagoya, Japan, July 22-25, 2019.

Pei Xu "Consumption Preference for Rice in Japan, Korea, Thailand, Vietnam and China: What Are Major Influencers?". Oral presentation presenter. Institute of Developing Economies, IDE-Jetro. August 2nd, 2019. Chiba, Japan.

Pei Xu "The Economic Impact of Drought on Agricultural Land Sustainability: The Case of California's Central Valley". Oral presentation presenter. Experts of Academic Experience Research Center Annual Conference. July 27-28, 2019. Osaka, Japan.

Accepted Conference Presentations:

Asci, Ramaswamy, Konduru, "Modern Time Trade Wars: Chinese Retaliatory Tariffs vs California's Tree Nuts industry," 2020 AAEE Annual Meeting, July 26-28, Kansas City, MO

Asci, Ramaswamy, Ng'ombe, "Big Data Analysis for Forecasting California's Pesticide Demand," 2020 Western Agricultural Economics Association's annual meeting, June 28-30, Santa Fe, NM

Asci, Ramaswamy, Konduru, "New Trade Routes for California's Tree Nuts industry's under Chinese Retaliatory Tariffs," 2020 Western Agricultural Economics Association's annual meeting, June 28-30, Santa Fe, NM

Grants Awarded:

Asci S. (PI), S. Konduru. "USDA-FAS Cochran Fellowship Program – Marketing of Tree Nuts – Pakistan" USDA-FAS, August 2019. Amount: \$52,755.00.

Levi, A. and J. Liang. USDA-SCRI Grant Proposal – *Putting phenotypic and genotypic tools to work for improving walnut rootstocks*. In cooperation with UC Cooperative Extension, Kearney. 2018 to 2021. Total grant \$4.96 million; Economic analysis portion - \$95,000

Kaomine, Vang, T.A. Lone (Co-Investigator), and G. Banuelos. "The organic production of 'agretti' in poor-quality soils with poor-quality water." California State University Agricultural Research Initiative (CSU ARI), three-year project starting Aug. 2019. Amount: \$160,520. Cash matches: USDA-ARS \$40,000, CDFA \$24,000. In-kind match: USDA-ARS \$97,629.

Other Professional Activities, Awards and Recognitions:

Dr. Annette Lev^[L]_[SEP]

- Member of National Agricultural Research, Extension, Education, and Economics Advisory Board (NAREEE), Appointed by US Secretary of Agriculture 2020 – 2023.

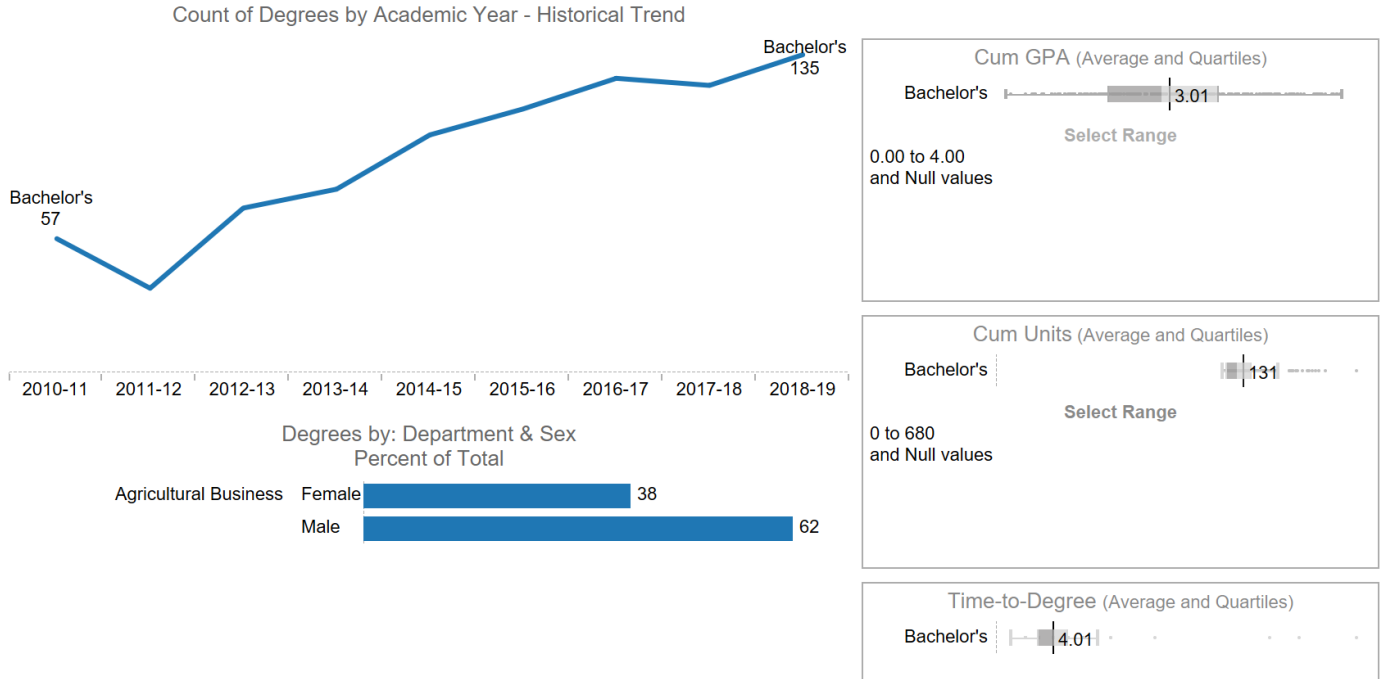
Dr. Serhat Asci

- Member, ARI Review Committee, Cal Poly, SLO, 2019.

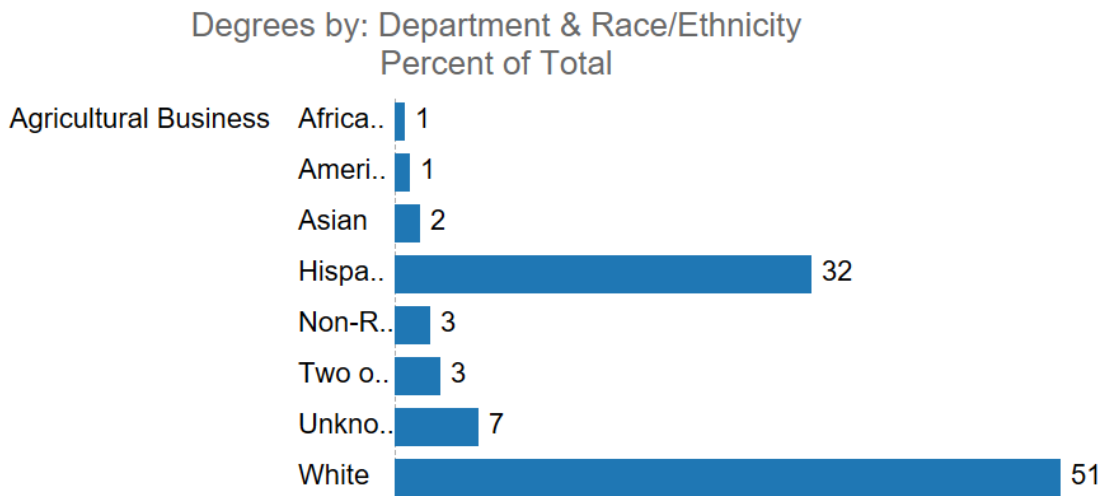
APPENDIX

Degrees Awarded by Department of Agricultural Business

Degrees and Time-to-Degree



AGBS Degrees by Race/Ethnicity 2018-19



Retention and Graduation of Freshmen (AGBS)

| Cohort Term Fall | First-time Full-time Freshmen Cohorts | | | | | | | | | | | | | | | |
|--|---------------------------------------|-------------|----------------|-------------------|--------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Entry Cohort | Cohort Size | Avg Entry GPA* | Avg. 1st Term GPA | Retention after 1st Term | Retention after 1 Year | Degree within 2 Years | Contin. after 2 Years | Degree within 3 Years | Contin. after 3 Years | Degree within 4 Years | Contin. after 4 Years | Degree within 5 Years | Contin. after 5 Years | Degree within 6 Years | Contin. after 6 Years |
| Entry Cohort Multiple values | Fall 2007 | 33 | 3.24 | 2.83 | 100.0% | 87.9% | 0.0% | 84.8% | 0.0% | 72.7% | 27.3% | 51.5% | 54.5% | 18.2% | 57.6% | 15.2% |
| | Fall 2008 | 24 | 3.42 | 2.86 | 95.8% | 87.5% | 0.0% | 91.7% | 0.0% | 83.3% | 29.2% | 50.0% | 66.7% | 12.5% | 79.2% | 4.2% |
| Enrollment Type First-time Full-time Freshmen | Fall 2009 | 36 | 3.19 | 2.77 | 100.0% | 88.9% | 0.0% | 88.9% | 0.0% | 86.1% | 38.9% | 41.7% | 61.1% | 19.4% | 75.0% | 2.8% |
| | Fall 2010 | 29 | 3.28 | 2.59 | 96.6% | 86.2% | 0.0% | 86.2% | 0.0% | 86.2% | 37.9% | 48.3% | 72.4% | 6.9% | 75.9% | 3.4% |
| Race/ Ethnicity All | Fall 2011 | 38 | 3.34 | 2.84 | 100.0% | 81.6% | 0.0% | 78.9% | 0.0% | 81.6% | 28.9% | 50.0% | 57.9% | 15.8% | 60.5% | 7.9% |
| | Fall 2012 | 42 | 3.18 | 2.95 | 97.6% | 90.5% | 0.0% | 81.0% | 2.4% | 71.4% | 31.0% | 40.5% | 47.6% | 11.9% | 64.3% | 4.8% |
| Ethnicity Detail All | Fall 2013 | 47 | 3.26 | 2.64 | 95.7% | 91.5% | 0.0% | 91.5% | 4.3% | 80.9% | 38.3% | 40.4% | 66.0% | 10.6% | 74.5% | 6.4% |
| | Fall 2014 | 79 | 3.33 | 2.92 | 98.7% | 87.3% | 0.0% | 82.3% | 6.3% | 77.2% | 44.3% | 36.7% | 70.9% | 7.6% | | |
| Institution of Origin All | Fall 2015 | 62 | 3.19 | 2.88 | 95.2% | 80.6% | 0.0% | 83.9% | 0.0% | 80.6% | 25.8% | 53.2% | | | | |
| | Fall 2016 | 59 | 3.30 | 2.75 | 91.5% | 84.7% | 0.0% | 78.0% | 5.1% | 67.8% | | | | | | |
| College at Entry All | Fall 2017 | 63 | 3.44 | 2.96 | 95.2% | 85.7% | 0.0% | 87.3% | | | | | | | | |
| | Fall 2018 | 62 | 3.45 | 2.85 | 96.8% | 85.5% | | | | | | | | | | |
| | Fall 2019 | 77 | 3.44 | 2.91 | 96.1% | | | | | | | | | | | |
| | Grand Total | 651 | 3.32 | 2.84 | 96.6% | 86.2% | 0.0% | 84.4% | 2.4% | 78.0% | 34.4% | 44.9% | 62.8% | 12.2% | 69.1% | 6.4% |

Department at Entry Agricultural Business

Note: Cohort includes all first-time, full-time freshmen. Entry GPA reflects high school GPA.

Comparison of performance for various students subgroups

Retention and Graduation of Transfers (AGBS)

| Cohort Term Fall | First Time CCC Transfer Cohorts | | | | | | | | | | | | | | | |
|--|---------------------------------|-------------|----------------|-------------------|--------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Entry Cohort | Cohort Size | Avg Entry GPA* | Avg. 1st Term GPA | Retention after 1st Term | Retention after 1 Year | Degree within 2 Years | Contin. after 2 Years | Degree within 3 Years | Contin. after 3 Years | Degree within 4 Years | Contin. after 4 Years | Degree within 5 Years | Contin. after 5 Years | Degree within 6 Years | Contin. after 6 Years |
| Entry Cohort Multiple values | Fall 2007 | 13 | 2.81 | 2.58 | 100.0% | 92.3% | 30.8% | 69.2% | 76.9% | 23.1% | 100.0% | 0.0% | 100.0% | 0.0% | 100.0% | 0.0% |
| | Fall 2008 | 11 | 2.97 | 2.86 | 100.0% | 90.9% | 9.1% | 72.7% | 72.7% | 9.1% | 90.9% | 0.0% | 90.9% | 0.0% | 90.9% | 0.0% |
| Enrollment Type First Time CCC Transfer | Fall 2009 | 12 | 3.16 | 2.94 | 100.0% | 100.0% | 58.3% | 33.3% | 83.3% | 8.3% | 91.7% | 0.0% | 91.7% | 0.0% | 91.7% | 0.0% |
| | Fall 2010 | 17 | 2.99 | 2.74 | 100.0% | 82.4% | 29.4% | 52.9% | 76.5% | 0.0% | 76.5% | 0.0% | 76.5% | 0.0% | 76.5% | 0.0% |
| Race/ Ethnicity All | Fall 2011 | 33 | 2.91 | 2.70 | 93.9% | 84.8% | 33.3% | 54.5% | 66.7% | 15.2% | 72.7% | 6.1% | 78.8% | 0.0% | 78.8% | 0.0% |
| | Fall 2012 | 31 | 2.87 | 2.78 | 93.5% | 93.5% | 38.7% | 41.9% | 64.5% | 22.6% | 83.9% | 3.2% | 87.1% | 0.0% | 87.1% | 0.0% |
| Ethnicity Detail All | Fall 2013 | 52 | 3.03 | 2.88 | 98.1% | 92.3% | 53.8% | 36.5% | 84.6% | 5.8% | 90.4% | 0.0% | 90.4% | 0.0% | 90.4% | 0.0% |
| | Fall 2014 | 46 | 3.10 | 2.72 | 97.8% | 95.7% | 45.7% | 47.8% | 91.3% | 2.2% | 93.5% | 0.0% | 93.5% | 0.0% | | |
| Institution of Origin All | Fall 2015 | 41 | 3.01 | 2.78 | 100.0% | 97.6% | 61.0% | 31.7% | 92.7% | 2.4% | 95.1% | 0.0% | | | | |
| | Fall 2016 | 42 | 3.00 | 2.87 | 95.2% | 92.9% | 42.9% | 54.8% | 85.7% | 7.1% | | | | | | |
| College at Entry All | Fall 2017 | 39 | 3.23 | 3.21 | 97.4% | 97.4% | 64.1% | 30.8% | | | | | | | | |
| | Fall 2018 | 33 | 3.26 | 3.36 | 100.0% | 100.0% | | | | | | | | | | |
| | Fall 2019 | 36 | 3.29 | 3.26 | 97.2% | | | | | | | | | | | |
| | Grand Total | 406 | 3.07 | 2.92 | 97.5% | 93.8% | 46.6% | 44.5% | 81.5% | 8.4% | 88.3% | 1.2% | 88.4% | 0.0% | 87.0% | 0.0% |

Department at Entry Agricultural Business

Note: Cohort includes all first-time transfer students from a California community college who transfer in as a sophomore or above. Entry GPA reflects transfer GPA.

Comparison of performance for various students subgroups

Retention and Graduation of Freshmen (JCAST)

Undergraduate Cohort Retention, Graduation, Persistence

| Cohort Term Fall | | First-time Full-time Freshmen Cohorts | | | | | | | | | | | | | | |
|--|--------------------|---------------------------------------|-------------------|--------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------|
| Entry Cohort | Cohort Size | Avg Entry GPA* | Avg. 1st Term GPA | Retention after 1st Term | Retention after 1 Year | Degree within 2 Years | Contin. after 2 Years | Degree within 3 Years | Contin. after 3 Years | Degree within 4 Years | Contin. after 4 Years | Degree within 5 Years | Contin. after 5 Years | Degree within 6 Years | Contin. after 6 Years | |
| Entry Cohort Multiple values | Fall 2007 | 158 | 3.20 | 2.80 | 97.5% | 86.1% | 0.0% | 71.5% | 0.0% | 70.3% | 18.4% | 50.0% | 46.8% | 16.5% | 56.3% | 8.9% |
| | Fall 2008 | 189 | 3.29 | 2.82 | 96.8% | 81.0% | 0.0% | 76.2% | 1.1% | 73.0% | 16.4% | 54.0% | 45.5% | 23.8% | 59.8% | 6.3% |
| Enrollment Type First-time Full-time Freshmen | Fall 2009 | 217 | 3.22 | 2.79 | 98.6% | 87.6% | 0.0% | 84.3% | 0.0% | 80.6% | 22.6% | 53.5% | 53.9% | 19.4% | 65.9% | 6.5% |
| | Fall 2010 | 229 | 3.31 | 2.81 | 99.1% | 86.9% | 0.0% | 78.2% | 0.4% | 73.4% | 17.9% | 53.7% | 44.5% | 22.3% | 60.3% | 8.3% |
| | Fall 2011 | 238 | 3.32 | 2.96 | 97.9% | 82.4% | 0.0% | 79.8% | 0.0% | 76.1% | 19.7% | 53.4% | 51.7% | 18.9% | 63.0% | 5.5% |
| Race/ Ethnicity All | Fall 2012 | 261 | 3.25 | 2.82 | 96.6% | 83.5% | 0.0% | 73.6% | 0.4% | 67.4% | 17.2% | 47.5% | 43.7% | 18.0% | 54.4% | 8.0% |
| | Fall 2013 | 287 | 3.30 | 2.89 | 95.8% | 85.4% | 0.0% | 78.7% | 0.7% | 72.1% | 20.9% | 50.5% | 48.1% | 20.2% | 61.3% | 7.7% |
| Ethnicity Detail All | Fall 2014 | 343 | 3.34 | 2.89 | 96.8% | 85.1% | 0.0% | 76.4% | 1.5% | 73.2% | 22.4% | 47.5% | 52.5% | 14.3% | | |
| | Fall 2015 | 283 | 3.28 | 2.78 | 95.4% | 80.2% | 0.0% | 74.2% | 0.0% | 71.0% | 20.8% | 48.8% | | | | |
| Institution of Origin All | Fall 2016 | 278 | 3.45 | 2.84 | 94.2% | 82.7% | 0.0% | 74.8% | 1.4% | 68.3% | | | | | | |
| | Fall 2017 | 278 | 3.47 | 2.95 | 97.1% | 82.4% | 0.0% | 76.3% | | | | | | | | |
| | Fall 2018 | 366 | 3.48 | 2.83 | 97.0% | 85.0% | | | | | | | | | | |
| College at Entry All | Fall 2019 | 327 | 3.52 | 2.93 | 95.7% | | | | | | | | | | | |
| | Grand Total | 3,454 | 3.36 | 2.86 | 96.7% | 84.0% | 0.0% | 76.7% | 0.6% | 72.4% | 19.9% | 50.7% | 48.6% | 18.9% | 60.2% | 7.3% |

Department at Entry
Multiple values

Note: Cohort includes all first-time, full-time freshmen. Entry GPA reflects high school GPA.

Retention and Graduation of Transfers (JCAST)

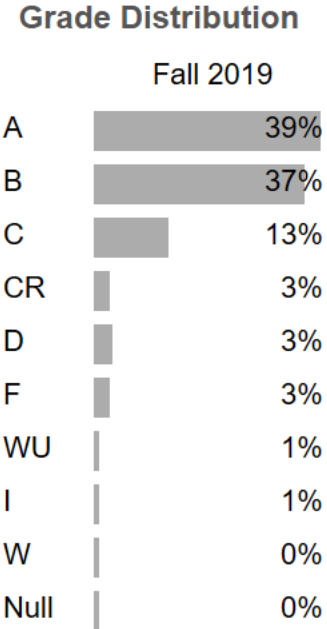
Undergraduate Cohort Retention, Graduation, Persistence

| Cohort Term Fall | | First Time CCC Transfer Cohorts | | | | | | | | | | | | | | |
|--|--------------------|---------------------------------|-------------------|--------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------|
| Entry Cohort | Cohort Size | Avg Entry GPA* | Avg. 1st Term GPA | Retention after 1st Term | Retention after 1 Year | Degree within 2 Years | Contin. after 2 Years | Degree within 3 Years | Contin. after 3 Years | Degree within 4 Years | Contin. after 4 Years | Degree within 5 Years | Contin. after 5 Years | Degree within 6 Years | Contin. after 6 Years | |
| Entry Cohort Multiple values | Fall 2007 | 109 | 2.93 | 2.89 | 91.7% | 87.2% | 21.1% | 67.9% | 54.1% | 18.3% | 67.9% | 6.4% | 74.3% | 1.8% | 76.1% | 0.0% |
| | Fall 2008 | 94 | 2.91 | 2.87 | 97.9% | 89.4% | 12.8% | 72.3% | 48.9% | 26.6% | 70.2% | 9.6% | 75.5% | 6.4% | 77.7% | 3.2% |
| Enrollment Type First Time CCC Transfer | Fall 2009 | 136 | 3.04 | 2.85 | 96.3% | 90.4% | 16.2% | 70.6% | 48.5% | 28.7% | 69.1% | 8.8% | 75.7% | 4.4% | 77.2% | 2.9% |
| | Fall 2010 | 201 | 3.00 | 2.90 | 98.5% | 90.5% | 19.4% | 68.7% | 58.7% | 22.9% | 74.1% | 5.5% | 78.6% | 1.5% | 79.1% | 1.0% |
| | Fall 2011 | 187 | 2.99 | 2.87 | 96.8% | 87.2% | 14.4% | 69.0% | 50.3% | 26.2% | 69.0% | 5.3% | 73.8% | 1.6% | 75.4% | 1.1% |
| Race/ Ethnicity All | Fall 2012 | 178 | 2.98 | 2.84 | 96.1% | 89.3% | 18.5% | 64.6% | 52.8% | 27.0% | 73.0% | 6.7% | 78.7% | 2.2% | 79.8% | 0.6% |
| | Fall 2013 | 271 | 3.01 | 2.89 | 95.6% | 91.9% | 21.8% | 65.3% | 65.7% | 18.5% | 78.6% | 6.6% | 81.9% | 2.6% | 83.4% | 1.1% |
| Ethnicity Detail All | Fall 2014 | 215 | 3.07 | 2.92 | 96.7% | 88.4% | 24.2% | 63.3% | 69.8% | 14.4% | 79.1% | 4.7% | 81.9% | 1.9% | | |
| | Fall 2015 | 210 | 3.06 | 2.92 | 96.2% | 94.3% | 28.6% | 61.9% | 71.9% | 14.8% | 81.0% | 6.7% | | | | |
| Institution of Origin All | Fall 2016 | 228 | 3.10 | 3.00 | 94.3% | 89.0% | 28.9% | 63.6% | 70.6% | 14.0% | | | | | | |
| | Fall 2017 | 222 | 3.08 | 2.96 | 93.7% | 84.7% | 29.3% | 53.6% | | | | | | | | |
| | Fall 2018 | 233 | 3.19 | 3.13 | 96.6% | 93.6% | | | | | | | | | | |
| College at Entry All | Fall 2019 | 204 | 3.25 | 3.17 | 95.1% | | | | | | | | | | | |
| | Grand Total | 2,488 | 3.06 | 2.95 | 95.8% | 89.8% | 22.3% | 64.7% | 61.1% | 20.3% | 74.6% | 6.4% | 78.3% | 2.5% | 79.0% | 1.3% |

Department at Entry
Multiple values

Note: Cohort includes all first-time transfer students from a California community college who transfer in as a sophomore or above. Entry GPA reflects transfer GPA.

Grade Distribution (of all AGBS classes combined):



AGBS Advisory Board Members

| Prefix | First name | Last name | Position | Company | Street address | City | ST | Zip | email | business phone | cell phone | Industry | Position on Board | Term began | Term ends |
|--------|------------|-----------|-----------------------|--------------------------------|------------------------------|------------|----|-------|--|--------------------------|--------------|-----------------------|-------------------|------------|-----------|
| Mr. | Robert | Sahatjian | Farm Manager | Victor Packing Inc. | 11687 Road 27-1/2 | Madera | CA | 93637 | robert@victorpacking.com | 673-5900 | 647-0446 | Raisins | Chair | 7/1/18 | 6/30/21 |
| Ms. | Carol | Gorter | SVP | Bank of America | 19328 E Vino Rd | Reedley | CA | 93654 | carol.gorter@bankofamerica.com | 261-8629 | 240-0083 | Banking | Vice Chair | 7/1/18 | 6/30/21 |
| Mr. | Mark | Dutra | | Ready Roast Nuts | 2310 E Robinwood Ave | Fresno | CA | 93711 | mdutra0808@sbcglobal.net | | 392-6303 | Tree nuts | member | 7/1/18 | 6/30/20 |
| Mr. | Richard | Matoian | Executive Director | American Pistachio | 9 E River Park Pl E Ste 410 | Fresno | CA | 93720 | rmatoian@americanpistachis.org | 475-4576 | | Industry Associations | member | 7/1/18 | 6/30/21 |
| Mr. | Darrin | Monteiro | Director | Ca Dairy, Inc. | 1392 W Ambassador Way | Hanford | CA | 93230 | darrinj7@gmail.com, dmonteiro@californiadairies.com | 233-5154 | 802-8322 | Dairy | member | 7/1/18 | 6/30/20 |
| Mr. | Jeff | Oliver | Owner | Executive Search Consultant | PO Box 27936 | Fresno | CA | 93729 | jeff@oliversc.com | 434-8500 | 288-6698 | Ag Career Consultant | member | 7/1/18 | 6/30/21 |
| Ms. | Jeanette | Ramirez | HR Manager | Gerawan Farms | 7108 N Fresno St, Ste 450 | Fresno | CA | 93720 | j.a.ramirez@gerawan.com | | 906-3129 | Stone fruit | member | 7/1/18 | 6/30/20 |
| Mr. | Russ | Spain | CFO | Landmark Irrigation | 20550 Golden State Blvd | Madera | CA | 93637 | russ@landmarkirrigation.com | 665-3700 | 685-3700 | Irrigation specialist | member | 7/1/18 | 6/30/20 |
| Mr. | Matthew | Tatham | Supervisor and Leader | Netafim USA | 1371 E Via Azzurra Way | Fresno | CA | 93730 | matthewtathamMBA@gmail.com | | 284-5952 | Supply chain | member | 7/1/19 | 6/30/22 |
| Mr. | Tony | Toso | VP and CFO | Edwards, Lien, & Toso, Inc | 8408 N Lander Ave | Hilmar | CA | 95324 | tony@eltappraisers.com | 209-634-9484, ext. 15 | 209-988-4468 | Appraisal | member | 7/1/19 | 6/30/22 |
| Ms. | Donna | Vaughan | | Live Oak Farms | 1622 Cowart Rd | Plant City | FL | 33567 | gstomato@aol.com | | 209-777-5348 | Produce | member | 7/1/18 | 6/30/21 |
| Mr. | Dave | Watkins | SVP | Olam International | 9301 Lacey Blvd | Hanford | CA | 93230 | dave.watkins@olamnet.com | 999-9456 | | Food processing | member | 7/1/18 | 6/30/20 |
| Dr. | Dennis | Nef | Dean | Jordan College, Fresno State | 2415 E San Ramon, MS AS79 | Fresno | CA | 93740 | dennisn@csufresno.edu | 278-2061 | | Education | ex-officio | n/a | n/a |
| Dr. | Sini | Konduru | Chair | AGBS Dept, Fresno State | 5245 N Backer Ave, MS PB101 | Fresno | CA | 93740 | skonduru@csufresno.edu | 278-4434 | 862-9663 | Education | ex-officio | n/a | n/a |
| Dr. | Susan | Pheasant | Director | IFA, Fresno State | 2910 E Barstow Ave, MS OF115 | Fresno | CA | 93740 | spheasant@csufresno.edu | 278-4405 | | Education | ex-officio | n/a | n/a |
| Ms. | Alicidia | Gomes | Executive Director | Ag One, Fresno State | 2910 E Barstow Ave, MS OF115 | Fresno | CA | 93740 | alcidia@csufresno.edu | 278-4266 | | Development | ex-officio | n/a | n/a |
| Ms. | Shannon | Fast | Director | Ag One, Fresno State | 2910 E Barstow Ave, MS OF115 | Fresno | CA | 93740 | sfast@csufresno.edu | 278-4266 | | Development | ex-officio | n/a | n/a |
| Mr. | Kyler | Varin | President | Ag Business Club, Fresno State | 5245 N Backer Ave, MS PB101 | Fresno | CA | 93740 | kvarin53@mail.fresnostate.edu | | | Student club | ex-officio | n/a | n/a |