

SKILLED WORKFORCE SHORTAGE TUITION GRANT & IOWA VOCATIONAL TECHNICAL TUITION GRANT



FY 2021 REPORT



INTRODUCTION

This report provides statewide outcomes for both the Skilled Workforce Shortage Tuition Grant (Kibbie Grant) and the Iowa Vocational-Technical Tuition Grant for fiscal year 2021. The data in the report was compiled by the Iowa College Student Aid Commission (Iowa College Aid) with the assistance of Iowa's 15 community colleges.

SKILLED WORKFORCE SHORTAGE SUMMARY

Preparing Iowans for the future workforce remains a critical focus for the state. Programs that provide financial assistance to help students attain the training required for employment in high-need fields help ease this pathway for Iowans.

According to Iowa Workforce Development, "middle-skill" jobs account for more than half of the state's economy, but only a third of Iowans have the skills that match these jobs. The short-term credentials that often prepare Iowans for such jobs are usually offered by community colleges.

OUTCOMES FOR THE 2020-21 ACADEMIC YEAR

During the 2020-21 academic year, 19,791 Iowans applied for Skilled Workforce Shortage Tuition Grants and Iowa Vocational-Technical Tuition Grants, representing a 4.7 percent increase from 2019-20. Between the two programs, an unduplicated total of 5,053 Iowans received grants, representing about 25.5 percent of applicants. Those recipients, on average, received approximately \$1,238 in grant funding. A breakdown of recipients by college can be found in Appendix A, a summary of recipient demographics in Appendix B, a historical summary of appropriations enacted under both programs in Appendix C, and a breakdown of recipients by program of study in Appendix D.

Due to overlap in the eligibility criteria for both programs, approximately 42.08 percent of Skilled Workforce Shortage Tuition Grant recipients also received an Iowa Vocational-Technical Tuition Grant, and 71.43 percent of Iowa Vocational-Technical Tuition Grant recipients also received a Skilled Workforce Shortage Tuition Grant. The primary difference between the two grants is the programs of study in which a student must enroll to qualify—the Skilled Workforce Shortage Tuition Grant funds only students enrolled in high-demand career/technical education programs of study, while the Iowa Vocational-Technical Tuition Grant provides awards to students enrolled in any career/technical education program.

ELIGIBILITY CRITERIA

Students applying for the Skilled Workforce Shortage Tuition Grant and Iowa Vocational-Technical Tuition Grant had to meet the following general eligibility criteria during the 2020-21 academic year:

- Be an Iowa resident.
- Be enrolled in at least three credit hours at an Iowa community college.
- Complete the Free Application for Federal Student Aid (FAFSA) on or before July 1, 2020.

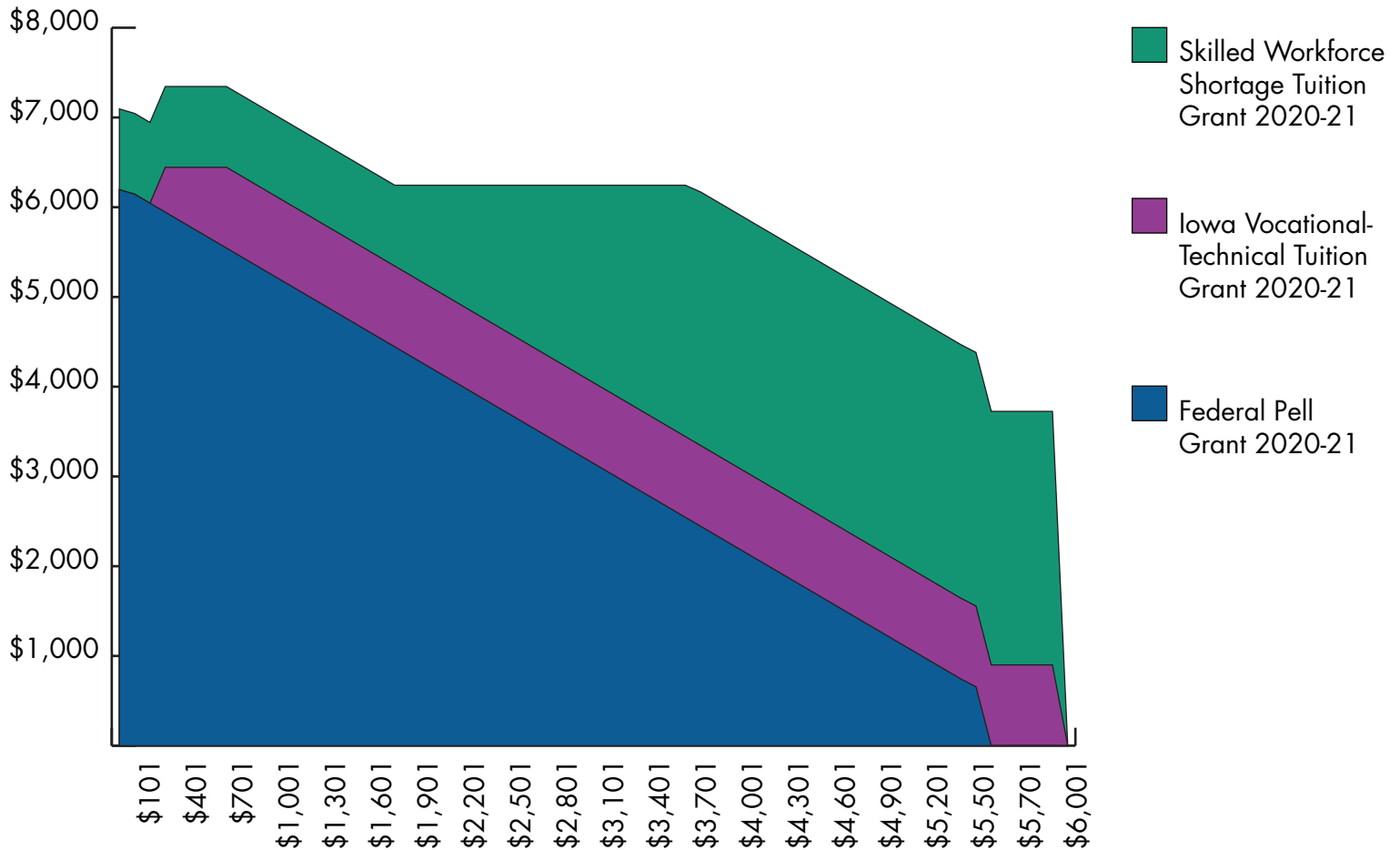
In addition to the general eligibility requirements, applicants had to meet the following program-specific criteria:

Criteria	Skilled Workforce Shortage Tuition Grant	Iowa Vocational-Technical Tuition Grant
Financial Need	Have an Expected Family Contribution (EFC)* of \$0 to \$6,000.	Have an Expected Family Contribution (EFC) of \$201 to \$6,000.
Eligible Programs of Study	Be enrolled in a career/technical education program of study that is aligned with a high-demand job.	Be enrolled in any career/technical education program of study.
Maximum Award	One-half of the average community college tuition and mandatory fees, or \$2,920 for full-time students in 2020-21. Part-time students receive prorated awards.	\$900 for full-time students in 2020-21. Part-time students receive prorated awards.

*The Expected Family Contribution (EFC) is a measure of a family's financial strength and is calculated using data submitted on the FAFSA according to a formula established by federal law. Family size, number of family members in college, assets, taxed and untaxed income, and other benefits (unemployment or Social Security) are considered in the formula. The EFC is used to rank a family's ability to pay for the cost of a postsecondary credential.

AWARDING OF FUNDS

The Skilled Workforce Shortage Tuition Grant and Iowa Vocational-Technical Tuition Grant are awarded in conjunction with the federal Pell Grant in an effort to maximize the amount of grant assistance available for low-income lowans, helping to minimize the cost barrier of attaining a postsecondary education. The interaction between these three programs is shown below.



IMPACT OF GRANT FUNDING

A research study was undertaken in 2017 to determine the impact of the Skilled Workforce Shortage Tuition Grant and Iowa Vocational-Technical Tuition Grant on students' credential attainment rates. The study compared the outcomes of grant recipients to those of a comparison cohort and found that grant recipients were much more likely to earn a credential (48 percent) than those in the comparison cohort (25 percent). In addition, grant recipients who earned a credential did so in an average time of 1.7 years, compared to an average time of 2.3 years to earn a credential for the comparison cohort.

CONCLUSION

As training beyond high school increasingly becomes a standard requirement for most high-demand jobs, the ability to help low-income lowans access and complete these training programs to boost their earnings becomes crucial. The Future Ready Iowa goal that 70 percent of lowans have education or training beyond high school by 2025 will rely, in part, on programs that help make that goal possible for any lowan. Financial aid programs like the Skilled Workforce Shortage Tuition Grant and Iowa Vocational-Technical Tuition Grant have demonstrated the impact they can have on lowans' ability to access and earn postsecondary credentials—benefits that will continue to move Iowa forward for years to come.

APPENDIX A: 2020-21 RECIPIENTS AND EXPENDITURES BY COMMUNITY COLLEGE

College	Skilled Workforce Shortage Tuition Grant		Iowa Vocational-Technical Tuition Grant	
	Recipients	Expenditures	Recipients	Expenditures
Des Moines Area Community College	806	820,281	587	344,206
Eastern Iowa Community College	388	333,581	151	89,985
Hawkeye Community College	344	377,273	190	130,288
Indian Hills Community College	285	343,608	126	83,721
Iowa Central Community College	359	407,741	217	146,028
Iowa Lakes Community College	112	136,617	69	49,521
Iowa Valley Community College	119	153,665	74	55,595
Iowa Western Community College	215	236,656	109	71,729
Kirkwood Community College	716	742,798	484	295,115
North Iowa Area Community College	158	171,710	102	67,249
Northeast Iowa Community College	314	357,888	164	102,087
Northwest Iowa Community College	150	187,717	94	64,971
Southeastern Community College	127	123,233	58	42,043
Southwestern Community College	92	99,612	42	31,724
Western Iowa Tech Community College	150	136,214	85	50,895
TOTALS	4,335*	4,628,594	2,552*	1,625,167

*Some recipients received an award at multiple colleges over the course of the academic year.

APPENDIX B: 2020-21 RECIPIENT DEMOGRAPHICS

Criteria	Skilled Workforce Shortage Tuition Grant	Iowa Vocational-Technical Tuition Grant
Median Age of Recipient	23.70	21.01
Percent of Recipients Below Age 22	43.84%	54.55%
Percent of Recipients Eligible for a Federal Pell Grant	98.15%	95.80%
Percent of Recipients with \$0 EFC	54.38%	0%
Percentage of Recipients who are Male	38.52%	42.78%
Percentage of Recipients who are Female	61.48%	57.22%
Recipient's Parents' Highest Education Level		
Middle School/Jr. high	4.90%	3.43%
High School	36.09%	32.65%
College/Beyond	53.60%	59.97%
Other/Unknown	5.41%	3.95%

**APPENDIX C:
FUNDING HISTORY (LAST FIVE YEARS)**

	Skilled Workforce Shortage Tuition Grant	Iowa Vocational-Technical Tuition Grant
2020-21	\$5,000,000	\$1,750,185
2019-20	\$5,000,000	\$1,750,185
2018-19	\$5,000,000	\$1,750,185
2017-18	\$5,000,000	\$1,750,185
2016-17	\$5,000,000	\$2,250,185

**APPENDIX D:
2020-21 SKILLED WORKFORCE SHORTAGE TUITION GRANT RECIPIENTS
BY PROGRAM OF STUDY**

Program of Study	Recipients*	Expenditures	Percent of Total Expenditures
Nursing [Practical,Nursing-Associate Degree]	1,289	1,224,401	26.45%
Computer Programming, Specific Applications	179	179,201	3.87%
Childcare Provider/Assistant	158	121,425	2.62%
Automotive Mechanic Technician	139	180,396	3.90%
Welding Technology/Welder	137	157,097	3.39%
Medical Assistant Technology	119	97,517	2.11%
Culinary Arts/Chef Training	97	102,986	2.22%
Legal Assistant	96	74,358	1.61%
Diesel Equipment Technology	89	134,149	2.90%
Computer Systems Networking and Telecommunications	82	86,826	1.88%
Administrative Assistant and Secretarial Science, General	75	56,499	1.22%
Dental Assistance	74	89,293	1.93%
Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	74	105,896	2.29%
Network and System Administration/Administrator	73	74,437	1.61%
Health Information/Medical Records Technology	69	62,502	1.35%
Web Page, Digital/Multimedia and Information Resources Design	68	75,639	1.63%
Radiologic Technology	67	96,686	2.09%
Veterinary/Animal Health Technology/Technician and Veterinary Assistant	62	84,397	1.82%
Clinical/Medical Laboratory Technology	57	59,922	1.29%
Dental Hygiene Assistant	54	68,111	1.47%
Electrical, Electronic and Communications Engineering Technology/Technician	54	60,846	1.31%
Emergency Medical Technology/Technician (EMT)	54	52,137	1.13%
Physical Therapist Assistant	51	58,475	1.26%
Computer and Information Systems Security/Information Assurance	48	46,773	1.01%
Carpentry Technology	47	61,575	1.33%
Respiratory Care Therapy/Therapist	43	44,879	0.97%
Surgical Technology	39	43,393	0.94%
Electromechanical Technology/Electromechanical Engineering Technology	38	47,327	1.02%
Industrial Electronics Technology/Technician	38	58,095	1.26%
Farm Equipment and Diesel Technology	37	56,260	1.22%
Occupational Therapist Assistant	37	49,111	1.06%
Sustainable Agriculture & Entrepreneurship	37	51,482	1.11%
Prepress/Desktop Publishing and Digital Imaging Design	34	33,157	0.72%
Web Development	34	44,228	0.96%

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APPENDIX D (CONTINUED)

Program of Study	Recipients*	Expenditures	Percent of Total Expenditures
Machine Tool Technology/Machinist	33	42,619	0.92%
Auto Collision Repair/Refinish	32	43,052	0.93%
Electrician	32	43,076	0.93%
Computer Support Specialist	30	24,887	0.54%
Animal/Livestock Husbandry and Production	28	40,461	0.87%
Energy Management and Systems Technology/Technician	27	35,645	0.77%
Agribusiness/Agricultural Business Operations	25	27,173	0.59%
Construction Management	25	27,131	0.59%
Industrial Mechanics and Maintenance Technology	25	27,190	0.59%
Medical Insurance Coding Specialist/Coder	24	28,940	0.63%
Architectural Drafting and Architectural CAD/CADD	23	23,821	0.51%
Mechanical Drafting and Mechanical Drafting CAD/CADD	23	33,916	0.73%
Fire Science	20	25,893	0.56%
Cyber/Computer Forensics and Counterterrorism	19	23,084	0.50%
Digital Communication and Media/Multimedia	18	24,370	0.53%
Power Line Technology	18	20,310	0.44%
Computer Programming/Programmer	17	12,230	0.26%
Aviation Maintenance Technology	16	18,775	0.41%
Baking and Pastry Arts	15	16,070	0.35%
Health/Health Care Administration/Management	15	10,228	0.22%
Hospitality Management	15	11,349	0.25%
Tool and Die Technology/Technician	15	19,929	0.43%
Civil Engineering Technology/Technician	14	18,545	0.40%
Real Time Reporting/Court Reporting	14	16,867	0.36%
Pharmacy Technician	12	6,704	0.14%
Water Quality and Wastewater Treatment Management and Recycling Technology/Technician	12	17,421	0.38%
Automation Engineer Technology/Technician	11	11,739	0.25%
Electroneurodiagnostic Technology	11	10,187	0.22%
Information Technology	11	12,832	0.28%
Electrical and Power Transmission Installers, Other	10	10,125	0.22%
Culinary Arts and Hospitality Management	8	7,723	0.17%
Plumbing Systems	8	10,970	0.24%
Construction Equipment Operation	7	8,768	0.19%
Robotics Technology/Technician	7	10,536	0.23%
Computer/Information Technology Services Administration and Management, Other	6	6,177	0.13%
Diagnostic Cardiac/Medical Sonography	5	5,310	0.11%
Engineering Technology	5	4,610	0.10%
Gunsmith Technology	5	9,330	0.20%

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APPENDIX D (CONTINUED)

Program of Study	Recipients*	Expenditures	Percent of Total Expenditures
Modeling, Virtual Environments and Simulations	5	8,293	0.18%
Construction Technology	4	6,076	0.13%
Early Childhood Education and Teaching	4	2,250	0.05%
Logistics/Supply Chain Technician	4	2,669	0.06%
Professional Pilot/Flight Crew Technology	4	3,935	0.09%
Aviation and Airport Management	3	5,395	0.12%
Manufacturing Engineering Technology/Technician	3	2,363	0.05%
Communications Systems Installation and Repair Technology	2	1,350	0.03%
Health Safety & Environmental Technology	2	1,126	0.02%
Mechanical Engineering/Mechanical Technology/Technician	2	4,045	0.09%
Biotechnology	1	338	0.01%
CAD/CADD Drafting and/or Design Technology/Technician	1	3,285	0.07%
GRAND TOTAL	4,325	4,628,594	100.00%

*This chart reflects the number of unduplicated Kibbie Grant recipients and the corresponding expenditures by program of study. Recipients and expenditures are associated to the program of study tied to each recipient's first Kibbie Grant in 2020-21.