

SKILLED WORKFORCE SHORTAGE TUITION GRANT & IOWA VOCATIONAL TECHNICAL TUITION GRANT



FY 2022 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 2022. 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 2021-22 ACADEMIC YEAR

During the 2021-22 academic year, 19,360 Iowans applied for Skilled Workforce Shortage Tuition Grants and Iowa Vocational-Technical Tuition Grants, representing a 3 percent decrease from 2020-21. Between the two programs, an unduplicated total of 4,998 Iowans received grants, representing about 25.8 percent of applicants. Those recipients, on average, received approximately \$1,405 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 43.27 percent of Skilled Workforce Shortage Tuition Grant recipients also received an Iowa Vocational-Technical Tuition Grant, and 72.68 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 2021-22 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, 2021.

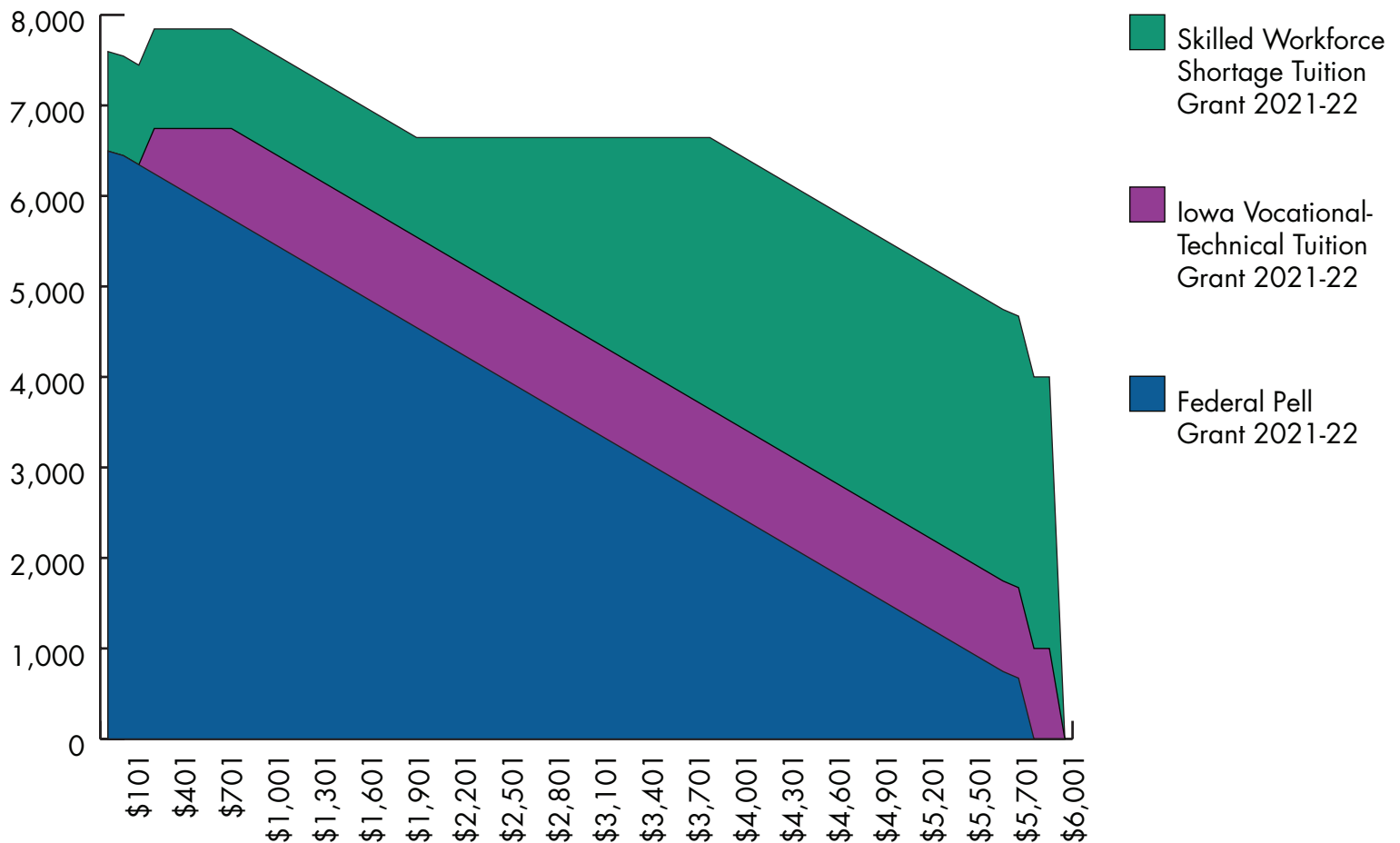
In addition to the general eligibility requirements, applicants had to meet the following program-specific criteria:

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 \$3,000 for full-time students in 2021-22. Part-time students receive prorated awards.	\$1,000 for full-time students in 2021-22. 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	790	948,902	612	384,478
Eastern Iowa Community College	414	421,282	173	122,096
Hawkeye Community College	313	382,063	180	132,638
Indian Hills Community College	287	367,935	130	96,235
Iowa Central Community College	332	400,557	191	139,478
Iowa Lakes Community College	90	112,398	69	49,521
Iowa Valley Community College	99	135,121	67	57,724
Iowa Western Community College	215	269,550	127	89,831
Kirkwood Community College	743	887,767	463	320,508
North Iowa Area Community College	149	185,824	81	60,325
Northeast Iowa Community College	288	356,465	147	104,003
Northwest Iowa Community College	152	198,259	81	60,401
Southeastern Community College	126	152,608	59	44,424
Southwestern Community College	114	167,711	55	50,300
Western Iowa Tech Community College	200	230,626	132	92,257
TOTALS	4,312*	5,217,068	2,567*	1,804,219

*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	23.65	21.39
Percent of Recipients Below Age 22	43.19%	53.46%
Percent of Recipients Eligible for a Federal Pell Grant	99.04%	97.93%
Percent of Recipients with \$0 EFC	52.55%	0%
Percentage of Recipients who are Male	39.87%	43.61%
Percentage of Recipients who are Female	60.13%	56.39%
Recipient's Parents' Highest Education Level		
Middle School/Jr. high	5.22%	3.75%
High School	36.27%	32.94%
College/Beyond	52.35%	58.69%
Other/Unknown	6.16%	4.62%

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

	Skilled Workforce Shortage Tuition Grant	Iowa Vocational-Technical Tuition Grant
2021-22	\$5,000,000	\$1,750,185
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]	1,170	1,270,622	24.36%
Automotive Mechanic Technician	178	236,196	4.53%
Computer Programming, Specific Applications	174	175,281	3.36%
Childcare Provider/Assistant	149	129,229	2.48%
Welding Technology/Welder	146	191,578	3.67%
Medical Assistant Technology	126	137,118	2.63%
Computer Systems Networking and Telecommunications	92	116,603	2.24%
Culinary Arts/Chef Training	87	98,611	1.89%
Diesel Equipment Technology	86	145,221	2.78%
Web Page, Digital/Multimedia and Information Resources Design	77	84,056	1.61%
Legal Assistant	77	75,776	1.45%
Health Information/Medical Records Technology	76	67,711	1.30%
Veterinary/Animal Health Technology/Technician and Veterinary Assistant	74	101,806	1.95%
Dental Assistance	72	97,788	1.87%
Emergency Medical Technology/Technician (EMT)	72	79,368	1.52%
Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	66	110,450	2.12%
Radiologic Technology	64	105,318	2.02%
Administrative Assistant and Secretarial Science, General	63	55,483	1.06%
Network and System Administration/Administrator	62	83,576	1.60%
Carpentry Technology	61	89,305	1.71%
Prepress/Desktop Publishing and Digital Imaging Design	53	83,327	1.60%
Dental Hygiene Assistant	53	73,859	1.42%
Respiratory Care Therapy/Therapist	53	72,804	1.40%
Clinical/Medical Laboratory Technology	52	67,608	1.30%
Electromechanical Technology/Electromechanical Engineering Technology	48	56,751	1.09%
Auto Collision Repair/Refinish	45	63,803	1.22%
Electrical, Electronic and Communications Engineering Technology/Technician	45	60,573	1.16%
Computer and Information Systems Security/Information Assurance	43	44,852	0.86%
Surgical Technology	41	50,228	0.96%
Web Development	38	48,279	0.93%
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
Electrician	37	57,100	1.09%
Physical Therapist Assistant	37	40,563	0.78%
Animal/Livestock Husbandry and Production	36	45,961	0.88%
Cyber/Computer Forensics and Counterterrorism	35	44,880	0.86%
Sustainable Agriculture & Entrepreneurship	34	50,561	0.97%
Agribusiness/Agricultural Business Operations	32	38,586	0.74%
Occupational Therapist Assistant	31	50,065	0.96%
Computer Support Specialist	31	34,928	0.67%
Farm Equipment and Diesel Technology	29	48,214	0.92%
Machine Tool Technology/Machinist	29	44,818	0.86%
Construction Management	28	38,213	0.73%
Architectural Drafting and Architectural CAD/CADD	28	32,388	0.62%
Industrial Electronics Technology/Technician	27	44,197	0.85%
Automation Engineer Technology/Technician	27	37,478	0.72%
Computer Programming/Programmer	27	20,315	0.39%
Mechanical Drafting and Mechanical Drafting CAD/CADD	25	40,414	0.77%
Health/Health Care Administration/Management	23	25,502	0.49%
Energy Management and Systems Technology/Technician	22	33,443	0.64%
Industrial Mechanics and Maintenance Technology	21	22,060	0.42%
Medical Insurance Coding Specialist/Coder	18	17,192	0.33%
Civil Engineering Technology/Technician	17	27,256	0.52%
Water Quality and Wastewater Treatment Management and Recycling Technology/Technician	17	25,389	0.49%
Fire Science	17	22,214	0.43%
Power Line Technology	16	29,965	0.57%
Digital Communication and Media/Multimedia	16	18,803	0.36%
Tool and Die Technology/Technician	15	28,289	0.54%
Electrical and Power Transmission Installers, Other	15	21,962	0.42%
Real Time Reporting/Court Reporting	13	20,565	0.39%
Aviation Maintenance Technology	12	16,450	0.32%
Electroneurodiagnostic Technology	12	8,698	0.17%
Pharmacy Technician	11	9,363	0.18%
Plumbing Systems	9	16,450	0.32%
Culinary Arts and Hospitality Management	9	13,113	0.25%
Early Childhood Education and Teaching	9	10,563	0.20%
Baking and Pastry Arts	9	9,451	0.18%
Robotics Technology/Technician	8	15,713	0.30%
Laser and Optical Technology/Technician	8	10,873	0.21%
Hospitality Management	8	6,576	0.13%

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APPENDIX D (CONTINUED)

Program of Study	Recipients*	Expenditures	Percent of Total Expenditures
Aviation and Airport Management	7	10,287	0.20%
Modeling, Virtual Environments and Simulations	6	7,539	0.14%
Social Work	6	6,439	0.12%
Communications Systems Installation and Repair Technology	6	5,650	0.11%
Gunsmith Technology	5	7,750	0.15%
Information Technology	5	5,488	0.11%
Computer/Information Technology Services Administration and Management, Other	4	3,501	0.07%
Diagnostic Cardiac/Medical Sonography	3	3,150	0.06%
Engineering Technology	3	2,750	0.05%
Logistics/Supply Chain Technician	3	826	0.02%
Construction Equipment Operation	2	3,713	0.07%
Health Safety & Environmental Technology	2	2,425	0.05%
Professional Pilot/Flight Crew Technology	2	1,025	0.02%
Mechanical Engineering/Mechanical Technology/Technician	1	2,300	0.04%
Construction Technology	1	1,100	0.02%
Game and Interactive Media Design	1	824	0.02%
CAD/CADD Drafting and/or Design Technology/Technician	1	550	0.01%
GRAND TOTAL	4,299	5,217,068	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.