



**GREAT FALLS  
COLLEGE**

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**MONTANA STATE  
UNIVERSITY**

## Academic Program Snapshots

AY 2020-21

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## Program Snapshot Legend

**On each Program Snapshot, programs will be assessed in terms of 11 variables organized into four different sections:**

*(You can find the specific definitions of these variables on the Data Definitions page.)*

### Employment Outlook

- Annual median salary of program graduates\*
- Percent of program graduates employed in-state
- Number of annual job openings within field in-state\*
- Percent projected change in job openings\*

### Enrollment Outlook

- Average annual full-time equivalent (FTE)\*
- Unduplicated headcount
- Transfer rate
- Retention rate\*

### Degrees Granted & Financial Impact

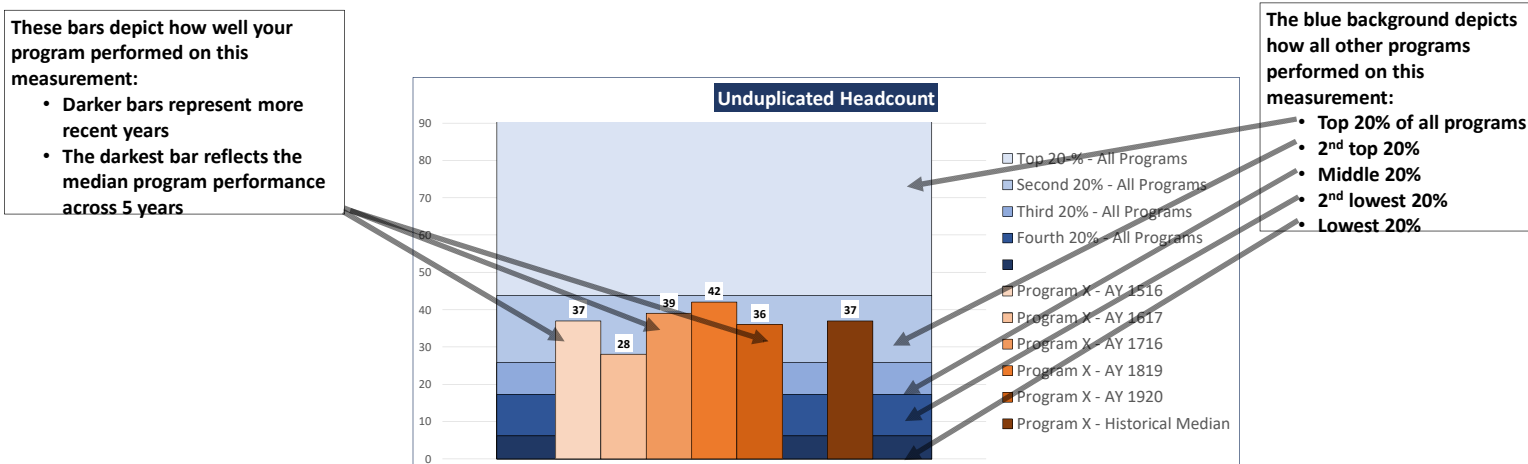
- Number of degrees granted\*
- Financial impact per FTE\*

### Program Total Score

- Weighted total score as determined the Internal Program Review Committee
- Those items marked with an asterisk above are those included in this total score.
- (For more information with regard to score calculation, please refer to the Explanation of Program Total Scores page)*

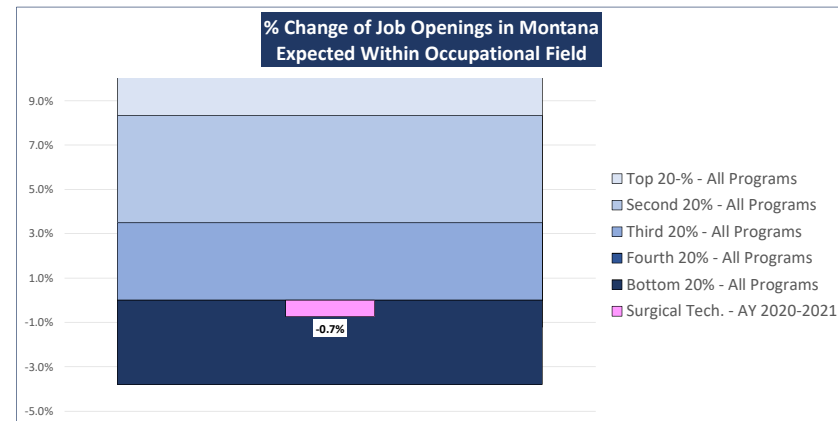
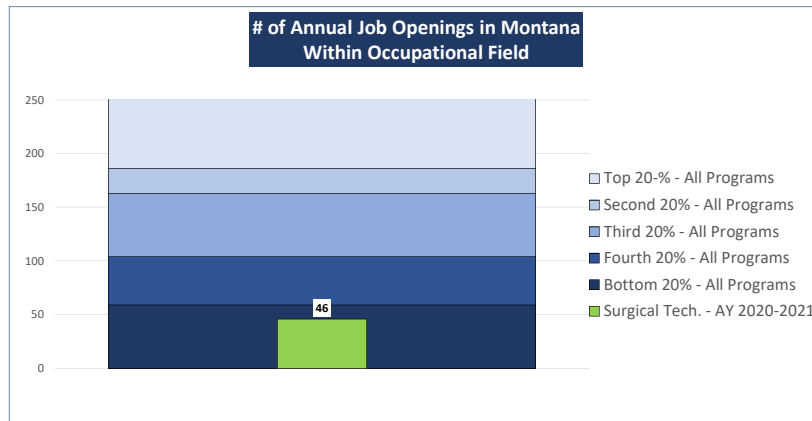
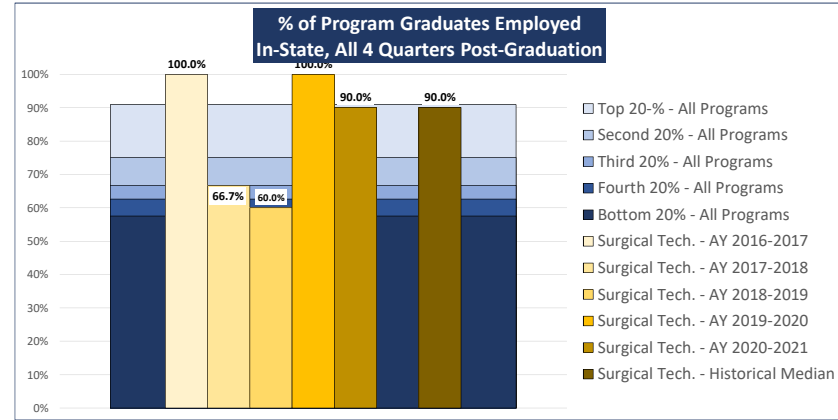
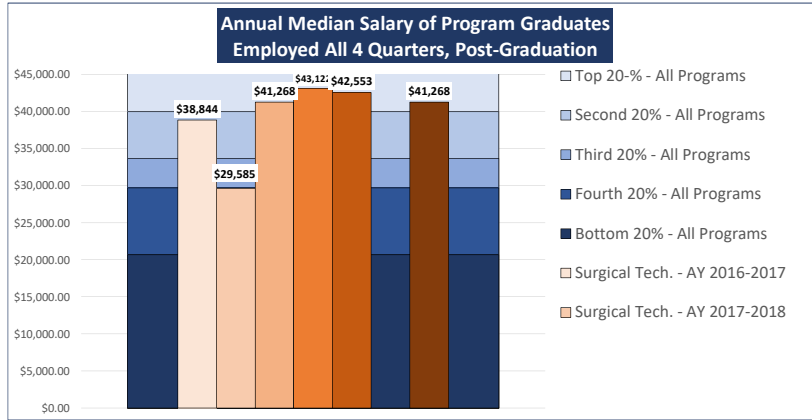
*\*Indicates variables considered in total program scores as part of internal academic program review.*

**Program performance on each of these variables are graphed. The way you can interpret those graphs are explained below.**



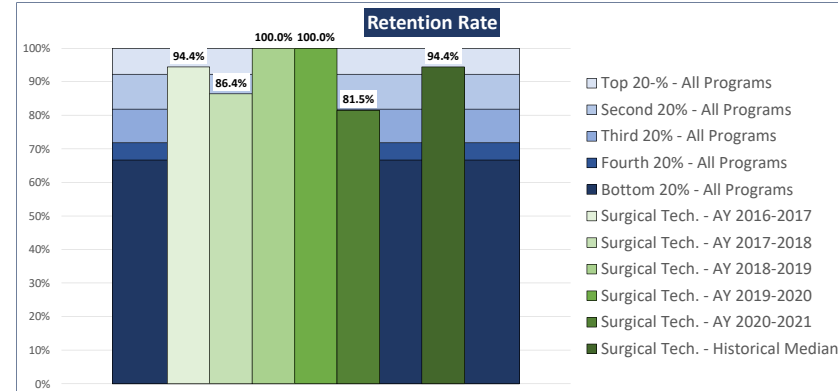
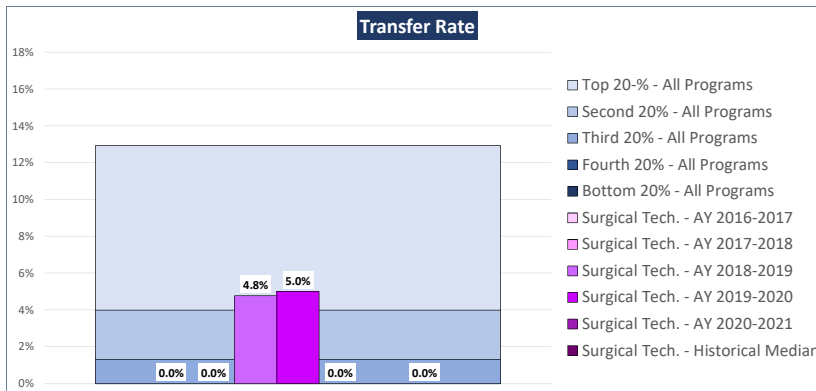
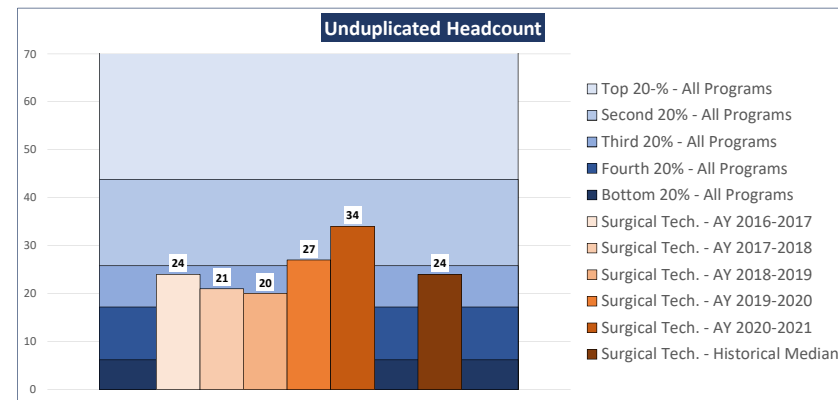
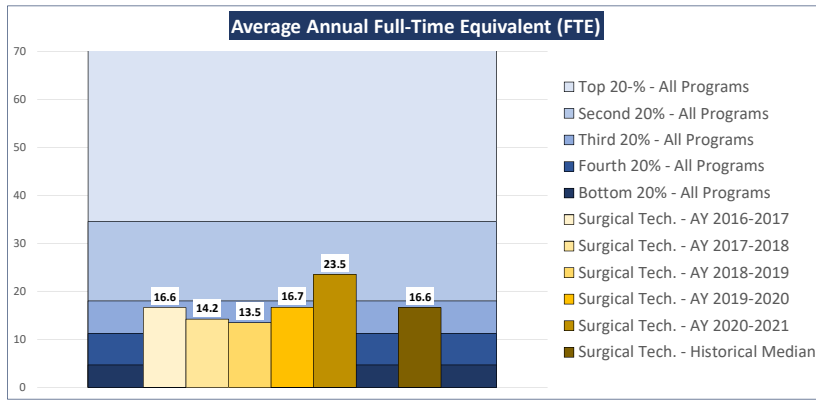
### Summary:

∅ Descriptions of the programs performance comparing their historical median to the median of all programs at GFC MSU.



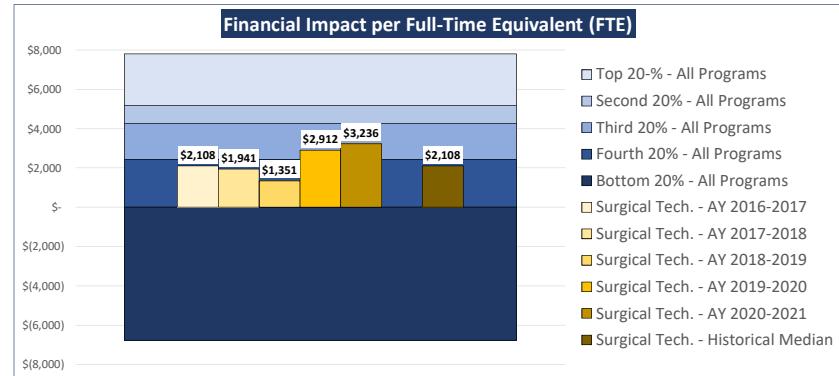
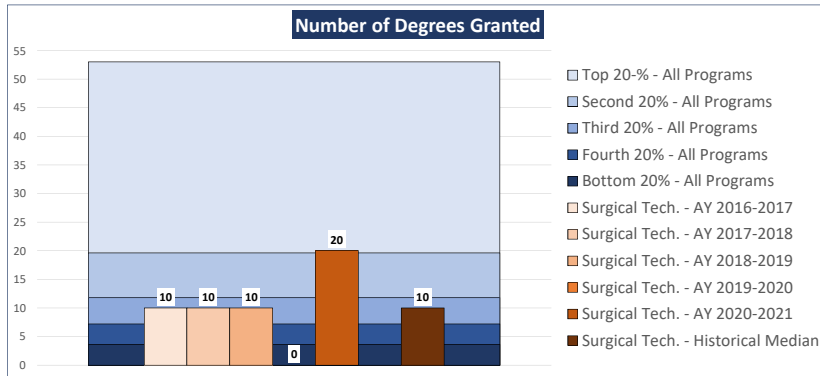
**Summary:**

- ◇ Program graduates earned more than the median amount of all programs' graduates at GFC MSU and within the top 20% of all programs.
- ◇ Program graduates were more likely to be employed all four quarters within the state of Montana the year after graduation compared to the median for all programs at GFC MSU.
- ◇ The number of total annual job openings in Montana in the program area was less than the median of all programs' occupational openings at GFC MSU.
- ◇ The percent change expected within the occupational field was less than the median of all programs at GFC MSU.



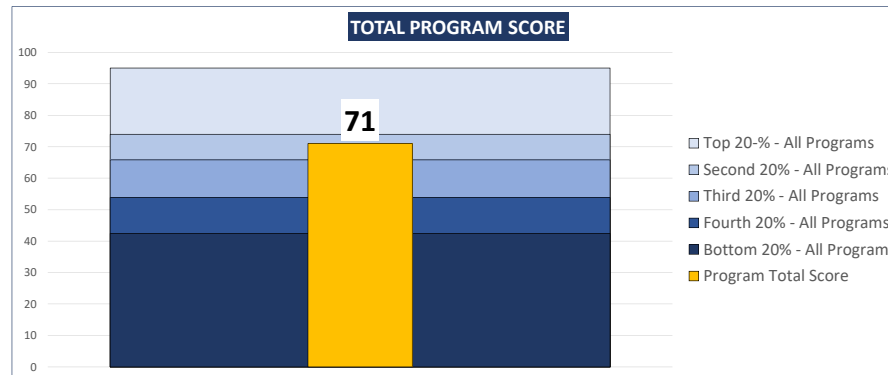
**Summary:**

- ◊ Average Annual FTE of program students was similar to the median of all programs at GFC MSU.
- ◊ Unduplicated headcount of program students was similar to the median of all programs at GFC MSU.
- ◊ The transfer rate of program students was equal to the median of all programs at GFC MSU.
- ◊ The retention rate of program students was greater than the median for all programs at GFC MSU and within the top 20% of all programs at GFC MSU.
- ◊ Note: Enrollment (headcount & FTE), retention, and transfer rates only include students who declared this program as their 1st (primary) major



**Summary:**

- ◊ The number of degrees granted to program students was similar to the median of all programs at GFC MSU.
- ◊ The financial impact per full-time equivalent student was below the median of all programs at GFC MSU and within the bottom 40% of all programs.



**Summary:**

- ◊ The total score based upon internal program review criteria was above median of all other programs at GFC MSU and within the top 40% of all programs.

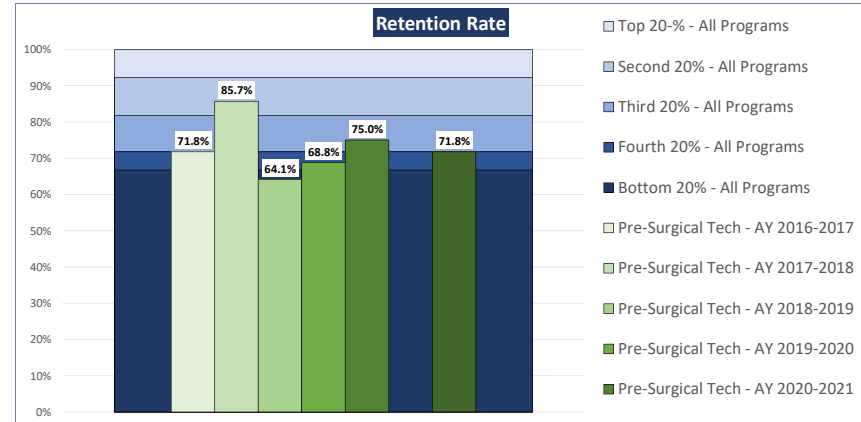
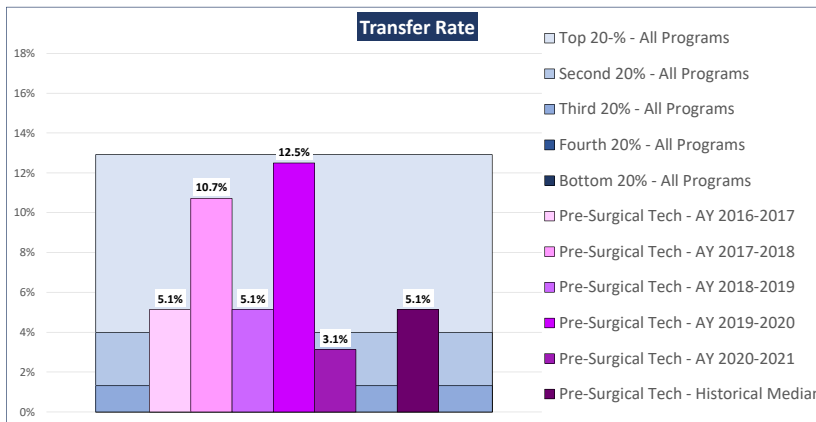
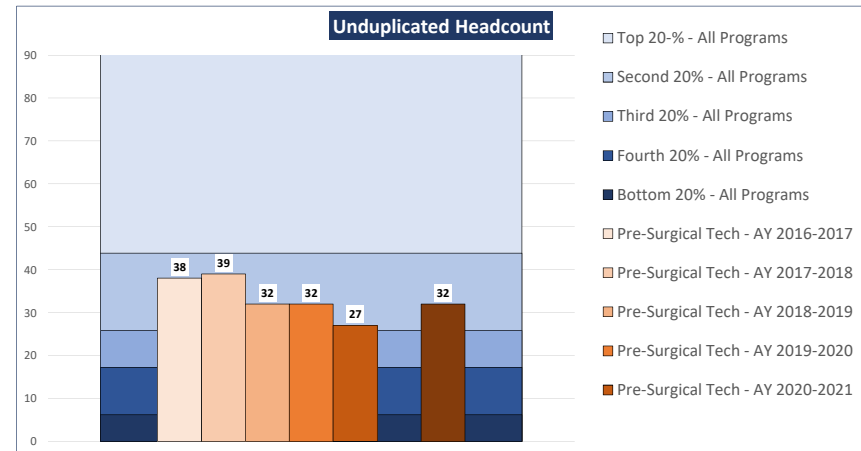
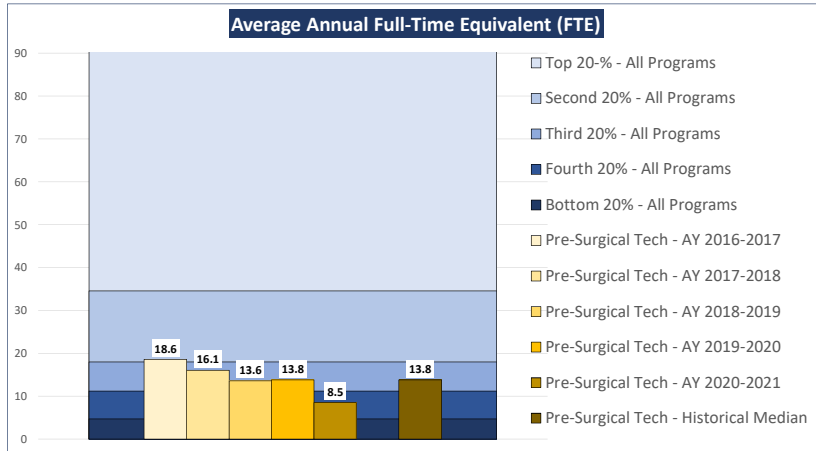
Surgical Tech. SURG AY 2020-21

Program Summary		MT Job Openings	MT Job Openings - % Change	Number of Degrees Granted	% of Grads Employed All 4 Quarters*	Annual Median Salary of Grads*	Ave. Annual FTE	Unduplicated Headcount	Retention Rate**	Transfer Rate***	Financial Impact per FTE	TOTAL PROGRAM SCORE	
Annual Program Metrics	Surgical Tech. - AY 2020-2021	46	-0.7%	20	90.0%	\$42,553	23.5	34	81.5%	0.0%	\$ 3,236.07	71	
	Surgical Tech. - AY 2019-2020			0	100.0%	\$43,122	16.7	27	100.0%	5.0%	\$ 2,911.93		
	Surgical Tech. - AY 2018-2019			10	60.0%	\$41,268	13.5	20	100.0%	4.8%	\$ 1,351.36		
	Surgical Tech. - AY 2017-2018			10	66.7%	\$29,585	14.2	21	86.4%	0.0%	\$ 1,940.59		
	Surgical Tech. - AY 2016-2017			10	100.0%	\$38,844	16.6	24	94.4%	0.0%	\$ 2,107.76		
Program Review Score	Surgical Tech. - Historical Median	46	-0.7%	10	90.0%	\$41,268	16.6	24	94.4%	0.0%	\$ 2,107.76		
	Program Score for Each Metric (1-5)	1	3	3		5	3		5		2		
	Metric Weight in Final Score (100 pt Scale)	5	5	30		15	10		30		5		
	Weighted Program Score for Each Metric	1	3	18		15	6		30		2		
All Program Quintiles	All Programs MEDIAN	127	0.3%	9	65%	\$30,844	15.7	23	78%	0.0%	\$ 2,829.34		63
	Bottom 20% - All Programs	<= 59	<= -3.8%	<= 3.6	<= 57.55%	<= \$20646	<= 4.68	<= 6.2	<= 66.7%	0.0%	<= \$ -67.02	<= 42.4	
	Fourth 20% - All Programs	59.1 - 104.0	-3.7% - -1.2%	3.7 - 7.2	57.7% - 62.7%	\$20646.10 - \$29678.5	4.8 - 11.2	6.3 - 17.2	66.8% - 71.8%	0.0%	\$ -66.90 - \$2424.34	42.5 - 53.8	
	Third 20% - All Programs	104.1 - 163.0	-1.1% - 3.5%	7.3 - 11.8	62.8% - 66.7%	\$29678.60 - \$33663.6	11.3 - 18.0	17.3 - 25.8	71.9% - 81.8%	0.1% - 1.3%	\$2424.40 - \$4278.77	53.9 - 65.8	
	Second 20% - All Programs	163.1 - 186.0	3.6% - 8.3%	11.9 - 19.6	66.8% - 75.1%	\$33663.70 - \$39955.60	18.1 - 34.5	25.9 - 43.8	81.9% - 92.3%	1.4% - 4.0%	\$4278.90 - \$5178.98	65.9 - 74	
	Top 20% - All Programs	186.1 - 925.0	8.4% - 17.3%	19.7 - 53	75.2% - 90.9%	\$39955.70 - \$51415	34.6 - 189.1	43.9 - 340	92.4% - 100%	4.1% - 12.9%	\$5179.10 - \$7806.11	74.1 - 95	

\* Measurement on the graduating class two years prior and their earnings and placement the year after their graduation

\*\* Measurement on the retention rate is on the previous years headcount and whether they were retained by the current year's fall semester

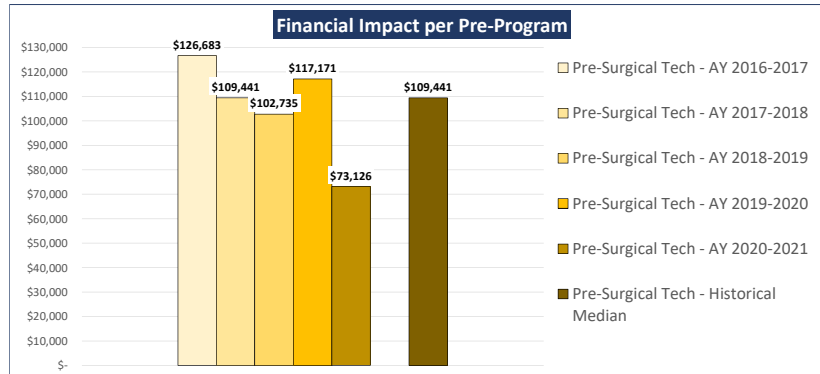
\*\*\* Measurement of transfer rate is on the previous years headcount and whether they have transferred by the current year's fall semester. This measurement contributes to the total score for Gen. Edu. programs only



**Summary:**

- ∅ Average Annual FTE of pre-program students was similar to the median of all programs at GFC MSU.
- ∅ Unduplicated headcount of pre-program students was above median of all programs at GFC MSU.
- ∅ The transfer rate of pre-program students was above the median of all programs at GFC MSU.
- ∅ The retention rate of pre-program students was below the median for all programs at GFC MSU.
- ∅ Note: Enrollment (headcount & FTE), retention, and transfer rates only include students who declared this pre-program as their 1st (primary) major





Pre-Surgical Tech SURP AY 2020-21

Program Summary		MT Job Openings	MT Job Openings - % Change	Number of Degrees Granted	% of Grads Employed All 4 Quarters*	Annual Median Salary of Grads*	Ave. Annual FTE	Unduplicated Headcount	Retention Rate**	Transfer Rate***	Financial Impact per FTE	TOTAL PROGRAM SCORE	
Annual Program Metrics	Pre-Surgical Tech - AY 2020-2021						8.5	27	75.0%	3.1%	\$ 73,125.88		
	Pre-Surgical Tech - AY 2019-2020						13.8	32	68.8%	12.5%	\$ 117,170.58		
	Pre-Surgical Tech - AY 2018-2019						13.6	32	64.1%	5.1%	\$ 102,734.59		
	Pre-Surgical Tech - AY 2017-2018						16.1	39	85.7%	10.7%	\$ 109,441.28		
	Pre-Surgical Tech - AY 2016-2017						18.6	38	71.8%	5.1%	\$ 126,682.53		
Pre-Surgical Tech - Historical Median							13.8	32	71.8%	5.1%	\$ 109,441.28		
Program Review Score	Program Score for Each Metric (1-5)						3		3		FALSE		
	Metric Weight in Final Score (100 pt Scale)						10		30		5		
	Weighted Program Score for Each Metric						6		18		FALSE		
All Program Quintiles	All Programs MEDIAN	127	0.3%	9	65%	\$30,844	15.7	23	78%	0.0%	\$ 2,829.34		63
	Bottom 20% - All Programs	<= 59	<= -3.8%	<= 3.6	<= 57.55%	<= \$20646	<= 4.68	<= 6.2	<= 66.7%	0.0%	<= \$ -67.02		<= 42.4
	Fourth 20% - All Programs	59.1 - 104.0	-3.7% - -1.2%	3.7 - 7.2	57.7% - 62.7%	\$20646.10 - \$29678.50	4.8 - 11.2	6.3 - 17.2	66.8% - 71.8%	0.0%	\$ -66.90 - \$2424.34		42.5 - 53.8
	Third 20% - All Programs	104.1 - 163.0	-1.1% - 3.5%	7.3 - 11.8	62.8% - 66.7%	\$29678.60 - \$33663.60	11.3 - 18.0	17.3 - 25.8	71.9% - 81.8%	0.1% - 1.3%	\$2424.40 - \$4278.77		53.9 - 65.8
	Second 20% - All Programs	163.1 - 186.0	3.6% - 8.3%	11.9 - 19.6	66.8% - 75.1%	\$33663.70 - \$39955.60	18.1 - 34.5	25.9 - 43.8	81.9% - 92.3%	1.4% - 4.0%	\$4278.90 - \$5178.98	65.9 - 74	
	Top 20% - All Programs	186.1 - 925.0	8.4% - 17.3%	19.7 - 53	75.2% - 90.9%	\$39955.70 - \$51415.00	34.6 - 189.1	43.9 - 340	92.4% - 100%	4.1% - 12.9%	\$5179.10 - \$7806.11	74.1 - 95	

\* Measurement on the graduating class two years prior and their earnings and placement the year after their graduation

\*\* Measurement on the retention rate is on the previous years headcount and whether they were retained by the current year's fall semester

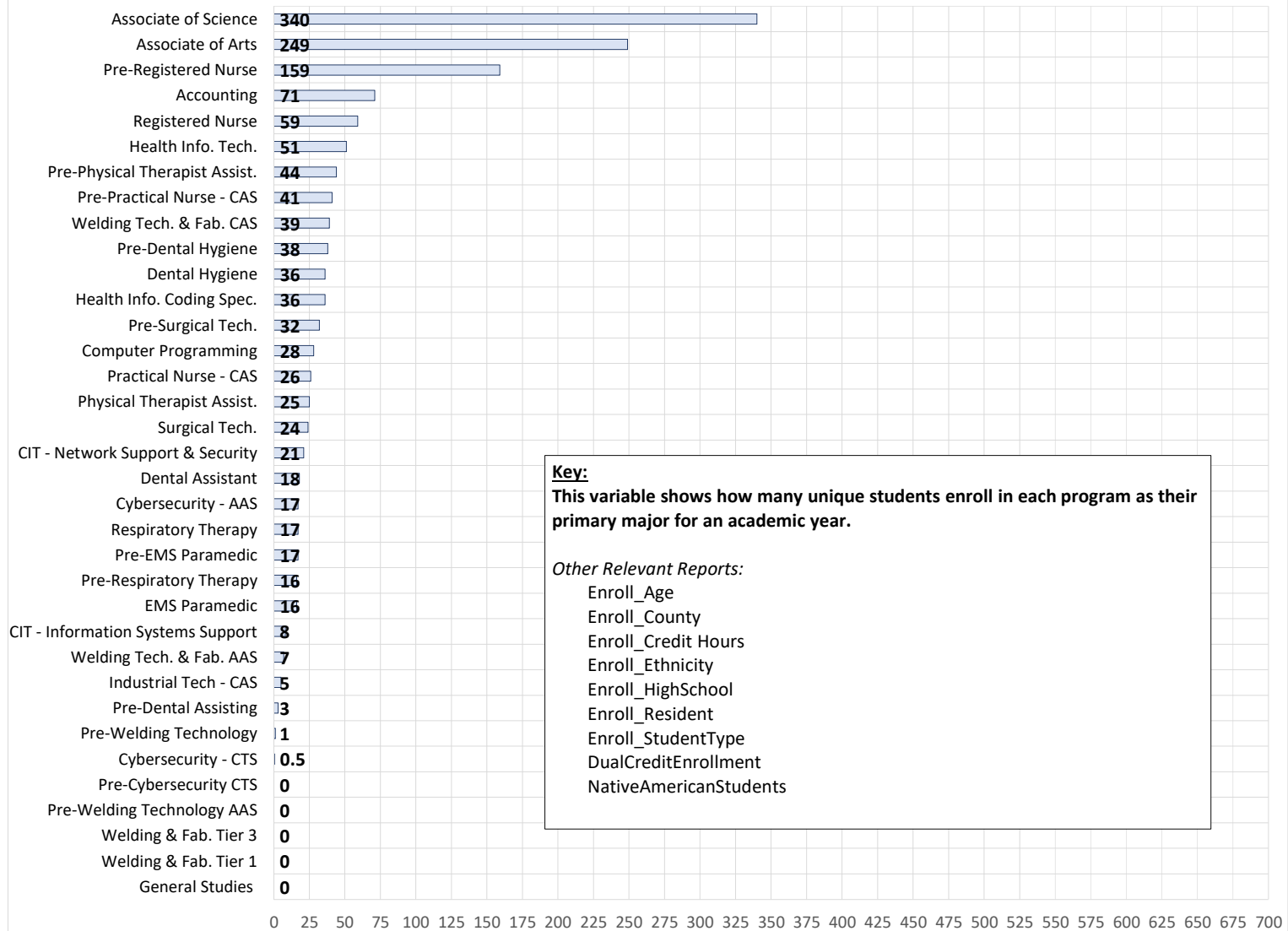
\*\*\* Measurement of transfer rate is on the previous years headcount and whether they have transferred by the current year's fall semester. This measurement contributes to the total score for Gen. Edu. programs only

## Data Definitions

<b>Academic Year</b>	<i>Summer, Fall, and Spring terms (i.e. AY 2020-2021 includes Summer 2020, Fall 2020, and Spring 2021).</i>
<b>Program</b>	<i>A course of study that leads to a specific degree/certificate and occupational industry that students declare as their intended academic goal.</i>
<b>Pre-Program</b>	<i>A course of study consisting of pre-requisite courses to be completed before students can enter an academic program.</i>
<b>MT Job Openings - % Change</b>	<i>Percentage change in the number of jobs in the occupation between the two-year window indicated (Source: Economic Modeling Specialists, Inc. using data sourced from the Dept. of Labor &amp; Industry).</i>
<b>Total Annual Openings</b>	<i>The number of currently projected job openings (both replacement and new openings) per year during the two years indicated (Source: Economic Modeling Specialists, Inc. using data sourced from the Dept. of Labor &amp; Industry).</i>
<b>Unduplicated Headcount</b>	<i>Count of all unique students who were enrolled in each program as their primary major, as of the end of the terms, within the academic year. If any student changed their program during the academic year then they will be accounted for in all of the programs that they were declared.</i>
<b>Number of Degrees Granted</b>	<i>Number of degrees granted within the academic year.</i>
<b>Median Graduate Salary</b>	<i>Median salaries among those employed all four quarters within the state of Montana during the year following their graduation. Each year's metric tracks employment of the graduates from 2 academic years prior, not necessarily employed in-field. Data from MT Dept. of Labor &amp; Industry tracked by each graduate's social security number.</i>
<b>Job Placement Rate</b>	<i>The percent of program graduates employed all four quarters within the state of Montana, during the year following their graduation. Each year's metric tracks employment of the graduates from 2 academic years prior, not necessarily employed in-field. Data from MT Dept. of Labor &amp; Industry tracked by each graduate's social security number.</i>
<b>Transfer Rate</b>	<i>The proportion of program students from an academic year who subsequently transferred to any institution as of census date in the fall of the next academic year. Each year's metric tracks the students from the previous academic year to identify the proportion that transferred by the fall term of the current academic year.</i>
<b>Average Annual FTE</b>	<i>Sum of Summer, Fall, and Spring program FTE divided by 2. [FTE is the total number of credits divided by 15.]</i>
<b>Retention Rate</b>	<i>The proportion of program students during summer, fall, or spring terms who (1) were still enrolled for at least one credit as of census date in the fall of the next academic year, or (2) had completed a degree before the subsequent fall semester of the next academic year, or (3) had transferred to another institution to continue their higher education. Each year's metric tracks the students from the previous academic year to identify the proportion that were retained by the fall term of the current academic year.</i>
<b>Financial Impact per FTE</b>	<i>Annual program revenue minus program expenses, then divided by the average annual program FTE. Roughly determines the amount of money the college gains or loses per program FTE that year. Beginning in AY 2020-21, overhead costs were included in the calculation.</i>
<b>Financial Impact per Pre-Program</b>	<i>Annual program revenue minus program expenses for the pre-program (all students enrolled in the pre-program). Roughly determines the amount of money the college gains or loses per pre-program, on the whole. Beginning in AY 2020-21, overhead costs were included in the calculation.</i>
<b>Note about missing data</b>	<i>Sometimes programs have not been in place long enough to have collected data on a particular metric. For instance, wages of program graduates can take a number of years before the first set of data can be reported. When there are no data to report for a particular measurement, then there is a zero recorded. This is a 'false' zero in that the program did not perform poorly, but no performance could be measured. On the other hand, programs have meaningful zeros when measurements could be assessed and the program performed poorly on a particular measurement. Being that programs are often judged based upon the median of five years of data, 'false zeros', or the absence of data, do not affect the program's median so long as there is at least one year in which there were measurable outcomes to report (i.e., one year median, ignoring the prior years in which there are 'false' zeros or no data).</i>

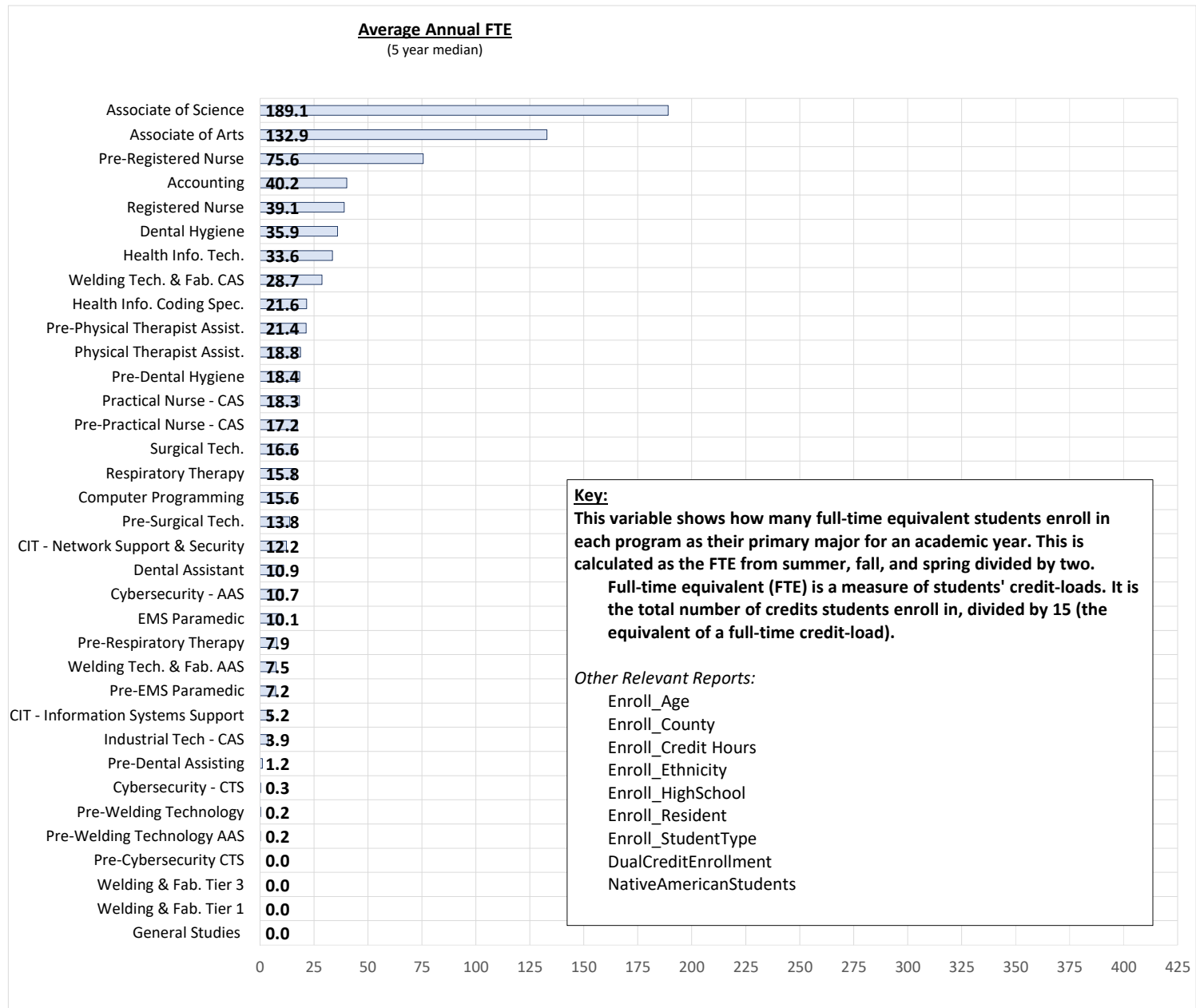
**Unduplicated Headcount**

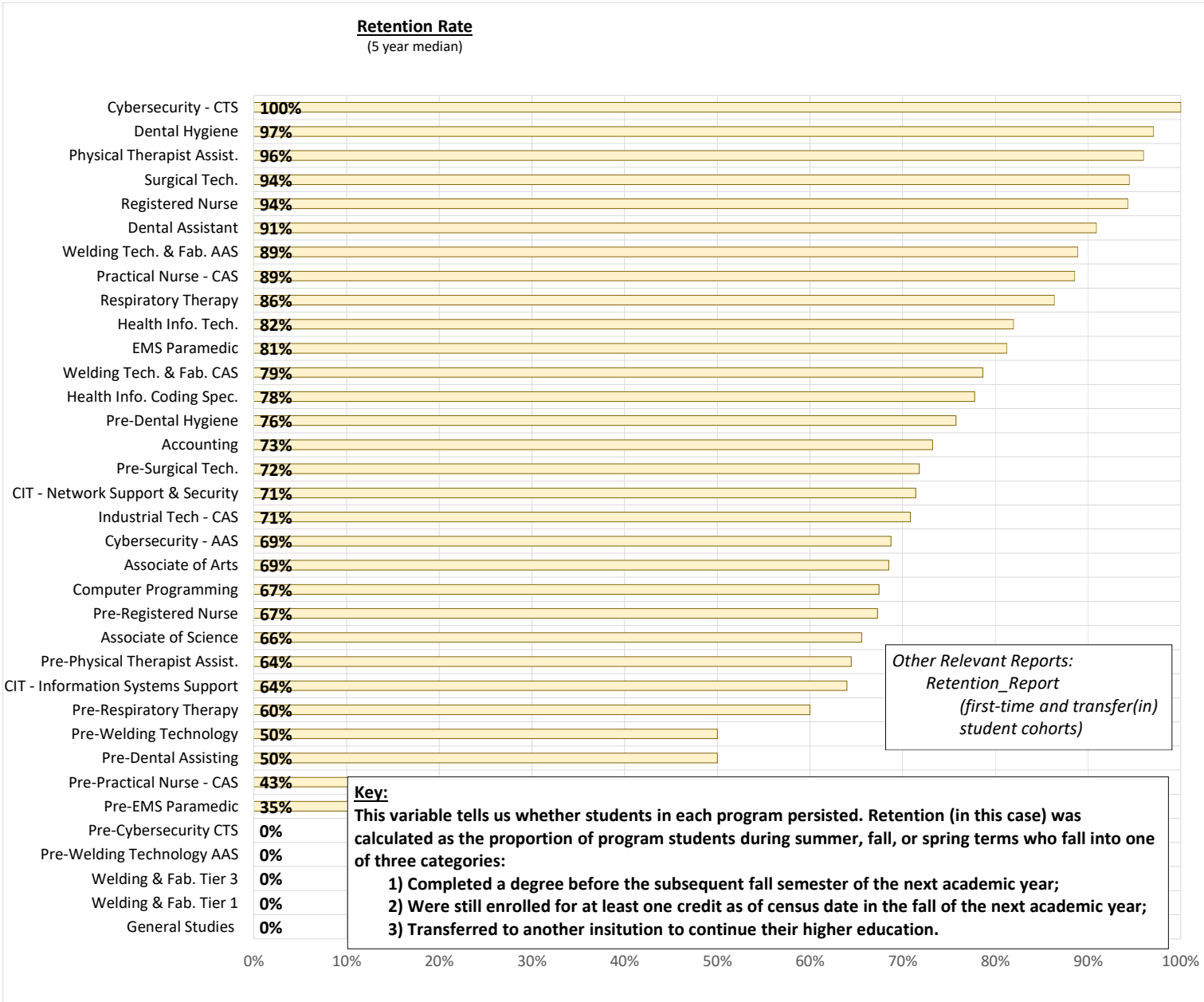
(5 year median)

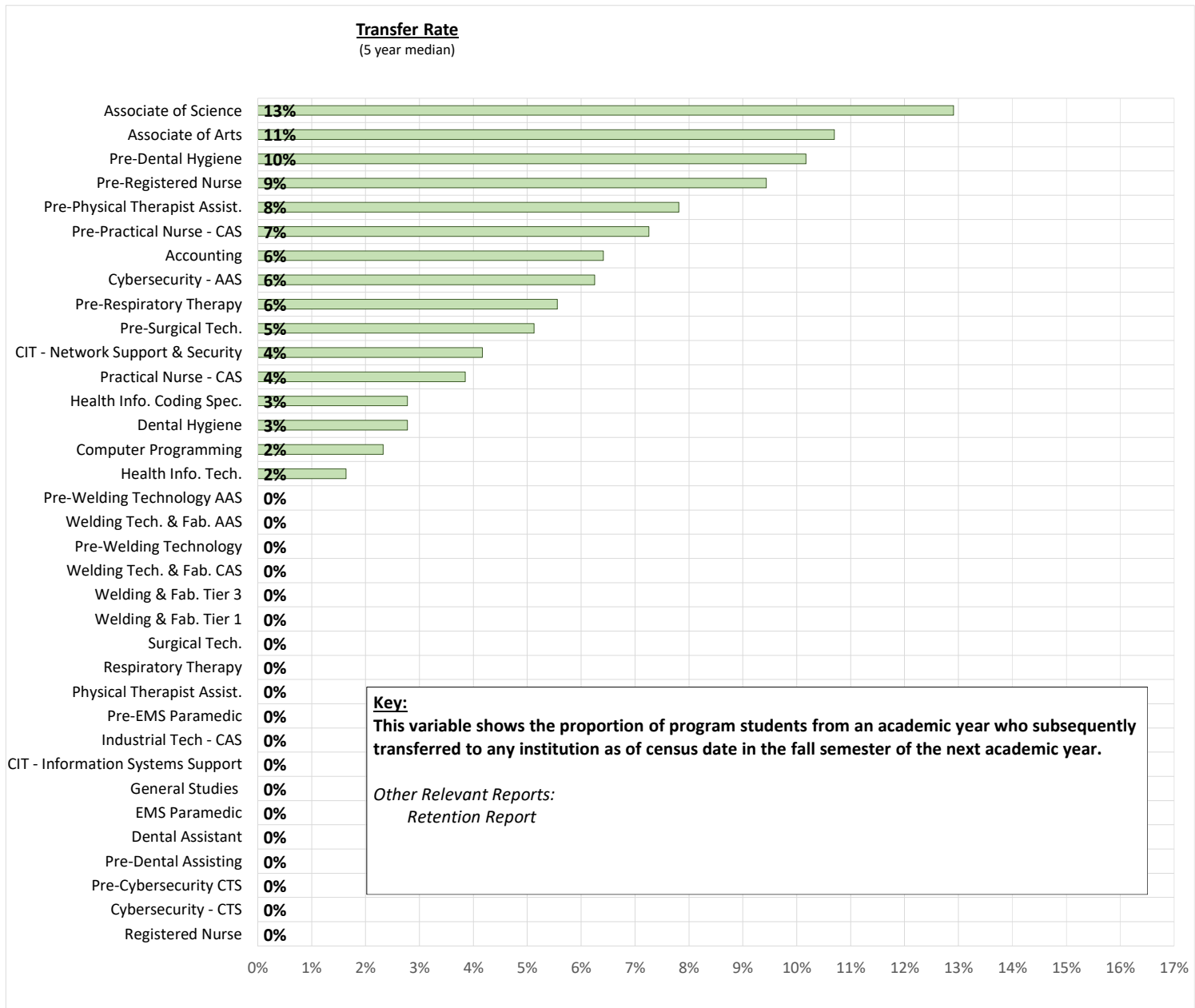


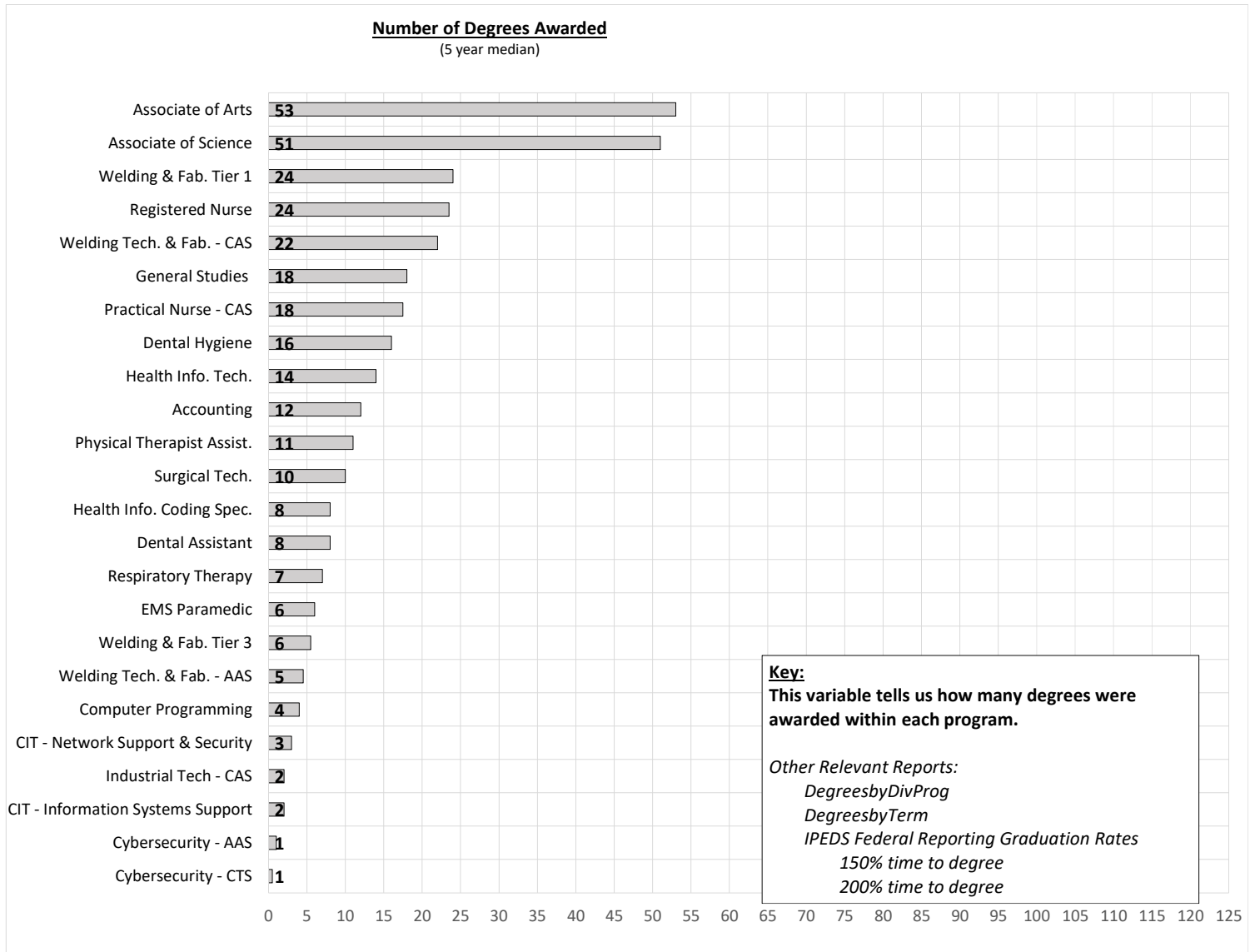
**Key:**  
 This variable shows how many unique students enroll in each program as their primary major for an academic year.

*Other Relevant Reports:*  
 Enroll\_Age  
 Enroll\_County  
 Enroll\_Credit Hours  
 Enroll\_Ethnicity  
 Enroll\_HighSchool  
 Enroll\_Resident  
 Enroll\_StudentType  
 DualCreditEnrollment  
 NativeAmericanStudents



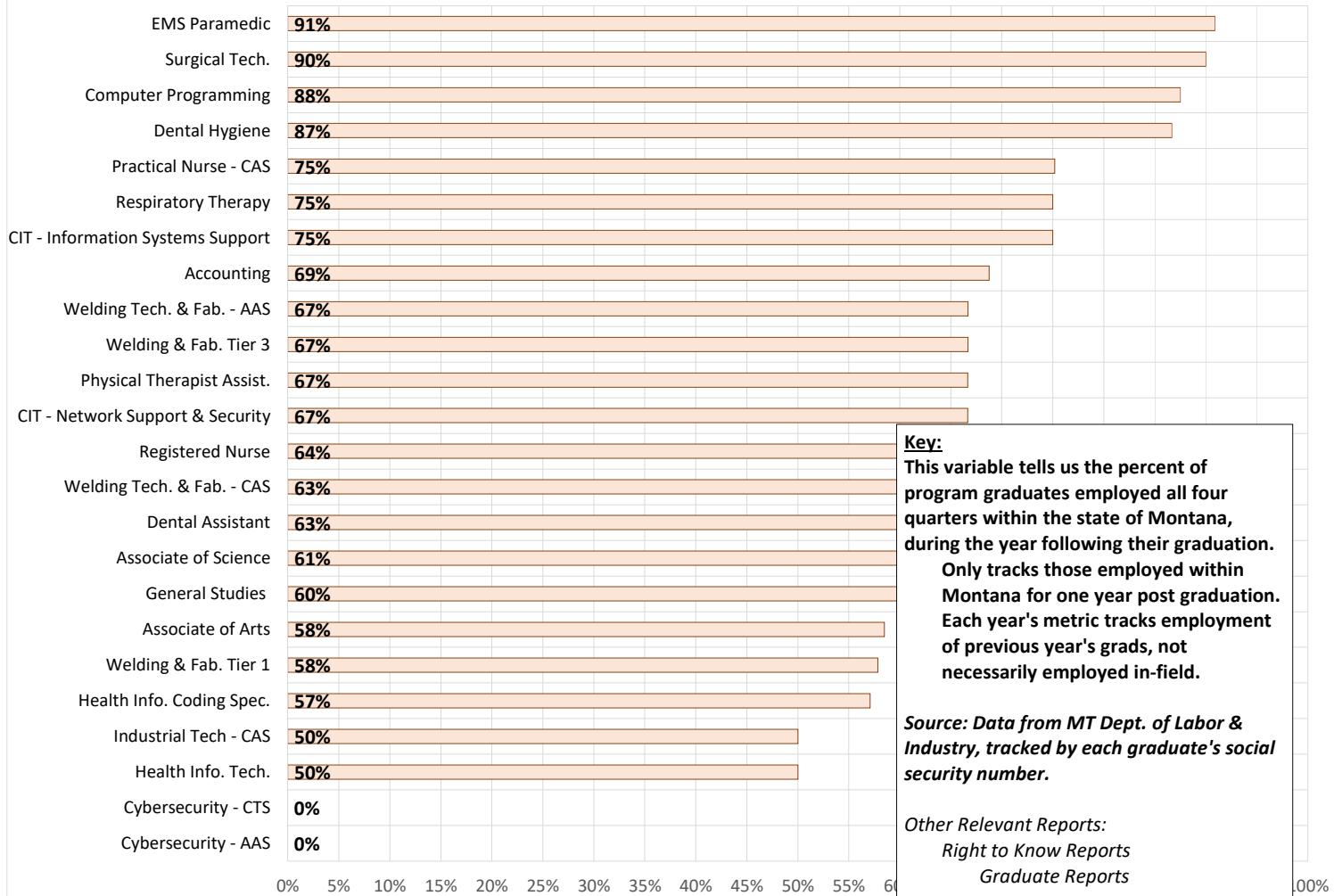


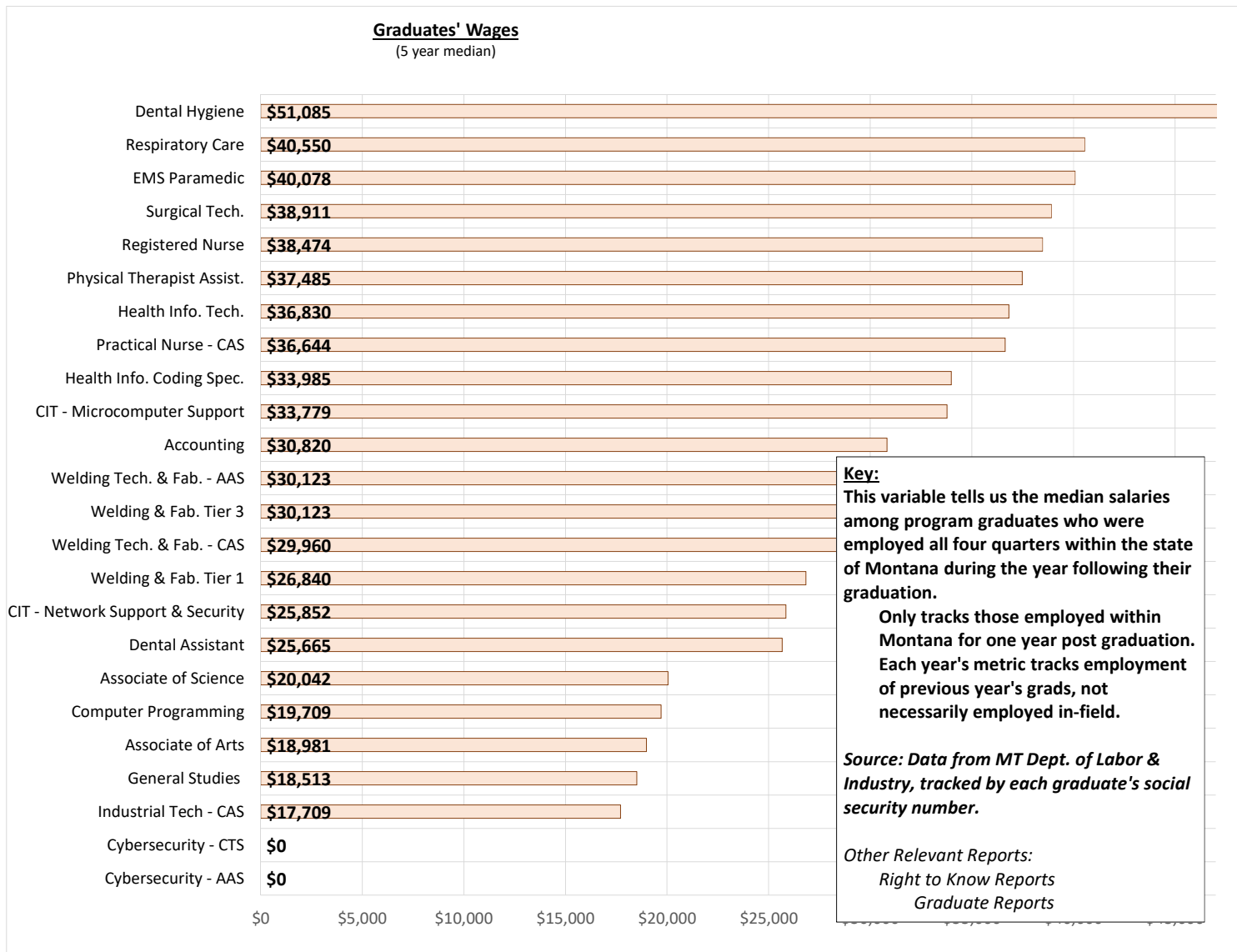




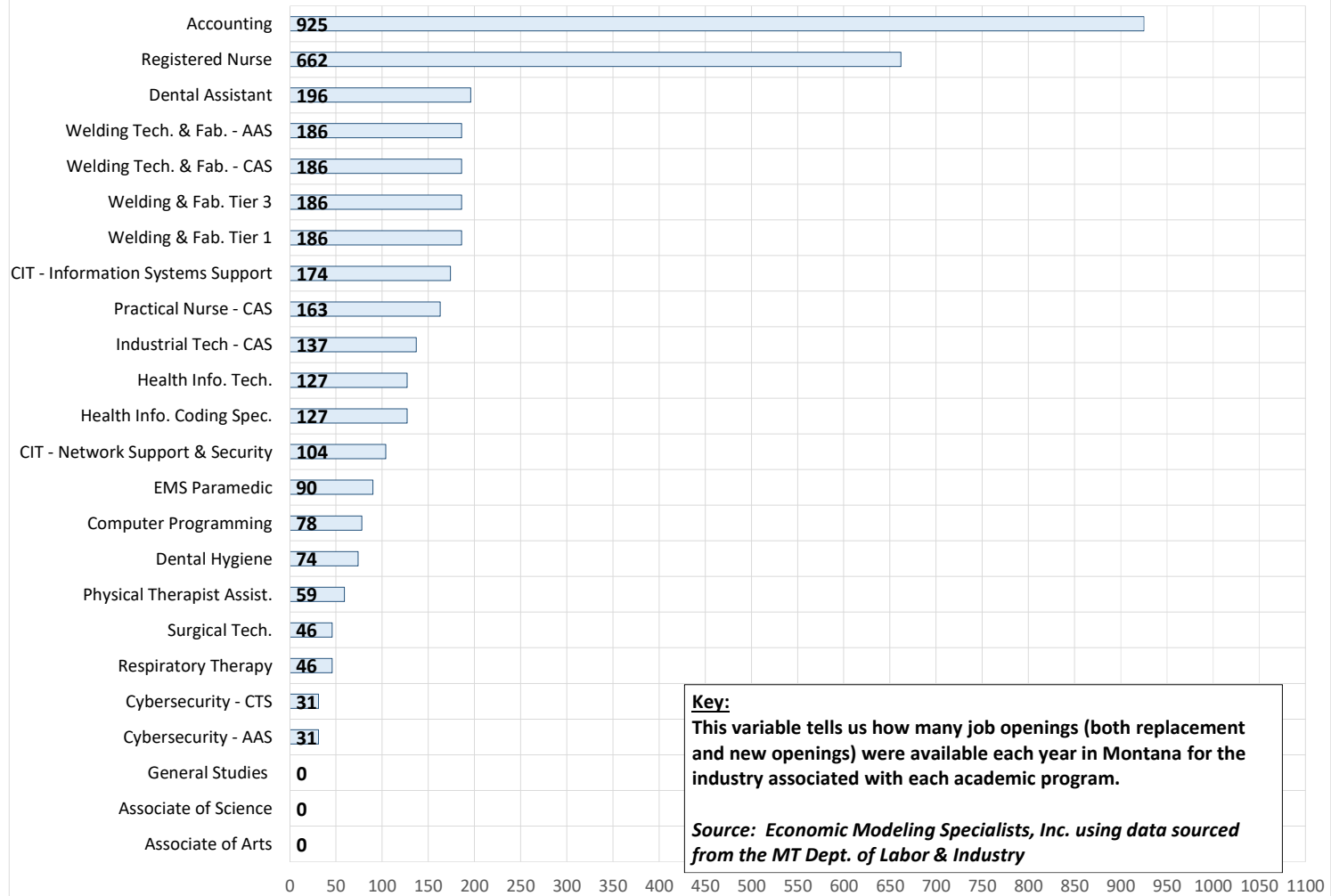


**Job Placement of Graduates**  
(5 year median)

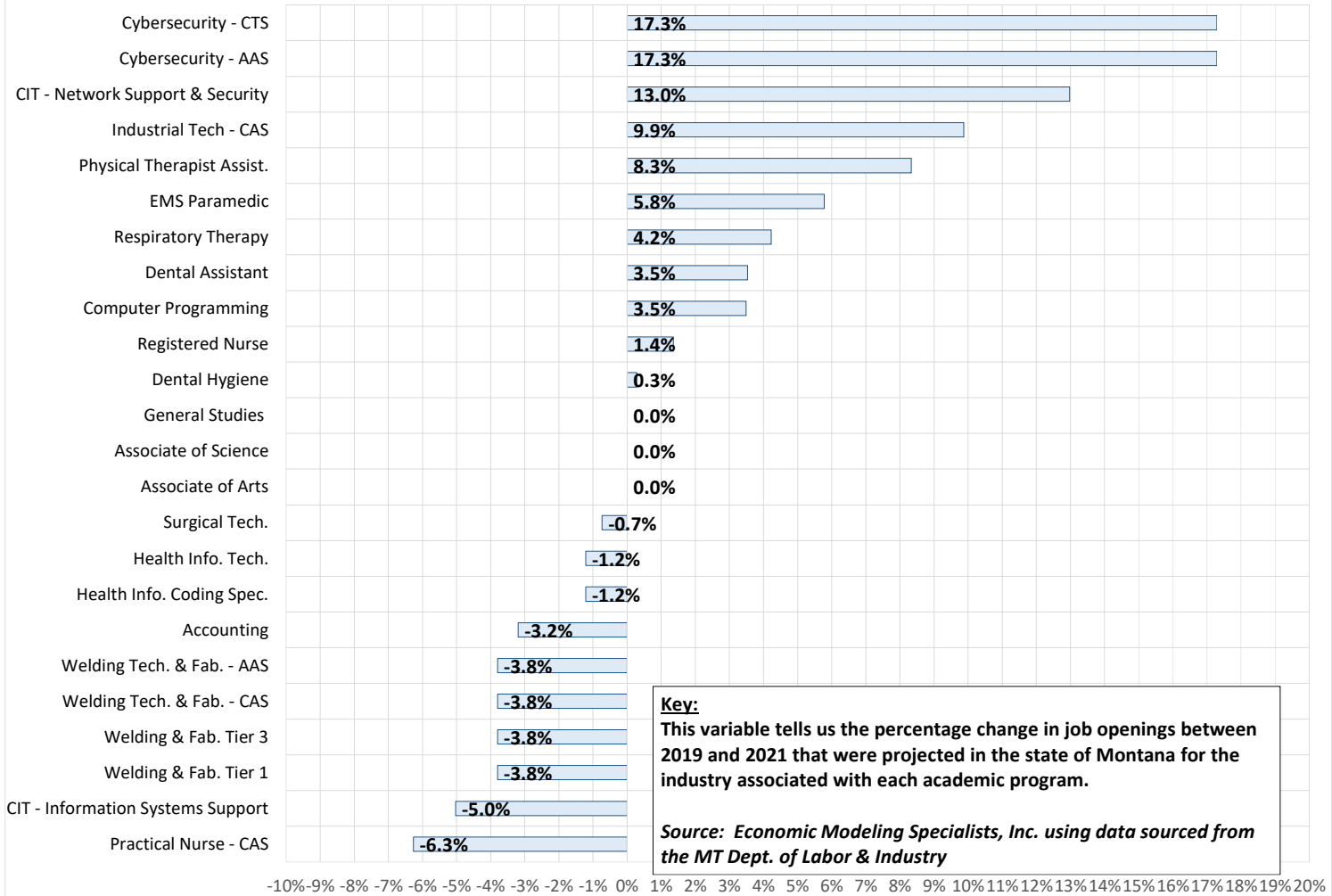




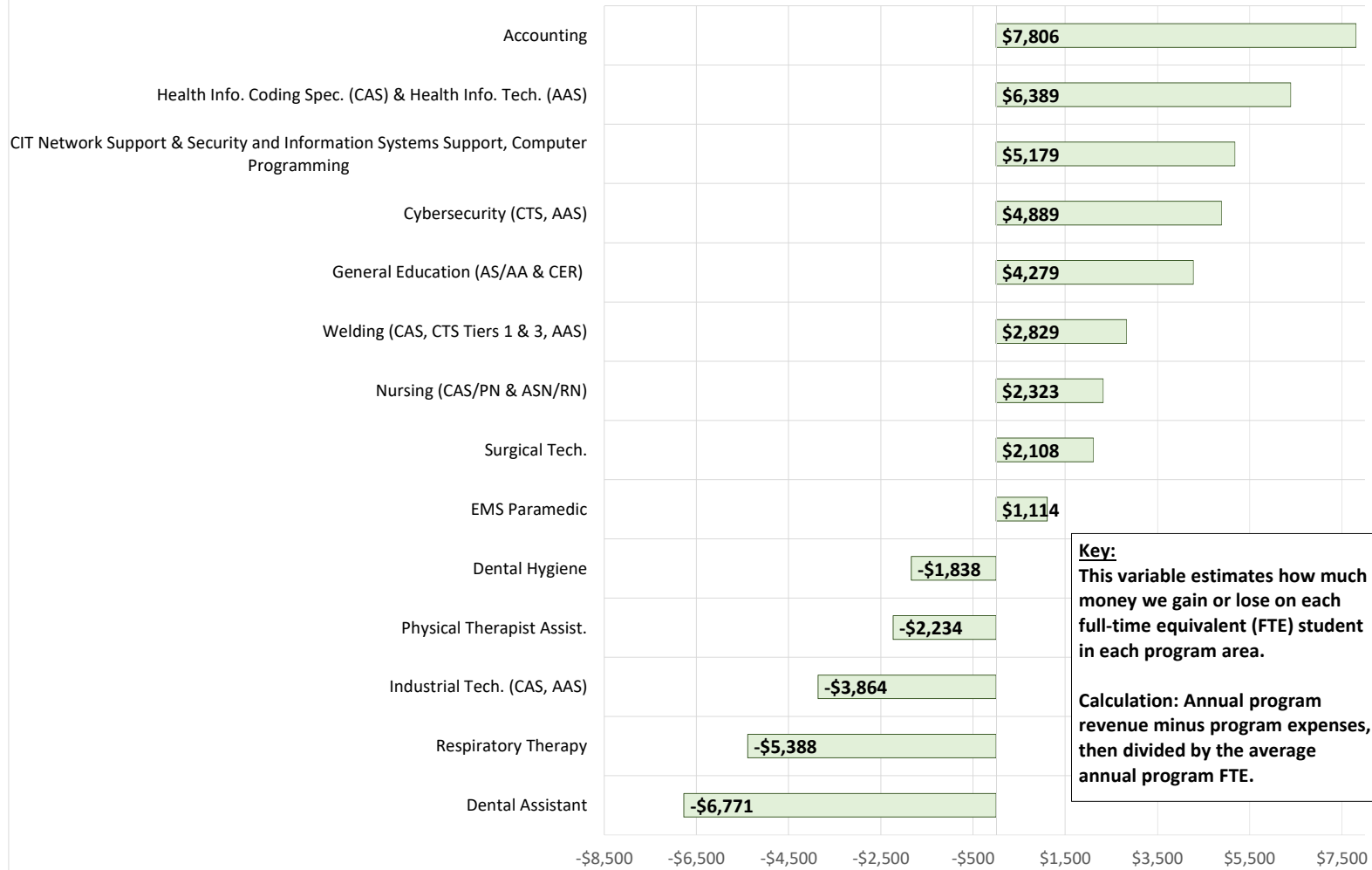
**Total Annual Job Openings in Montana**  
(during 2019-2021)



**Projected Job Openings in Montana**  
(from 2019-2021)

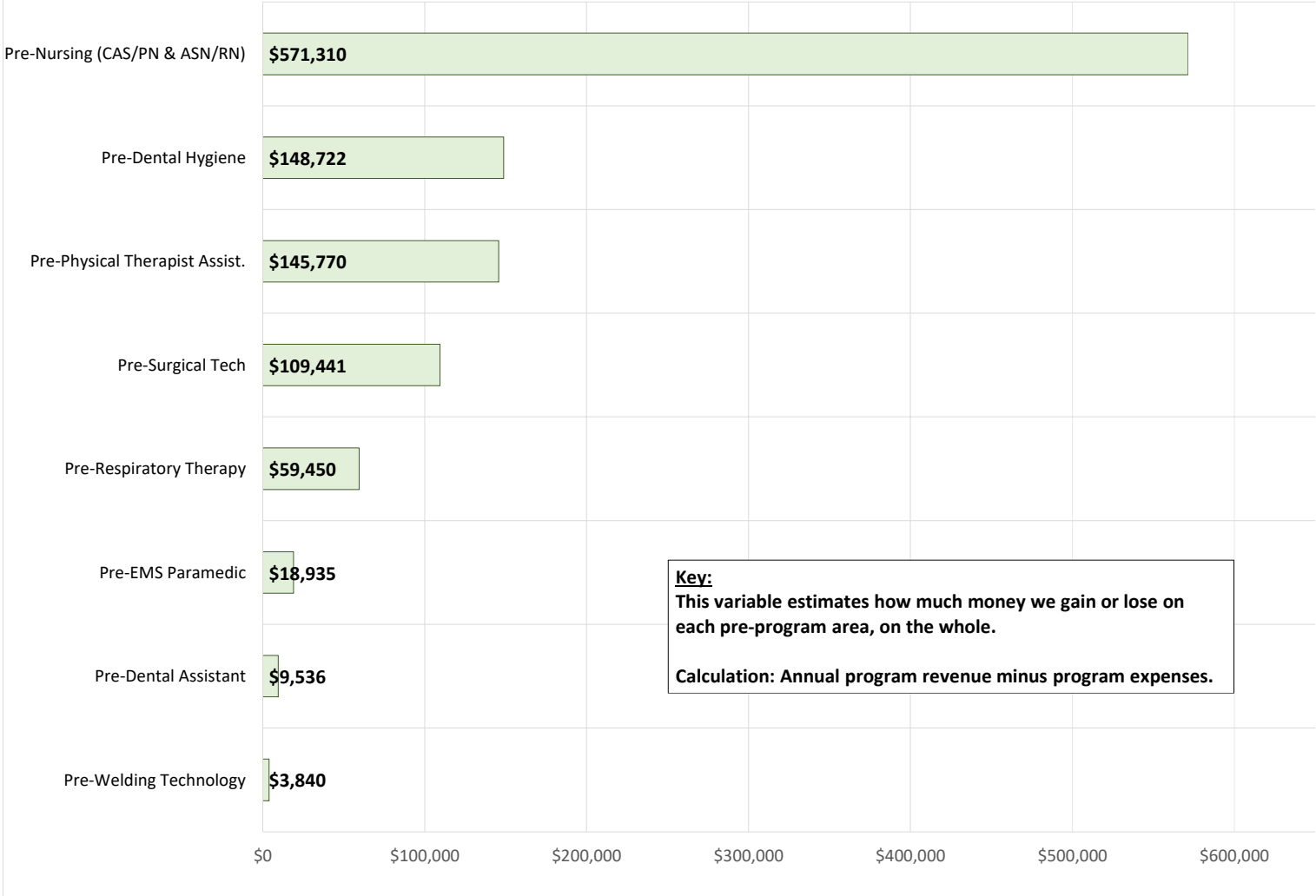


**Financial Impact per FTE**  
(5 year median)



**Financial Impact per Pre-Program**

(5 year median)

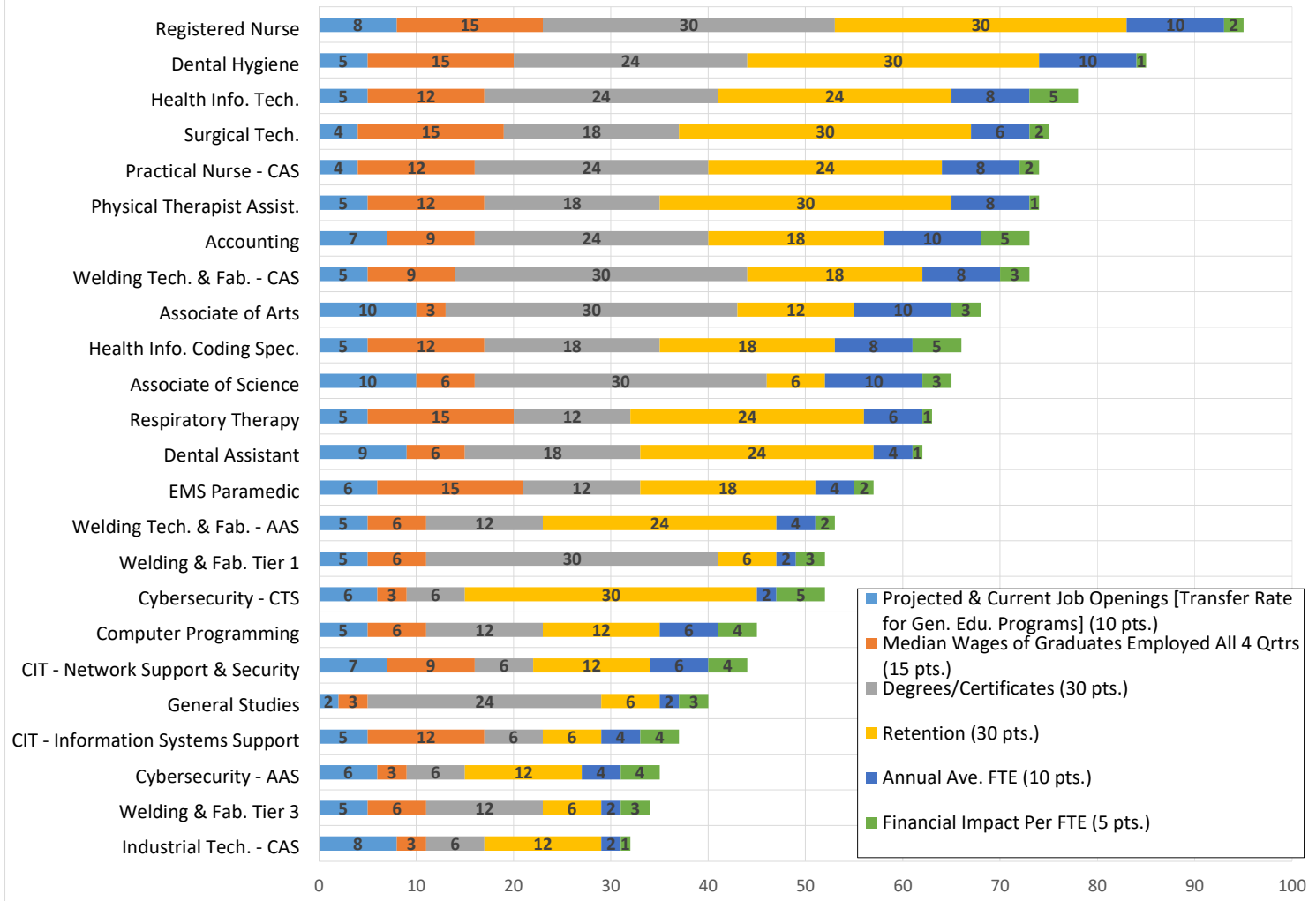


**Program Total Score Explanation**

<p><b>Variables</b></p> <ul style="list-style-type: none"> <li><i>Number of Degrees/Certificates Granted</i></li> <li><i>Median Graduate Salary</i></li> <li><i>Average Annual FTE</i></li> <li><i>Retention Rate</i></li> <li><i>Financial Impact per FTE</i></li> <li><i>MT Job Openings &amp; % Change</i> <i>(Transfer Rate for Gen. Edu.)</i></li> </ul>	<p><b>Scoring Explanation</b></p> <p>Programs were rank ordered for each of the variables (depicted to the left) according to how well they performed on each variable. (Definitions for each of these variables can be found on the previous page.) For instance, programs with higher retention rates were ranked higher than programs with lower retention rates. This results in six different program rankings for each of the six variables.</p> <p>For each ranking (per variable), programs were batched in terms of performance quintiles (20%) and assigned a score of 1-5 based upon their quintile. For instance, the bottom performing 20% of programs in terms of retention were assigned a score of "1" for that variable. Conversely, the top 20% of ranked programs were assigned a score of "5" on that variable. All of these scores (1-5) for each of the six variables add up to a total program score (unweighted) out of 30 possible points.</p> <p>The Internal Academic Program Review Committee decided that some of these variables were more important than others and therefore gave some, like retention and degrees/certificates awarded, a heavier weight than other variables, like financial impact per FTE. The relative weights of these variables are depicted below.</p>
<p><b>Weighted Total Program Score</b></p>	<p>The total weighted score is out of 100 possible points and is based upon internal academic program review criteria. Each of the criteria and their weights are as follows:</p> <ul style="list-style-type: none"> <li><i>Current Job Openings = 5 pts.</i></li> <li><i>Projected Job Openings = 5 pts.</i></li> <li><i>Financial Impact per FTE = 5 pts.</i></li> <li><i>Ave. Annual FTE = 10 pts.</i></li> <li><i>Median Wages of Graduates Employed All Four Quarters Following Graduation = Degrees/Certificates = 30 pts.</i></li> <li><i>Retention = 30 pts.</i></li> </ul> <p><i>* In the case of General Edu. &amp; Transfer programs, transfer rate (10 pts.) will be used instead of current job openings (5 pts.) and projected job openings (5 pts.).</i></p> <p>It is this weighted total score that will be used to assess programs when they are under review by the Internal Program Review Committee.</p>

**Weighted Program Total Scores** (20-100 pts.)

Each Variable Weighted Differently - Weights Determined by the Internal Program Review Committee





**Unweighted Program Total Scores** (6-30 pts.)  
**All Variables Weighted Equally**

