Program Scorecard 2022-23
Manufacturing Engineering Technologist 10-623-8

Student Demographics	2022-23		2021-22		2020-21	
	Number	Percent	Number	Percent	Number	Percent
Full-Time	10	43%	14	52%	11	73%
Part-Time	13	57%	10	37%	4	27%
Students with Disabilities	4	8%	0	0%	1	7%
Students of Color	1	4%	2	8%	2	13%
Financial Aid Recipients	8	31%	10	37%	5	31%
Male	17	74%	18	75%	12	80%
Female	6	26%	6	25%	3	20%
Mean Age	27		27		24	
Median Age	25		24		22	
Mode Age	23		23		19	
Bias per WTCS (NTO*)	Female		Female		Female	
Total Program Students	23		24		15	
Total Pre-Program Students	3		3		1	

NOTE: Demographics include program students only, with the exception of financial aid
*NTO: non-traditional occupation

Student Interest	2022-23	2021-22	2020-21	2019-20	2018-19
New Accepted Students	11	13	9	17	17
Capacity	34	25	34	34	34
Percent Capacity	32%	52%	26%	50%	50%
FTEs	16	17	12	17	18
Fall/Spring Waitlist	0	0	0	0	0

Graduate Placement	2022-23*	2021-22	2020-21	2019-20	2018-19
Graduates	7	5	2	5	7
Employed in Related Field	NA	100%	NA	0%	100%
Seeking Employment	NA	0%	NA	0%	20%
Continuing Education	NA	0%	NA	33%	0%
Survey Response Rate	NA	60%	NA	75%	71%

*2022-23 graduate placement data is not available because graduates are surveyed 6 months to 1 year after graduation; 2022-23 data will be available spring 2024.

Wages & Openings	2021-22
CVTC Graduate Average Hourly Wage	NA
CVTC Graduate Average Annual Wage	NA
Regional Median Annual Wage	$53,402
Regional Job Openings	32

*NA: Fewer than 5 graduates working in a related field provided a wage on the graduate follow-up survey.
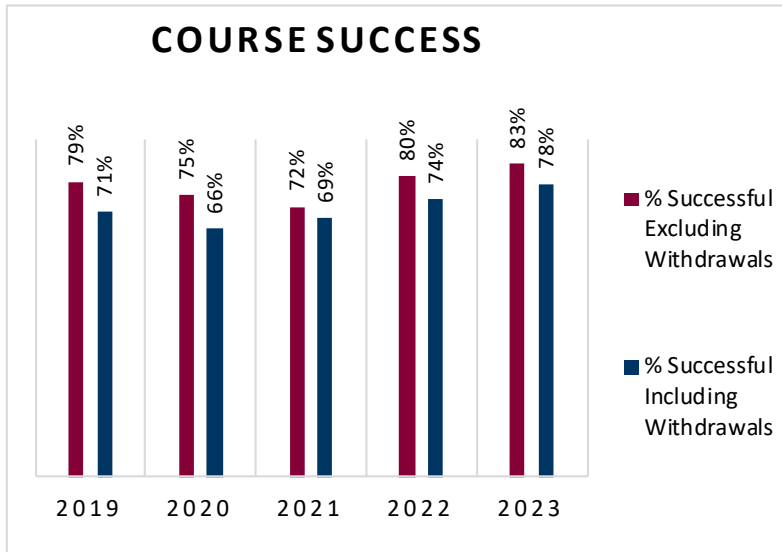
CVTC Key Performance Indicator Goals		
	Goal	Actual
Graduation within 3 years	55%	43%
Job Related Placement	90%	82%
Aidable FTEs	3,865	3,835

CAREER CLUSTER
Science, Technology, Engineering, & Math

Graduation Rates	Cohort Year*					Program Target	WTCS
	2020-21	2019-20	2018-19	2017-18	2016-17		
Graduation within 3 Years	44%	13%	28%	31%	44%	39%	NA
Graduation within 4 Years	NA	13%	28%	31%	56%	43%	NA

*Cohort year is the year the student started in the program.

Retention Rates	Academic Year					Program Target
	Fall 2022 to Fall 2023	Fall 2021 to Fall 2022	Fall 2020 to Fall 2021	Fall 2019 to Fall 2020	Fall 2018 to Fall 2019	
Fall-to-Fall Retention	71%	50%	67%	37%	41%	56%
Core Courses	2022-23	2021-22	2020-21	2019-20	2018-19	
Course Success Rate	79%	83%	75%	67%	82%	80%
Withdraw Rate	6%	5%	3%	11%	2%	NA
General Education Courses	2022-23	2021-22	2020-21	2019-20	2018-19	
Course Success Rate	76%	61%	62%	70%	62%	69%
Withdraw Rate	8%	11%	5%	7%	15%	NA

Technical Skills Attainment	2022-23	2021-22	2020-21	2019-20	2018-19
Met	6	5	1	0	7
Not Met	1	0	0	0	0
Not Assessed	0	4	9	0	0

COURSE SUCCESS

Bar chart "COURSE SUCCESS" showing % Successful Excluding Withdrawals (maroon) and % Successful Including Withdrawals (blue):
- 2019: 79% / 71%
- 2020: 75% / 66%
- 2021: 72% / 69%
- 2022: 80% / 74%
- 2023: 83% / 78%

CVTC Course Success Goal: 80%

Manufacturing Engineering Technologist (10-623-8)
2022-23 Course Success

Delivery Methods	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
Blended (less than 50% online)	9	1	0	10	90%	90%
Face-to-Face	26	6	2	34	81%	76%
Hybrid (50% or more online)	21	2	1	24	91%	88%
MyChoice	29	6	1	36	83%	81%
Online	46	12	7	65	79%	71%
Grand Total	**131**	**27**	**11**	**169**	**83%**	**78%**

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
102-112 Principles of Management	**2**	**2**	**0**	**4**	**50%**	**50%**
Online	2	2	0	4	50%	50%
102-188 Project Management	**3**	**0**	**0**	**3**	**100%**	**100%**
Face-to-Face	1	0	0	1	100%	100%
Online	2	0	0	2	100%	100%
605-116 Engineering Electronics	**9**	**2**	**1**	**12**	**82%**	**75%**
MyChoice	9	2	1	12	82%	75%
606-102 Principles of Design	**8**	**1**	**0**	**9**	**89%**	**89%**
Blended (less than 50% online)	8	1	0	9	89%	89%
606-104 Geometric Dimen & Tolerancing	**7**	**2**	**0**	**9**	**78%**	**78%**
Face-to-Face	4	1	0	5	80%	80%
Online	3	1	0	4	75%	75%
606-130 Solid Modeling I	**7**	**2**	**0**	**9**	**78%**	**78%**
MyChoice	5	2	0	7	71%	71%
Online	2	0	0	2	100%	100%
606-131 Solid Modeling 2	**4**	**1**	**0**	**5**	**80%**	**80%**
MyChoice	4	1	0	5	80%	80%
606-161 CAD, Basic	**8**	**3**	**1**	**12**	**73%**	**67%**
Face-to-Face	8	3	1	12	73%	67%
623-101 Engineering Principles	**9**	**1**	**0**	**10**	**90%**	**90%**
MyChoice	9	1	0	10	90%	90%

Manufacturing Engineering Technologist (10-623-8)
2022-23 Course Success

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
623-107 Engineering Materials	**7**	**0**	**1**	**8**	**100%**	**88%**
Hybrid (50% or more online)	7	0	1	8	100%	88%
623-117 Intro to Precision Measurement	**8**	**0**	**0**	**8**	**100%**	**100%**
Hybrid (50% or more online)	8	0	0	8	100%	100%
623-119 Advanced Inspection Techniques	**7**	**2**	**0**	**9**	**78%**	**78%**
Hybrid (50% or more online)	6	2	0	8	75%	75%
Online	1	0	0	1	100%	100%
623-130 Lean Fundamentals	**6**	**1**	**2**	**9**	**86%**	**67%**
Online	6	1	2	9	86%	67%
623-154 Engineering Economy	**6**	**0**	**2**	**8**	**100%**	**75%**
Online	6	0	2	8	100%	75%
625-110 Mfg & Quality Assurance	**7**	**2**	**0**	**9**	**78%**	**78%**
Online	7	2	0	9	78%	78%
801-136 English Composition 1	**2**	**0**	**0**	**2**	**100%**	**100%**
Face-to-Face	1	0	0	1	100%	100%
Online	1	0	0	1	100%	100%
801-196 Oral/Interpersonal Comm	**2**	**2**	**0**	**4**	**50%**	**50%**
Blended (less than 50% online)	1	0	0	1	100%	100%
Online	1	2	0	3	33%	33%
804-115 College Technical Math 1	**6**	**1**	**0**	**7**	**86%**	**86%**
MyChoice	2	0	0	2	100%	100%
Online	4	1	0	5	80%	80%
804-189 Introductory Statistics	**4**	**2**	**1**	**7**	**67%**	**57%**
Online	4	2	1	7	67%	57%
806-134 General Chemistry	**5**	**1**	**0**	**6**	**83%**	**83%**
Face-to-Face	5	1	0	6	83%	83%
806-154 General Physics 1	**3**	**0**	**3**	**6**	**100%**	**50%**
Face-to-Face	3	0	1	4	100%	75%
Online	0	0	2	2		0%
809-196 Intro to Sociology	**5**	**1**	**0**	**6**	**83%**	**83%**
Face-to-Face	1	1	0	2	50%	50%

Manufacturing Engineering Technologist (10-623-8)
2022-23 Course Success

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
Online	4	0	0	4	100%	100%
809-198 Intro to Psychology	**6**	**1**	**0**	**7**	**86%**	**86%**
Face-to-Face	3	0	0	3	100%	100%
Online	3	1	0	4	75%	75%
Grand Total	**131**	**27**	**11**	**169**	**83%**	**78%**