

Program Scorecard 2018-19

Machine Tooling Technics 32-420-5

Student Demographics	2018-19		2017-18		2016-17	
	Number	Percent	Number	Percent	Number	Percent
Full-Time	51	94%	47	94%	65	92%
Part-Time	3	6%	3	6%	6	9%
Disabilities	1	2%	1	2%	3	4%
Minorities	6	11%	1	2%	4	6%
Financial Aid	24	44%	24	48%	39	55%
Male	49	91%	47	94%	67	94%
Female	5	9%	3	6%	3	4%
Mean Age	25		25		26	
Median Age	22		21		24	
Mode Age	19		19		19	
Bias per WTCS (NTO)	Female		Female		None	
Total Program Students	54		50		71	
Total Pre-Program Students	0		0		0	

NOTE: Demographics include program students only, with the exception of financial aid

Student Interest	2018-19	2017-18	2016-17	2015-16	2014-15
New Accepted Students	31	27	40	46	50
Capacity	41	46	65	62	64
Percent Capacity	76%	59%	62%	74%	78%
FTEs	54	54	71	85	94
Fall/Spring Waitlist	0	0	0	7	0

Graduate Placement	2018-19	2017-18	2016-17	2015-16	2014-15
Graduates	17	23	32	36	38
Employed in Related Field	NA	100%	100%	94%	94%
Seeking Employment	NA	0%	6%	0%	0%
Continuing Education	NA	0%	0%	0%	0%
Survey Response Rate	NA	57%	56%	44%	47%

Wages & Openings	2017-18
CVTC Graduate Average Hourly Wage	\$20.25
CVTC Graduate Average Yearly Wage	\$47,540
Regional Entry Level Yearly Wage	\$31,484
Regional Job Openings	396

CVTC Key Performance Indicator Goals		
	Goal	Actual
Graduation within 3 years	55%	42%
Job Related Placement	90%	87%
Aidable FTEs	3,984	3,832

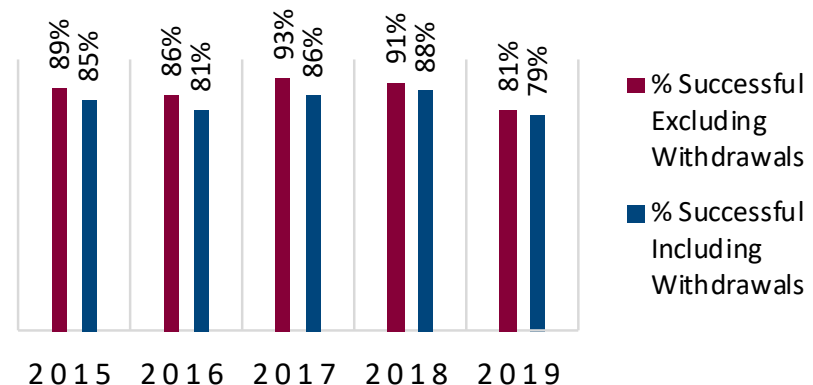
Graduation Rates	Cohort Year					3-Year Program Target	WTCS
	2016-17	2015-16	2014-15	2013-14	2012-13		
Graduation within 3 Years	56%	60%	64%	60%	54%	66%	55%
Graduation within 4 Years	NA	60%	67%	65%	54%	69%	55%

Retention Rates	Academic Year					3-Year Program Target
	Fall 2018 to Fall 2019	Fall 2017 to Fall 2018	Fall 2016 to Fall 2017	Fall 2015 to Fall 2016	Fall 2014 to Fall 2015	
Fall-to-Fall Retention	54%	58%	59%	62%	72%	62%
Core Courses	2018-19	2017-18	2016-17	2015-16	2014-15	
Course Success Rate	80%	87%	88%	82%	85%	90%
Withdraw Rate	1%	3%	5%	5%	4%	NA
General Education Courses	2018-19	2017-18	2016-17	2015-16	2014-15	
Course Success Rate	71%	84%	81%	79%	83%	84%
Withdraw Rate	4%	4%	14%	7%	7%	NA

Technical Skills Attainment	2018-19	2017-18	2016-17	2015-16	2014-15
Met	21	21	31	36	0
Not Met	0	0	0	1	0
Not Assessed	0	0	0	0	0

Student Surveys	2018-19	2017-18	2016-17	2015-16	CVTC
SSI- Instructional Effectiveness by Program (scale of 1 to 7)	6.6		6.2		6.3
CCSSE- Active & Collaborative Learning by Cluster (scale of 1 to 4)		2.2		2.2	2.4

COURSE SUCCESS



CVTC Course Success Goal: 80%

CAREER CLUSTER
Manufacturing

Machine Tooling Technics (32-420-5)

2018-19 Course Success

Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
Face-to-Face	245	45	7	297	84%	82%
Blended (less than 50% online)	143	46	6	195	76%	73%
Faculty Enhanced	16	5	1	22	76%	73%
Grand Total	404	96	14	514	81%	79%

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
420-300 Machine Shop Theory	22	5	0	27	81%	81%
Face-to-Face	22	5	0	27	81%	81%
420-309 Adv CNC Programming Theory	8	0	0	8	100%	100%
Face-to-Face	8	0	0	8	100%	100%
420-310 CNC Programming Theory	20	5	0	25	80%	80%
Face-to-Face	20	5	0	25	80%	80%
420-315 Machine Tool Internship	4	0	0	4	100%	100%
Face-to-Face	4	0	0	4	100%	100%
420-321 Manual Turning Processes	22	5	1	28	81%	79%
Blended (less than 50% online)	22	5	1	28	81%	79%
420-322 Manual Milling Processes	18	7	3	28	72%	64%
Blended (less than 50% online)	18	7	3	28	72%	64%
420-325 Basic CNC Mill Programming	19	6	0	25	76%	76%
Blended (less than 50% online)	19	6	0	25	76%	76%
420-326 Adv CNC Mill & Grinding Proc	16	13	1	30	55%	53%
Blended (less than 50% online)	16	13	1	30	55%	53%
420-330 Basic CNC Lathe Programming	13	5	0	18	72%	72%
Blended (less than 50% online)	13	5	0	18	72%	72%
420-331 Advanced CNC Turning Processes	13	10	1	24	57%	54%
Blended (less than 50% online)	13	10	1	24	57%	54%

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2018-19 Course Success

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Including Withdrawals
420-341 Materials for Machinists	23	0	0	23	100%	100%
Face-to-Face	23	0	0	23	100%	100%
420-351 CAM for Multi-Axis Machining	20	1	0	21	95%	95%
Face-to-Face	20	1	0	21	95%	95%
420-352 Advanced Technologies in Mfg	21	0	0	21	100%	100%
Blended (less than 50% online)	21	0	0	21	100%	100%
420-353 CAM for CNC Lathe	14	9	1	24	61%	58%
Face-to-Face	14	9	1	24	61%	58%
420-355 Competitive Machining Techniqs	21	0	0	21	100%	100%
Blended (less than 50% online)	21	0	0	21	100%	100%
420-367 MasterCam Advanced	17	5	1	23	77%	74%
Face-to-Face	17	5	1	23	77%	74%
420-373 Precision Measurement	20	7	1	28	74%	71%
Face-to-Face	20	7	1	28	74%	71%
420-379 Job Skills for Manufacturing	20	0	1	21	100%	95%
Face-to-Face	20	0	1	21	100%	95%
420-380 2-D CAM	21	4	0	25	84%	84%
Face-to-Face	21	4	0	25	84%	84%
420-385 Advanced Machine Concepts	17	0	0	17	100%	100%
Face-to-Face	17	0	0	17	100%	100%
421-385 MT Blueprint Reading and GD&T	22	1	2	25	96%	88%
Face-to-Face	22	1	2	25	96%	88%
804-360 Math for Technical Trades	16	5	1	22	76%	73%
Faculty Enhanced	16	5	1	22	76%	73%
804-362 Math 20	17	8	1	26	68%	65%
Face-to-Face	17	8	1	26	68%	65%
Grand Total	404	96	14	514	81%	79%