

# Program Scorecard 2020-2021

## Machine Tooling Technics 32-420-5

Student Demographics	2020-21		2019-20		2018-19	
	Number	Percent	Number	Percent	Number	Percent
Full-Time	38	95%	46	90%	51	94%
Part-Time	2	5%	5	10%	3	6%
Disabilities	2	5%	3	6%	1	2%
Minorities	1	3%	1	2%	6	11%
Financial Aid	17	43%	14	27%	24	44%
Male	36	90%	48	94%	49	91%
Female	4	10%	3	6%	5	9%
Mean Age	27		25		25	
Median Age	21		21		22	
Mode Age	19		20		19	
Bias per WTCS (NTO)	Female		Female		Female	
Total Program Students	40		51		54	
Total Pre-Program Students	0		0		0	

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

Student Interest	2020-21	2019-20	2018-19	2017-18	2016-17
New Accepted Students	15	27	31	27	40
Capacity	31	37	41	46	65
Percent Capacity	48%	73%	76%	59%	62%
FTEs	35	47	54	54	71
Fall/Spring Waitlist	0	1	0	0	0

Graduate Placement	2020-21	2019-20	2018-19	2017-18	2016-17
Graduates	20	20	17	23	32
Employed in Related Field	NA	91%	100%	100%	100%
Seeking Employment	NA	8%	0%	0%	6%
Continuing Education	NA	0%	0%	0%	0%
Survey Response Rate	NA	65%	41%	57%	56%

Wages & Openings	2019-20
CVTC Graduate Average Hourly Wage	\$21.48
CVTC Graduate Average Yearly Wage	\$47,248
Regional Entry Level Yearly Wage	\$32,448
Regional Job Openings	235

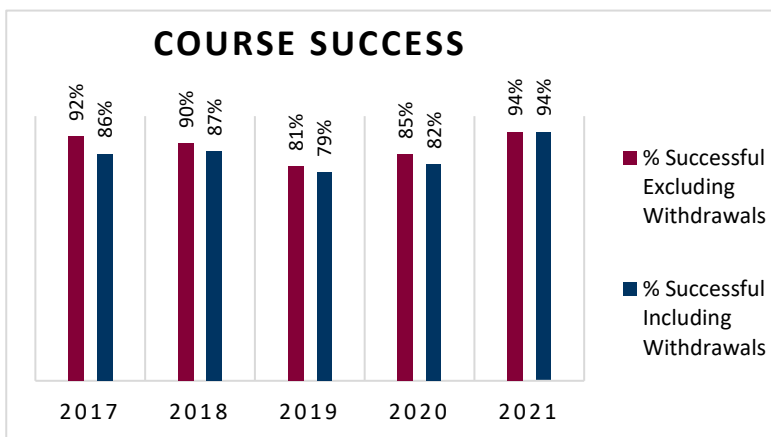
CVTC Key Performance Indicator Goals		
	Goal	Actual
Graduation within 3 years	55%	42%
Job Related Placement	90%	83%
Aidable FTEs	3,984	3,650

Graduation Rates	Cohort Year					Program Target	WTCS
	2018-19	2017-18	2016-17	2015-16	2014-15		
Graduation within 3 Years	47%	64%	56%	60%	64%	66%	55%
Graduation within 4 Years	NA	68%	56%	60%	67%	69%	55%

Retention Rates	Academic Year					Program Target
	Fall 2020 to Fall 2021	Fall 2019 to Fall 2020	Fall 2018 to Fall 2019	Fall 2017 to Fall 2018	Fall 2016 to Fall 2017	
Fall-to-Fall Retention	73%	68%	54%	58%	59%	62%
Core Courses	2020-21	2019-20	2018-19	2017-18	2016-17	
Course Success Rate	94%	86%	80%	87%	88%	90%
Withdraw Rate	0%	3%	1%	3%	5%	NA
General Education Courses	2020-21	2019-20	2018-19	2017-18	2016-17	
Course Success Rate	NA	80%	71%	84%	81%	84%
Withdraw Rate	NA	7%	4%	4%	14%	NA

Technical Skills Attainment	2020-21	2019-20	2018-19	2017-18	2016-17
Met	20	8	21	21	31
Not Met	0	0	0	0	0
Not Assessed	0	0	0	0	0

Student Surveys	2020-21	2019-20	2018-19	2017-18	CVTC
SSI- Instructional Effectiveness by Program (scale of 1 to 7)	7		6.6		6.3
CCSSE- Active & Collaborative Learning by Cluster (scale of 1 to 4)				2.2	2.4



CVTC Course Success Goal: 80%

**CAREER CLUSTER**  
Manufacturing

**Machine Tooling Technics (32-420-5)**  
**2020-21 Course Success**

Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Excluding Withdrawals
Blended	17	1	0	18	94%	94%
Face-to-Face	268	16	0	284	94%	94%
<b>Total</b>	<b>285</b>	<b>17</b>	<b>0</b>	<b>302</b>	<b>94%</b>	<b>94%</b>

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Excluding Withdrawals
<b>31-421-385 MACHINE TRADES BLUEPRINT RDG</b>						
Face-to-Face	11	0	0	11	100%	100%
<b>32-420-300 MACHINE SHOP THEORY</b>						
Face-to-Face	12	0	0	12	100%	100%
<b>32-420-310 CNC PROGRAMMING THEORY</b>						
Face-to-Face	18	1	0	19	95%	95%
<b>32-420-315 MACHINE TOOL INTERNSHIP</b>						
Face-to-Face	4	0	0	4	100%	100%
<b>32-420-321 MANUAL TURNING PROCESSES</b>						
Face-to-Face	11	0	0	11	100%	100%
<b>32-420-322 MANUAL MILLING PROCESSES</b>						
Face-to-Face	12	0	0	12	100%	100%
<b>32-420-325 BASIC CNC MILL PROGRAMMING</b>						
Face-to-Face	13	1	0	14	93%	93%
Blended	4	0	0	4	100%	100%
<b>32-420-326 ADV CNC MILL &amp; GRINDING PROC</b>						
Face-to-Face	6	1	0	7	86%	86%
Blended	5	0	0	5	100%	100%
<b>32-420-330 BASIC CNC LATHE PROGRAMMING</b>						
Face-to-Face	19	0	0	19	100%	100%
Blended	2	0	0	2	100%	100%
<b>32-420-331 ADVANCED CNC TURNING PROCESSES</b>						
Face-to-Face	13	2	0	15	87%	87%
Blended	3	0	0	3	100%	100%
<b>32-420-332 CNC EQUATIONS 1</b>						

**Machine Tooling Technics (32-420-5)**  
**2020-21 Course Success**

Course & Delivery Method	Successful Count	Unsuccessful Count	Withdrawal Count	Enrollment Count	% Successful Excluding Withdrawals	% Successful Excluding Withdrawals
Face-to-Face	12	0	0	12	100%	100%
<b>32-420-333 CNC EQUATIONS 2</b>						
Face-to-Face	11	0	0	11	100%	100%
<b>32-420-341 MATERIALS FOR MACHINISTS</b>						
Face-to-Face	14	1	0	15	93%	93%
<b>32-420-352 ADVANCED TECHNOLOGIES IN MFG</b>						
Face-to-Face	16	4	0	20	80%	80%
Blended	2	0	0	2	100%	100%
<b>32-420-353 CAM FOR CNC LATHE</b>						
Face-to-Face	17	0	0	17	100%	100%
<b>32-420-355 COMPETITIVE MACHINING TECHNIQS</b>						
Face-to-Face	18	2	0	20	90%	90%
Blended	1	1	0	2	50%	50%
<b>32-420-373 PRECISION MEASUREMENT</b>						
Face-to-Face	11	1	0	12	92%	92%
<b>32-420-379 JOB SKILLS FOR MANUFACTURING</b>						
Face-to-Face	16	1	0	17	94%	94%
<b>32-420-380 2-D CAM</b>						
Face-to-Face	18	1	0	19	95%	95%
<b>32-420-385 ADVANCED MACHINE CONCEPTS</b>						
Face-to-Face	16	1	0	17	94%	94%
<b>Total</b>	<b>285</b>	<b>17</b>	<b>0</b>	<b>302</b>	<b>94%</b>	<b>94%</b>