

# **Program Amendments**

January 24, 2020 (10-11:30am, CC127)

Program	Implementation
AS, Computer Science, PSU	2020/SU
AS, Music, PSU	2020/SU
Emergency Medical Technology CC	2020/SU
Gerontology CC	2020/SU
Horticulture AAS	2020/SU
Irrigation Technician CPCC	2020/SU
Manufacturing Technology AAS	2020/SU
Manufacturing Technology CC	2020/SU
Medical Billing and Coding CC	2020/SU
Nursing (RN) AAS	2020/SU
Organic Farming CC	2020/SU

Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



### COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

## College: Clackamas Community College

Date

CAREER LEARNING AREA							
Ag, Food & Natural Resource Systems	Health Services						
Arts, Information & Communications	Human Resources						
Business & Management	Industrial & Engineering Systems						

PROGRAM INFORMATION									
<u>APPROVED</u> Program Title	APPROVE CIP Code (Include 7 <sup>th</sup> & 8 for OCCURS rep <u>6-digit CIP</u>	<sup>th</sup> digits		<u>APPROVED</u> Recognition Award	Current Credits				
AS Area of Emphasis Title: Computer Science				Associate of Applied Science Area of Emphasis	99-106				
Partnering Institution Name Portland State University									

Last amendment approved on 12/07/18

TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)								
New Agreement	<b>Curriculum Revision</b>	Revision in Pro	gram Credits					
		<i>Proposed</i> Total Credits:	100-106					
□ SUSPENSION of Program	Reason for Suspension:							
Suspension Effective Date:								

<b>20-21</b> ed] Hours	Credits
ed]	Credits
Hours	Credits
44	4
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	Arts & Lett Science el	ters or Social lectives		3-4					
	Computer recommen	Science ided electives		3-4					
Arts & Letters	or Social So	cience Electives				-		-	
or above relat any 100 level the prefixes of Arts & Letters ASL, BA, CON WR Social Science ANT, EC, GE	ing to histor or above Ar : : MM, ENG, F e: 2, HST, PS,	r Theatre Arts (TA) ( y and appreciation, ts & Letters or Socia R, GER, HUM, J, M , PSY, SOC, SSC, V nmended Electives	mance, or course in						
					Cturd a rate may		frame the f		
Students must choose 9-12 credits from the following courses: CS-140L*, CS-160*, CS-125H, CS-133S, CS-234J, and CS- 234P, CS-240L. *Highly recommended					Students must choose 6-8 credits from the following courses: CS- 160*, CS-125H, CS-133S, CS-234J, and CS-234P, CS-240L *Highly recommended				
Science Elect	ives								
		cience course listed b. 50 of this catalog.	under pre	fixes: BI,					
TOTAL CURRENT CREDITS: 99-106				99-106	TOTAL PF	ROPOSED CREDIT	'S:		100-106
College Cor	ntact	Rich Albers				Telephone No.	3166		
E-Mail Add	ress	richa@clackamas	s.edu			Fax No.			
Chief Acade Officer <i>or</i> C Signature		Tr	$\sim_{o}$		Zu	1	Date	1/15/2	0

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#### College: Clackamas Community College

Date

CAREER LEARNING AREA							
Ag, Food & Natural Resource Systems	Health Services						
Arts, Information & Communications	Human Resources						
Business & Management	Industrial & Engineering Systems						

PROGRAM INFORMATION								
<u>APPROVED</u> Program Title	APPROVED         CIP Code         (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)         6-digit CIP       Z <sup>th</sup> 8 <sup>th</sup> <u>digit</u> <u>digit</u>			<u>APPROVED</u> Recognition Award	Current Credits			
AS Area of Emphasis Title: Music				Associate of Applied Science Area of Emphasis	103- 110			
Partnering Institution Name Portland State University								

TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)								
New Agreement	Curriculum Revision	Revision in Program Credit						
		<i>Proposed</i> Total Credits:	100- 107					
□ SUSPENSION of Program	Reason for Suspension:							
Suspension Effective Date:								

CURRENT CURRICULUM 15:00         PROPOSED CURRICULUM 20:00:00:01           (Just entre uncluin is bis approved)           Course Title         Hook         Course Title         Number           MUP-102         Wind Ensemble         or         or<	<b>CURRICULUM AMENDMENT</b> [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.]							
Course Number         Course Title         Clock Program Requirements - First Year         Course Title         Course Title <td colspan="2"></td> <td>И 19-20</td> <td></td> <td></td> <td colspan="3"></td>			И 19-20					
Fall Term         Image: Construct of the semable of the semaple			Clock	Credits			Clock	Credits
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Or MUP-105 Or Or Or MUP-127.         Or Chamber Choir or Or Or Or Or Or Or Or Or Or Or Or Or Or	Fall Term							
NUP-105 or WUP-122 NUP-171-1 191 0r         Jazz Ensemble or or MUP-114 10dvidual Lessons         20 2         2 2	-			1-2				
MUP-122 or of MUP-141         Chamber Choir of Callego Orchestra         20         2           191         Individual Lessons/Jazz         20         2	MUP-105	Jazz Ensemble						
NUP-141 OP         College Orchestra or individual Lessons/Jazz         20         2           191         Individual Lessons/Jazz         20         2         Image: Constraint of the con	MUP-122							
'MUP-171- or individual Lessons'Jazz         20         2 <th2< th="">         2         2</th2<>	-	-						
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NUS-1111       Music Theory I       33       3	MUP-171J-	Individual Lessons/Jazz						
MUS-111L       Music Notation Software I       11       1		Music Theory I	33	3				
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MUS-189         Performance & Repertoire         10         1         Image: Composition         44         4         Image: Composition         44         4         Image: Composition         10         11         Image: Composition         Image: Composition         Image: Composition         Image: Composition         Image: Composition <th< td=""><td>MUS-114</td><td>Aural Skills I</td><td>22</td><td>2</td><td></td><td></td><td></td><td></td></th<>	MUS-114	Aural Skills I	22	2				
WR-121         English Composition         44         4         4           Winter Term         MUP-102         Wind Ensemble or Jazz Ensemble or MUP-105         Image: Composition Jazz Ensemble or MUP-122         Image: Composition or MUP-122         Image: Composition or MUP-121         Image: Composition or MUP-121         Image: Composition or MUP-171-         Image: Composition or MUP-171-         Image: Composition or MUP-171-         Image: Composition or MUP-171-         Image: Composition or MUS-112         Image: Composition or MUS-112         Image: Composition or MUS-112         Image: Composition or MUS-112         Image: Composition or MUS-112         Image: Composition or MUS-113         Image: Composition or MUS-114         Image: Composition or Or         Image: Composition or Or MUS-114         Image: Composition or Or Or Or Or Or Or Or Or Or Or Or Or Or	MUS-127	Keyboard Skills I	22	2				
Winter Term       MUP-102       Wind Ensemble       Image: Constraint of the semble of or	MUS-189	Performance & Repertoire	10	1				
MUP-102 Or       Wind Ensemble or       1-2         MUP-102 Or       Jazz Ensemble or       1-2         MUP-122 Or       Chamber Choir or       1         MUP-121 Or       Individual Lessons       20         191 Or       Individual Lessons/Jazz       20         191 MUP-171J-       Individual Lessons/Jazz       20         191 MUS-112L       Music Theory I       33       3         MUS-112L       Music Theory I       33       3         MUS-112L       Music Notation Software I       11       1         MUS-112L       Music Repertoire       10       1         MUS-113E       Aural Skills I       22       2         MUS-114D       College Algebra or       01       1         MUS-115       Math in Society Or       44-55       4-5         Or       Or       Or       Or       0         MTH-105       Math in Society Or       0       1       1         Or       Or       Or       0       1         MTH-112       Or       Or       0       0         MTH-125       Or       Or       1       1         Or       Or       Or       1       1	WR-121	English Composition	44	4				
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MUS-128Keyboard Skills I222Image: Constraint of the symbol of				-				
MUS-189Performance & Repertoire101Image: Constraint of the symbol of the sym								
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Or     or       MUP-141     College Orchestra       *MUP-171-     Individual Lessons       20     2								
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NUS-16         Aural Skils I         22         2         Image: Control of the second sec	MUS-113	Music Theory I	33	3				
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WR-122         English Composition         44         4         Image: Composition         Image: Composition <thimage: composition<="" th="">         Image: Compositi</thimage:>				-				
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Fall Term         Fall Term           NUP-202         Wind Ensemble         44-55         1-2         Image: Constrained of the second of the seco	VVIN-122	English Composition			anto Cocond	Veer		
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Or MUP-271-1- 2911         Individual Lessons/Jazz         Image: Constraint of the second of the sec								
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MUS-189         Performance & Repertoire         10         1         Image: Constraint of the second se								
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Education electiveIIIIIIIWinter TermMUP-202Wind Ensemble or Or MUP-225Jazz Ensemble or or MUP-2241-21-2II <t< td=""><td>1003-224</td><td></td><td>22</td><td>-</td><td></td><td></td><td></td><td> </td></t<>	1003-224		22	-				 
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or MUP-241Or College OrchestraImage: College Orchestra <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		-						
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291 Or MUP-271J- 2910or Individual Lessons/JazzImage: Second Sec	MUP-241	College Orchestra						
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291JImage: second s		Individual Lessons/Jazz						
MUS-189Performance & Repertoire101Image: marked base in the second se								
MUS-212         Music Theory II         33         3         Image: Constraint of the constraint								
MUS-212LMusic Notation Software II331REMOVEMUS-215Keyboard Skills II222MUS-225Aural Skills II222 </td <td>MUS-189</td> <td>Performance &amp; Repertoire</td> <td>10</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>	MUS-189	Performance & Repertoire	10	1				
MUS-212LMusic Notation Software II331REMOVEMUS-215Keyboard Skills II222MUS-225Aural Skills II222Social Science General Education elective4 </td <td>MUS-212</td> <td>Music Theory II</td> <td>33</td> <td>3</td> <td></td> <td></td> <td></td> <td></td>	MUS-212	Music Theory II	33	3				
MUS-215Keyboard Skills II2221111MUS-225Aural Skills II2221111Social Science General Education elective441111Science/Math/Computer Science General Education elective331111Science/Math/Computer Science General Education elective3311111Spring TermMUP-202 Or Or MUP-205Wind Ensemble or Or Or Or MUP-22244-55 Or Or Or Or Or Or Or Or MUP-22144-55 Or 	MUS-212L		33	1		RE	MOVE	
MUS-225Aural Skills II222Image: Constraint of the second of th				2				
Social Science General Education elective4999Science/Math/Computer Science General Education elective33611Spring TermMUP-202Wind Ensemble or Or MUP-20544-551-21-211MUP-205 or MUP-222Or or Or Or MUP-24144-551-2111*MUP-271- 291Individual Lessons or or2021111					1			
Education electiveImage: science (Math/Computer Science General Education elective3Image: science (Math/Computer Science General Education elective3Spring TermMUP-202Wind Ensemble or Or MUP-20544-551-2Image: science (Math/Computer Science General Education elective44-551-2MUP-205Jazz Ensemble or Or MUP-222Chamber Choir or Or Or MUP-24144-551-2Image: science (Math/Computer Computer Or Or Or Or Or Or Or MUP-241Image: science (Math/Computer College Orchestra44-551-2Image: science (Math/Computer Computer Or <td></td> <td></td> <td><u> </u></td> <td></td> <td></td> <td></td> <td></td> <td></td>			<u> </u>					
Science/Math/Computer Science General Education elective33699Spring TermMUP-202 Or 								
Science General Education electiveImage: science General Education electiveImage: science General Education electiveImage: science General 			1	3	1			
Education electiveIIIIISpring TermMUP-202Wind Ensemble44-551-2IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				Ŭ				
Spring TermMUP-202Wind Ensemble or 0r44-551-2Or Or 								
MUP-202 Or MUP-205 or MUP-205 or Or MUP-222Wind Ensemble or or Or Or Or Or MUP-222 Or Or Or Or MUP-24144-55 Advector College Orchestra1-2 Advector Advector Advector Devector<	Spring Term		-	•	-			
OrorororMUP-205Jazz Ensemble-ororMUP-222Chamber ChoirororMUP-241College Orchestra*MUP-271-Individual Lessons291or		Wind Ensemble	44-55	1-2	1			
MUP-205 or MUP-222Jazz Ensemble or Chamber Choir or Or MUP-241Individual LessonsIndividual LessonsIndiv			<del>-</del> -00	<sup>' 2</sup>				
or MUP-222 or MUP-241or Or Or College Orchestraor Por<								
MUP-222 or MUP-241Chamber Choir or College OrchestraImage: College OrchestraImage: College OrchestraImage: College Orchestra*MUP-271- 291Individual Lessons or202								
or MUP-241or College Orchestraor Aoror Aoror*MUP-271- 291Individual Lessons202ororororor								
*MUP-271- Individual Lessons 20 2 291 or								
291 or								
		Individual Lessons	20	2				
Or Individual Lessons/Jazz								
	Or	Individual Lessons/Jazz						

MUS-213Music TheorMUS-213LMusic NotatMUS-216Keyboard SIMUS-226Aural SkillsArts & LetteEducation e	ion Software II	10 33	1 3						
MUS-213       Music Theorem         MUS-213L       Music Notat         MUS-216       Keyboard SI         MUS-226       Aural Skills          Arts & Lette         Education e	ry II ion Software II	33							
MUS-213L       Music Notat         MUS-216       Keyboard S         MUS-226       Aural Skills          Arts & Lette         Education e	ion Software II		3						
MUS-213L       Music Notat         MUS-216       Keyboard S         MUS-226       Aural Skills          Arts & Lette         Education e	ion Software II								
MUS-216 Keyboard S MUS-226 Aural Skills Arts & Letter Education e		33	1		REMOVE	-			
MUS-226 Aural Skills Arts & Lette Education e	kills II	22	2						
Arts & Lette Education e		22	2						
Education e			4						
			•						
Science/Mat	th/Computer		4						
Science Ger									
Education e	lective								
Catalog Notes		-	-			-			
*Lessons must be in same in	nstrument discipl	ine, but m	ay be in						
different styles.									
Note: For students pursuing		1UP-104 J	azz Combo						
may be substituted for MUS-									
Arts & Letters, Social Scienc	e, or Science/Ma	ath/Compu	iter Science						
Arts & Letters			005 005	Arts & Letter	-				
<b>ART</b> -101, 102, 103, 115, 116					<mark>2, 103,</mark> 115, 116, 117, 131, 204				
227, 250, 251, 252, 253, 254	1, 255, 281, 282,	283, 284,	285, 286,		1, 252, 253, 254, 255, 281, 282	, 283, 284,	285, 286,		
291, 292, 293;				291, 292, 293					
<b>ASL-</b> 201, 202, 203; <b>BA-</b> 130:				<b>ASL</b> -201, 202 <b>BA</b> -130:	2, 200,				
<b>COMM</b> -126, 140, 212, 218, 2	219. 227:				140, 212, 218, 219, 227;				
DMC-195;	210, 227,			<b>DMC</b> -195;	110, 212, 210, 210, 221,				
<b>ENG</b> -104, 105, 106, 107, 108	8, 109, 116, 121	, 130, 195	, 201, 202,		5, 106, 107, 108, 109, 116, 121	1, 130, 195.	201, 202,		
204, 205, 213, 218, 226, 240					3, 218, 226, 240, 241, 250, 251				
270;				270;					
FR-201, 202, 203, 211;					<b>FR</b> -201, 202, 203, 211;				
<b>GER</b> -201, 202, 203;	_			<b>GER</b> -201, 202, 203;					
<b>HUM</b> -160, 235, 240, 241, 24	-2;			<b>HUM</b> -160, 235, 240, 241, 242;					
<b>J</b> -211;	E 206 211 212	040.		J-211; MUS-105 111 112 113 205 206 211 212 213					
<b>MUS</b> -105, 111, 112, 113, 20 <b>PHL</b> -101, 102, 103, 205, 210		, 213,		<b>MUS</b> -105, 111, 112, 113, 205, 206, 211, 212, 213; <b>PHL</b> -101, 102, 103, 205, 210;					
<b>SPN-</b> 201, 202, 203; 210	Ј,			<b>SPN-</b> 201, 202					
<b>TA-</b> 101, 102, 103, 141, 142,	143.				103, 141, 142, 143;				
<b>WR</b> -220, 241, 242, 243, 244		263. 265.	270:		, 242, 243, 244, 245, 248, 262,	263, 265, 2	270:		
Social Science	, -, -, -,	,,	- ,	- ,	, , , , , , , , , ,	,,	- 1		
ANT-101, 102, 103, 231, 232	2:								
<b>CJA</b> -101;	_,								
<b>EC</b> -200, 201, 202;									
GEO-100, 110, 130, 208;									
<b>HST</b> -101, 102, 103, 130, 131		, 138, 201,	202, 203;						
<b>PS</b> -200, 201, 203, 204, 205,									
<b>PSY-</b> 200, 205, 215, 219, 231									
<b>SOC</b> -204, 205, 206, 210, 225 <b>SSC</b> -160, 235, 240, 241, 242									
<b>WS-</b> 101;	∠,								
Science/Math/Computer Science	cience								
<b>ASC</b> -175, 176, 177;									
<b>BI</b> -101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176,									
177, 204, 211, 212, 213, 231, 232, 233, 234;									
CH-104, 105, 106, 112, 114, 221, 222, 223;									
<b>ESR</b> -171, 172, 173;									
<b>G</b> -101, 102, 103, 145, 148, 201, 202, 203;									
<b>GS</b> -104, 105, 106, 107;									
MTH-211, 212, 213, 243, 24			1;						
	203, 211, 212, 2	213;							
<b>PH-</b> 121, 122, 123, 201, 202, <b>7</b> 201, 202, 203:		om c = 1 != *	hio						
<b>Z</b> -201, 202, 203;	a alaati								
<b>Z</b> -201, 202, 203; *MTH-252 may be used as a	•		1115						
Z-201, 202, 203; *MTH-252 may be used as a category if it has not already	used for the ma		1115						
<b>Z</b> -201, 202, 203; *MTH-252 may be used as a	used for the ma		103-110		OPOSED CREDITS:		100-107		

College Contact			Telephone No.		
E-Mail Address			Fax No.		
Chief Academic Officer <i>or</i> CTE Dean Signature	Just 7	ten		Date	1/22/20

Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



#### COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

This form should be completed electronically and the boxes will expand to accommodate text. Current instructions, forms, handouts and other useful resources are located at <a href="http://www.ode.state.or.us/search/results/?id=231">http://www.ode.state.or.us/search/results/?id=231</a>

College:     Clackamas Community College     Date	
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CAREER LEARNING AREA						
Ag, Food & Natural Resource Systems	Health Services					
Arts, Information & Communications	Human Resources					
Business & Management	Industrial & Engineering Systems					

PROGRAM INFORMATION								
<u>APPROVED</u> Program Title (For Official Program Title, refer to your directory at <u>http://www.ode.state.or.us/search/results/?id=232</u> )	APPROVED       CIP Code       (Include 7th & 8th digits used for OCCURS reporting.)       6-digit CIP       2th digit       digit			<u>APPROVED</u> Recognition Award	Current Credits			
AAS Title:				Associate of Applied Science (AAS) Degree				
<b>Option Title**</b>				OPTION to AAS     Degree				
Certificate Title: <u>Within</u> AAS Degree? √ Yes** □ No Emergency Medical Technology	51.0904			✓ SSC1 Statewide Certificate (45-60 credits)	54			

\*\*Enter name of base degree in `AAS Title' box LAST AMENDMENT APPROVED ON 1/18/19

## TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)									
New Program++	Curriculum Revision	Revision in Program Cred							
Title Change for Program		Proposed Total Credits:	56						
Proposed AAS Title:									
Proposed OPTION Title:									
Proposed Certificate Title:									
SUSPENSION of Program	Reason for Suspension:								
Suspension Effective Date:									

<b>CURRICULUM AMENDMENT</b> [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.										
						arter-to-quarter m culum section only				
	CURRENT CURRICULUM	19-20		<b>PROPOSED CURRICULUM 20-21</b> [List only course(s) to be amended]						
Course	[List entire curriculum as last appro Title	Hours	Credits						Credi	ts
Fall Term	The	nours	creates	court				Tiours	creat	
BI-231	Human Anatomy & Physiology I	66	4							
EMT-101*	Emergency Medical Technology Part I	77	5			Move to	Term 2		-	
EMT-105	Introduction to Emergency Medical Services	33	3							
MA-110	Medical Terminology	44	4							
MTH-065	Algebra II	44	4							
				WR-12	21	English Compo	osition	44	4	
Winter Term										
BI-232	Human Anatomy & Physiology II	66	4							
CJA-203	Crisis Intervention	33	3							
EMT-102	Emergency Medical Technology Part II	77	5			Move to	Term 3		-	
EMT-109	Emergency Response Communication/Documentati on	22	2							
WR-121	English Composition	44	4			Move to	Term 1			
				COMM- 111		Public Speaking		44	4	
				EMT-10	)1*	Emergency Medi Technician Part		99	6	
Spring Term	-	-				-		=		
BI-233	Human Anatomy & Physiology III	66	4							
COMM-111	Public Speaking	44	4			Move to	Term 2			
EMT-107	EMT Rescue	49	3							
EMT-108	Emergency Response Patient Transportation	44	2							
PSY-101	Human Relations	33	3							
				EMT-10	)2	Emergency Medi Technician Part		99	6	
Catalog Note	S									
	ition Required									
required; crir immunizatior	thcare Provider level CPR (AHA minal history background check, n, and students will be asked to the department	proof of								
	RENT CREDITS:		54	TOTAL	PR	OPOSED CREDIT	rs:	-	56	
College Co	ntact Tana Sawzak				Tel	ephone No.				
E-Mail Add						k No.				1
	lemic Officer <i>or</i>	tei	R	a f	a.1		Date	11/25/	19	1
		$\sim$			~					1

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#### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

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College:	Clackamas Community College	Date	
College:	Clackamas Community College	Date	

CAREER LEARNING AREA						
Ag, Food & Natural Resource Systems	Health Services					
Arts, Information & Communications	Human Resources					
Business & Management	Industrial & Engineering Systems					

PROGRAM INFORMATION								
<u>APPROVED</u> Program Title (For Official Program Title, refer to your directory at <u>http://www.ode.state.or.us/search/results/?id=232</u> )	APPROVED         CIP Code         (Include 7th & 8th digits used for OCCURS reporting.)         6-digit CIP       Zth digit digit digit			<u>APPROVED</u> Recognition Award	Current Credits			
AAS Title:				<ul> <li>Associate of</li> <li>Applied Science</li> <li>(AAS) Degree</li> </ul>				
<b>Related Certificates:</b> Gerontology for Health Care Professionals CP Nursing Assistant-Gerontology Specialist CP				OPTION to AAS Degree				
Certificate Title: <u>Within</u> AAS Degree? □ Yes** √ No Gerontology	30.1101			√ CC1 (45-60 credits)	46-47			

\*\*Enter name of base degree in `AAS Title' box LAST AMENDMENT APPROVED 11/15/19

TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)								
New Program++	□ Curriculum Revision ✓ Revision in Program C							
Title Change for Program		Proposed Total Credits:						
Proposed AAS Title:								
Proposed OPTION Title:								
Proposed Certificate Title:								
<b>SUSPENSION</b> of Program	Reason for Suspension:							
Suspension Effective Date:								

	[List in a Defined Sequ			MENDME		mapping.		
					culum section on			
С	URRENT CURRICULUM				ROPOSED CU		M 20-21	!
	[List entire curriculum as last appro				[List only course		ided]	
Course	Title	Hours	Credits	Course	Title	e	Hours	Credits
Fall Term		-	-				-	
GRN-179	Careers in Gerontology	11	1					
GRN-181	Issues in Aging	33	3					
HE-163	Body & Drugs I: Introduction to Abuse & Addiction	33	3					
WR-101 Or WR-121	Communication Skills: Occupational Writing or English Composition	33- 44	3-4					
	Gerontology program elective		5					
Winter Term								
GRN-182	Aging and the Body	33	3					
GRN-184	Aging & the Individual	33	3					
HE-164 Or HE-263 Or HE-264	Body & Drugs II: Alcohol or Body & Drugs III: Marijuana or Body & Drugs IV: Other Drugs, Other Addictions	33	3					
HS-154	Community Resources	33	3					
MTH-050 Or MTH-065 Or MTH-098	Technical Mathematics I or Algebra II or College Math Foundations	44	4					
Spring Term	1 oundations							
GRN-183	Death and Dying	33	3					
GRN-280	Gerontology/CWE	108	3					
HS-156	Conducting Human Service Interviews	33	3					
HS-170	Preparation for Field Experience in Human Services	33	3					
	Gerontology program elective		3					
	ogram Electives							
COMM-140	Introduction to Intercultural Communication	44	4					
CS-120	Survey of Computing	55	4					
ED-258	Multicultural Education	33	3					
FN-110	Personal Nutrition	33	3					

GRN-165	Life Enrichment with Older Adults	33	3				
GRN-290	Special Topics in Gerontology	11-33	1-3				
HE-164	Body & Drugs II: Alcohol	33	3				
HS-100	Introduction to Human Services	33	3				
HS-103	Ethics for Human Service Workers	22	2				
HS-211	Infectious Diseases and Harm Reduction	11	1				
HS-216	Group Counseling Skills	33	3				
HS-232	Case Management	33	3				
HS-256	Advanced Interviewing Skills with Theory	33	3				
HS-260	Victim Advocacy & Assistance	44	4		REMO	/E	
NUR-100	Nursing Assistant I	80	7				
NUR-100C	Nursing Assistant I Clinical	82	0				
NUR-101	Certified Nursing Assistant II	88	5				
NUR-101C	Certified Nursing Assistant II Acute Care Clinical	30	0				
PSY-219	Introduction to Abnormal Psychology	44	4				
Catalog Notes	S	-	-	-			
Other elective advisor.	es may be approved by the Ger	ontology	program				
TOTAL CUR	RENT CREDITS:		46-47	TOTAL PR	OPOSED CREDITS:		

College Contact	ege Contact Yvonne Smith		Telephone No.	3207			
E-Mail Address			Fax No.				
Chief Academic Officer or PTE Dean Signature			Ruà	KN	Date	12/14/19	
		0			•		

Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



#### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

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College:	Clackamas Community College	Date	1/10/20

CAREER LEARNING AREA					
Ag, Food & Natural Resource Systems	Health Services				
Arts, Information & Communications	Human Resources				
Business & Management	Industrial & Engineering Systems				

PROGRAM INFORMATION							
APPROVED         CIP Code         (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)         reporting.)         6-digit CIP       2 <sup>th</sup> digit       8 <sup>th</sup> digit         digit       digit       digit		igits S	<u>APPROVED</u> Recognition Award	Current Credits			
1.0601			✓ AAS (90-108 credits)	94-98			
			OPTION to AAS Degree				
			Certificate of Completion				
	APPR CIP ( (Include 7 <sup>th</sup> used for ( report <u>6-digit CIP</u>	APPROVED         CIP Code         (Include 7th & 8th di         used for OCCUR         reporting.)         6-digit CIP         Zth         digit	APPROVED         CIP Code         (Include 7th & 8th digits used for OCCURS reporting.)         6-digit CIP       Zth digit       8th digits         digit       Zth digit       8th digits	APPROVED CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)       APPROVED Recognition Award         6-digit CIP       Z <sup>th</sup> digit       8 <sup>th</sup> digit         1.0601       Image: Complex state sta			

LAST AMENDMENT APPROVED ON 01/18/2019

TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)						
New Program++	× Curriculum Revision ✓ Revision in Program C					
Title Change for Program		Proposed Total Credits:				
Proposed AAS Title:						
Proposed OPTION Title:						
Proposed Certificate Title:						
<b>SUSPENSION</b> of Program	Reason for Suspension:					
Suspension Effective Date:						

				MENDMEN			
	[List in a Defined Seque For a New Progra				Irter-to-quarter mappin ulum section only.]	g.	
0	CURRENT CURRICULUM 1			PROPOSED CURRICULUM 20-21			
	[List entire curriculum as last approve				[List only course(s) to be		-
Course	Title	Hours	Credits	Course	Title	Hours	Credits
OSU Transfer C							
HOR-112	Horticulture Career Exploration	24	2				
HOR-215	Herbaceous Perennials	44	3				
HOR-226	Plant Identification/Fall	44	4				
HOR-228	Plant Identification/Spring	44	4				
HOR-246	Organic Farming and Gardening	44	2				
	the horticulture courses will also ate (LDC) credits.	o transfer	as Lower				
		e Associat	te of Applie	d Science Deg	ree: 1 <sup>st</sup> Year	-	
Fall Term1							
HOR-111	Horticulture Practicum/Fall	44	2				
HOR-115	Horticulture Safety	10	1				
HOR-223	Applied Plant Science	44	4				
HOR-226	Plant Identification/Fall	44	4				
MTH-050	<b>Technical Mathematics</b>	44	4-5				
or	I						
MTH-065 or higher	or Algebra II						
level math	or higher level math						
Winter Term2	••••••••••••••••••••••••••••••••••••••						
HOR-130	Plant Propagation Theory	33-44	3				
Or HOR-131	or Tree & Shrub Pruning						
HOR-133	Horticulture Practicum/Winter	44	2				
HOR-216	Integrated Pest Management	33	3				
HOR-222	Horticultural Computer Applications	20	2				
HOR-227	Plant Identification/Winter	44	4				
Spring Term3		_ · T			I		
HOR-112	Horticulture Career Exploration	24	2				
HOR-120	Pesticide Laws & Safety	12	1				
HOR-120	Soils	33	3				
HOR-143	Horticulture	44	2				
	Practicum/Spring						
HOR-228	Plant Identification/Spring	44	4				
WR-101	Communication Skills:	33-	3-4				
Or	<b>Occupational Writing</b>	44					
WR-121	Or English Composition						
Summer Term4	English Composition	I			I		
HOR-281	Horticulture/CWE	190	6				
HOR-281 Or	or	180	6				

HOR-280	Horticulture/CWE						
and	and						
HOR-282	Horticulture/CWE	L					
Fall Term5	Horticulture	Associa	ate of Applie	ed Science Deg	ree: 2 <sup>nd</sup> Year		
BA-285	Human Relations in	33-	3-4	<b>—</b>			
Or	Business	- 33- 44	5-4				
COMM-100	or						
	Basic Speech Communication						
HOR-122	Greenhouse I	44	3				
Or	or		-				
HOR-224	Landscape Installation						
HOR-235	Weed Identification	20	2				
Or HOR-236	or Insect Identification						
SPN-101	First-Year Spanish I	44	4				
	Horticulture program electives		3				
Winter Term6							
BA-101	Introduction to Business	44	4				
BA-119	Project Management Practices	22	2				
HOR-230	Equipment Operation & Maintenance	44	2				
HOR-231	Irrigation Design	44	3				
HOR-237	Disease Identification	20	2				
	Horticulture program electives		3				
Spring Term7		-		-			
HOR-142	Greenhouse II	44	2-3				
Or HOR-145	or Turf Installation &						
	Maintenance						
HOR-240	Irrigation Practices	44	3				
	Horticulture program electives		8				
Horticulture Pro		-				•	
BA-223	Principles of Marketing	44	4				
HOR-113	Organic Farming Practicum/Fall	55	3				
HOR-122	Greenhouse I	44	3				
Or HOR-224	or Landscape Installation						
HOR-123	Landscape Maintenance	44	3				
HOR-124	Food Harvest	44	3				
HOR-125*	Food Production in the Willamette Valley	33	3				
HOR-126*	Landscape Water Features	20	1				
HOR-127*	Landscape Lighting	20	1				
HOR-128*	Landscape Stones & Pavers	20	1				
HOR-129*	Landscape Decks & Fences	20	1				

HOR-130	Plant Propagation Theory	33-44	3				
Or	or						
HOR-131	Tree & Shrub Pruning			_			
HOR-135	Propagation of Edible Plants	44	3				
HOR-136	Organic Farming Practicum/Winter	55	3				
HOR-141	Organic Farming Practicum/Spring	88	4				
HOR-142	Greenhouse II	44	2-3				
Or HOR-145	or Turf Installation & Maintenance						
HOR-146	Fruit & Berry Growing	44	3				
HOR-148	Farm Equipment	44	3				
HOR-211	Native Plant Identification	10	1				
HOR-212	Flower Arranger's Garden/Fall	44	2				
HOR-213*	Computer-Aided Landscape Design	44	3				
HOR-215	Herbaceous Perennials	44	3				
HOR-220	Plant Propagation/Fall	44	3				
HOR-225	Arboriculture I	33	3				
HOR-229*	Introduction to Landscape Design	44	3	HOR-229	Introduction to Landscape Design	44	3
HOR-232*	Commercial Floral Design	44	3				
HOR-235	Weed Identification	20	2				
Or	or						
HOR-236	Insect Identification						
HOR-239	Tree Climber Training	24	1				
HOR-241*	Nursery Management	33	3				
HOR-244*	Environmental Landscape Design	44	3				
HOR-246	Organic Farming and Gardening	44	2				
HOR-250	Herb Growing and Gardening	20	1				
HOR-251	Herbal Products	20	1				
HOR-252	Kitchen Herbs	20	1				
HOR-260	Arboriculture II	33	3				
HOR-261	Tree Diagnostics	44	2				
HOR-281	Horticulture/CWE	180	6				
Or	or						
HOR-280	Horticulture/CWE						
And HOR-282	Or Horticulture/CWE						
				WET-109	Backflow Assembly	66	4
				VVL1-109	Operation and Testing	00	7
*Offered alterna							
TOTAL CURRE	NT CREDITS:		94-98	TOTAL PR	OPOSED CREDITS:		

College Contact	April Chastain	Telephone No.	3055	
E-Mail Address		Fax No.		
Chief Academic Officer or PTE Dean Signature		ŝn	Date	1/10/20

Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



#### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

This form should be completed electronically and the boxes will expand to accommodate text. Current instructions, forms, handouts and other useful resources are located at <a href="http://www.ode.state.or.us/search/results/?id=231">http://www.ode.state.or.us/search/results/?id=231</a>

College:	Clackamas Community College	Date	1/9/20

CAREER LEARNING AREA					
Ag, Food & Natural Resource Systems	Health Services				
Arts, Information & Communications	Human Resources				
Business & Management	Industrial & Engineering Systems				

PROGRAM INFORMATION						
<u>APPROVED</u> Program Title (For Official Program Title, refer to your directory at <u>http://www.ode.state.or.us/search/results/?id=232</u> )	APPROVED         CIP Code         (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)         reporting.)         6-digit CIP       2 <sup>th</sup> digit       8 <sup>th</sup> digit         digit       digit       digit		igits S	<u>APPROVED</u> Recognition Award	<u>Curren</u> <u>t</u> Credits	
AAS Title: Horticulture AAS				Associate of Applied Science (AAS) Degree		
<b>Option Title**</b>				OPTION to AAS Degree		
Certificate Title: <u>Within</u> AAS Degree? √ Yes** □ No Irrigation Technician	1.0601			✓ Career Pathway (12-44)	15	

\*\*Enter name of base degree in 'AAS Title' box

TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)						
New Program++	×         Curriculum Revision         X         Revision in Program           Proposed Total Cred         Proposed Total Cred         Program		ogram Credits			
Title Change for Program			19			
Proposed AAS Title:						
Proposed OPTION Title:						
Proposed Certificate Title:						
SUSPENSION of Program	Reason for Suspension:					
Suspension Effective Date:						

		equence of (	Courses For		<b>NT</b> Jarter-to-quarter mapping. culum section only.]		
C	URRENT CURRICULUI [List entire curriculum as last ap			P	<b>PROPOSED CURRICULU</b> [List only course(s) to be ame		!
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Winter Term							
HOR-231	Irrigation Design	44	3				
HOR-281 Or HOR-280 And HOR-282	Horticulture/CWE or Horticulture/CWE And Horticulture/CWE	180	6		Move to Spring Terr	n	
				WET-109	Backflow Assembly Operation and Testing	66	4
Spring Term	-					-	
HOR-140	Soils	33	3				
HOR-240	Irrigation Practices	44	3				
				HOR-281 Or HOR-280 And HOR-282	Horticulture/CWE or Horticulture/CWE And Horticulture/CWE	180	6
TOTAL CURR	ENT CREDITS:		15	TOTAL PR	OPOSED CREDITS:		19

College Contact	April Chastain	Telephone No.	3055	
E-Mail Address		Fax No.		
Chief Academic Offic PTE Dean Signature		in	Date	1/10/20

Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



#### **COMMUNITY COLLEGE PROGRAM AMENDMENT FORM**

(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

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College:	Clackamas Community College	Date	1/9/20

CAREER LEARNING AREA				
Ag, Food & Natural Resource Systems	Health Services			
Arts, Information & Communications	Human Resources			
Business & Management	Industrial & Engineering Systems			

PROGRAM INFORMATION					
<u>APPROVED</u> Program Title (For Official Program Title, refer to your directory at <u>http://www.ode.state.or.us/search/results/?id=232</u> )	APPROVED         CIP Code         (Include 7th & 8th digits used for OCCURS reporting.)         G-digit CIP         Zth       Sth         digit       digit			<u>APPROVED</u> Recognition Award	Current Credits
AAS Title:				Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				OPTION to AAS Degree	
Certificate Title: <u>Within</u> AAS Degree? □ Yes** √ No Organic Farming	1.0304			✓ CC1 (45-60 credits)	56-59

\*\*Enter name of base degree in 'AAS Title' box LAST AMENDMENT APPROVED ON 1/18/2019

TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)					
New Program++	X Curriculum Revision	✓ Revision in Program Credits			
Title Change for Program		Proposed Total Credits:			
Proposed AAS Title:					
Proposed OPTION Title:					
Proposed Certificate Title:					
<b>SUSPENSION</b> of Program	Reason for Suspension:				
Suspension Effective Date:					

++If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.

lis\i:\curriculum office\(02) curriculum committee\1-meetings\2019-20 meetings\2020 - 01.17\program changes\amendments\amendment organic farming cc.docx\09202005 (Revised 05/17/05)

		uence of (	Courses For		uarter-to-quarter mapping.		
			plete the P		iculum section only.]		
C	<i>CURRENT CURRICULUM 19-20</i> [List entire curriculum as last approved)				<b>PROPOSED CURRICUL</b> [List only course(s) to be ar		2
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
HOR-113	Organic Farming Practicum/Fall	55	3				
HOR-124	Food Harvest	44	3				
HOR-235	Weed Identification	20	2		REMOVE		
HOR-236	Insect Identification	20	2		REMOVE		
WR-101 Or WR-121	Communication Skills: Occupational Writing or English Composition	33- 44	3-4				
	Organic Farming program electives		2				
				HOR-223	Applied Plant Science	44	4
Winter Term	-			-			
HOR-135	Propagation of Edible Plants	44	3				
HOR-136	Organic Farming Practicum/Winter	55	3				
HOR-216	Integrated Pest Management	33	3				
HOR-237	Disease Identification	20	2				
MTH-050 Or MTH-065 Or higher	Technical Mathematics I or Algebra II or higher level math	44- 55	4-5				
Spring Term					-		
HOR-140	Soils	33	3				
HOR-141	Organic Farming Practicum/Spring	88	4				
HOR-148	Farm Equipment	44	3				
	Organic Farming program electives		4				
Summer Term							
BA-285 Or COMM-100	Human Relations in Business or Basic Speech Communication	33- 44	3-4				
HOR-146	Fruit & Berry Growing	44	3				
HOR-284	Organic Farming - Campus Farm/CWE	108	3				
HOR-285	Organic Farming/CWE	90	3				
Organic Farmin	g Program Electives	-		-		-	
BA-101	Introduction to Business	44	4				

BA-223	Principles of Marketing	44	4				
HOR-125*	Food Production in the Willamette Valley	33	3		REMOVE		
HOR-231	Irrigation Design	44	3				
HOR-240	Irrigation Practices	44	3				
HOR-246	Organic Farming and Gardening	44	2				
HOR-250	Herb Growing and Gardening	20	1				
HOR-251	Herbal Products	20	1				
HOR-252	Kitchen Herbs	20	1				
				HOR-235	Weed Identification	20	2
				HOR-236	Insect Identification	20	2
*Offered alter	nate years				REMOVE		
TOTAL CURP	RENT CREDITS:		56-59	TOTAL PR	<i>POPOSED</i> CREDITS:		

College Contact	April Chastain	<b>Telephone No.</b>	3055	
E-Mail Address		Fax No.		
Chief Academic Offic PTE Dean Signature		len	Date	1/10/20

Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



#### COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

This form should be completed electronically and the boxes will expand to accommodate text. Current instructions, forms, handouts and other useful resources are located at <a href="http://www.ode.state.or.us/search/results/?id=231">http://www.ode.state.or.us/search/results/?id=231</a>

College:	Clackamas Community College	Date	

CAREER LEARNING AREA				
Ag, Food & Natural Resource Systems	Health Services			
Arts, Information & Communications	Human Resources			
Business & Management	Industrial & Engineering Systems			

PROGRAM INFORMATION						
<u>APPROVED</u> Program Title (For Official Program Title, refer to your directory at <u>http://www.ode.state.or.us/search/results/?id=232</u> )	APPROVED         CIP Code         (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)         6-digit CIP       Z <sup>th</sup> 8 <sup>th</sup> digit       digit		igits S	<u>APPROVED</u> Recognition Award	Current Credits	
AAS Title: Manufacturing Technology	15.0613			✓ AAS (90-108 credits)	94	
Option Title**				OPTION to AAS Degree		
Related Certificates: CNC Machining Technician CP Manufacturing Technology Certificate Mastercam Certificate **Enter name of base degree in 'AAS Title' box				Certificate of Completion		

LAST AMENDMENT APPROVED ON 01/19/18

Check ALL That Apply)							
New Program++	Curriculum Revision Revision in Program Cred						
Title Change for Program		Proposed Total Credits:					
Proposed AAS Title:	Machine Tool Technology						
Proposed OPTION Title:							
Proposed Certificate Title:							
SUSPENSION of Program	Reason for Suspension:						
Suspension Effective Date:							

					Inter-to-quarter mapping	n		
					culum section only.]	y.		
6	<b>CURRENT CURRICULUM</b> [List entire curriculum as last appro	19-20		[List only course(s) to be amended]			!	
Course	Title	Hours	Credits	Course	Title	Hours	Hours Credits	
	Manufacturing Te	chnology	Associate o	f Applied Sci	ence Degree: 1 <sup>st</sup> Year			
First Term								
MFG-104	Print Reading	24	2					
MFG-107	Industrial Safety & First Aid	33	3					
MFG-111	Machine Tool Fundamentals I	198	9					
MTH-050*	Technical Mathematics I	44	4					
Second Term								
MFG-105	Dimensional Inspection	28	2					
MFG-109 Or	Computer Literacy for Technicians	33-39	3					
MFG-209	or Programming & Automation for Manufacturing							
MFG-112	Machine Tool Fundamentals II	198	9					
MTH-080	Technical Mathematics II	33	3					
Third Term		-			-			
MFG-106	Advanced Applied Geometric Dimensioning and Tolerancing for Manufacturing	33	3					
MFG-201	CNC I: Set-up and Operation	88	4					
MFG-280	Manufacturing Technology/CWE	72	2					
WR-101*	Communication Skills: Occupational Writing	33	3					
	Human Relations requirement (see page 82)		3					
	Manufacturing Te	chnology	Associate of	f Applied Scie	ence Degree: 2 <sup>nd</sup> Year			
Fourth Term								
MFG-113	Machine Tool Fundamentals III	198	9					
MFG-204	Computer-Aided Manufacturing I	88	4					
	Manufacturing Technology program electives		3					
Fifth Term								
MFG-202	CNC II: Programming & Operation	88	4					
MFG-205	Computer-Aided Manufacturing II	88	4					

MFG-211	Machine Tool Fundamentals IV	132	6			
Sixth Term						
MFG-203	CNC III: Applied Programming & Operation	66	3			
MFG-206	Computer-Aided Manufacturing III	66	3			
MFG-221	Materials Science	66	3			
MFG-280	Manufacturing Technology/CWE	72	2			
*	General elective (any course 100 level or above)		3			
Manufacturing	Technology Program Electives	5				
Complete three	e or more credits from the folle	owing:				
CDT-102	Sketching & Problem Solving	66	3			
CDT-103	Computer-Aided Drafting I	66	3			
CDT-108A	Introduction to SolidWorks	66	3			
CDT-223	Inventor Fundamentals	66	3			
CDT-225	Advanced SolidWorks	66	3			
MET-170	Introduction to Manufacturing Processes	33	3			
MFG-103	Machining for Fabrication & Maintenance	66	3			
MFG-130	Basic Electricity I	33	3			
MFG-219	Robotics	66	3			
WLD-150	Welding Processes	88	4			
	Other technical courses with departmental approval		4			
plan to continu institution. It is advisor or a sta requirements c	lege transfer courses for these le your education at a higher es recommended that you cons aff member in Student Service of the specific advanced progra	education ult with a s for the	n faculty transfer			
	ransfer Courses					
Oregon Tech, o classes into Or Technology de	Technology Department, in pa offers a significant number of egon Tech's Manufacturing En gree program. For informatior nology Department, 503-594-	transfera gineering contact	ble J			
TOTAL CURR	ENT CREDITS:		94	TOTAL PR	OPOSED CREDITS:	

College Contact	Industrial Technology Department	Telephone No.	3318	
E-Mail Address		Fax No.		
Chief Academic Offic PTE Dean Signature		sen	Date 1/3/20	
	0			

Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



#### COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

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College:     Clackamas Community College     Date	
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CAREER LEARNING AREA					
Ag, Food & Natural Resource Systems Health Services					
Arts, Information & Communications	Human Resources				
Business & Management	Industrial & Engineering Systems				

PROGRAM INFORMATION					
<u>APPROVED</u> Program Title (For Official Program Title, refer to your directory at <u>http://www.ode.state.or.us/search/results/?id=232</u> )	APPROVED         CIP Code         (Include 7th & 8th digits used for OCCURS reporting.)         6-digit CIP       Zth digit digit digit         digit       digit		gits S	<u>APPROVED</u> Recognition Award	Current Credits
AAS Title: Manufacturing Technology AAS				Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				OPTION to AAS Degree	
Certificate Title: <u>Within</u> AAS Degree? √ Yes** □ No Manufacturing Technology	15.0613			✓ CC1R Related Certificate (45-60 credits)	50

\*\*Enter name of base degree in 'AAS Title' box LAST AMENDMENT APPROVED ON 01/19/18

TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)						
New Program++	Curriculum Revision	Credits				
Title Change for Program		Proposed Total Credits:				
Proposed AAS Title:						
Proposed OPTION Title:						
<b>Proposed</b> Certificate Title:	Machine Tool Technology					
<b>SUSPENSION</b> of Program	Reason for Suspension:					
Suspension Effective Date:						

++If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.

lis\i:\curriculum office\(02) curriculum committee\1-meetings\2019-20 meetings\2020 - 01.17\program changes\amendments\amendment manufacturing technology cc.docx\09202005 (Revised 05/17/05)

<b>CURRICULUM AMENDMENT</b> [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.								
	For a New Prog							
C	CURRENT CURRICULUM			<b>PROPOSED CURRICULUM 20-21</b> [List only course(s) to be amended]				
Course	Title	Hours	Credits	Course		Fitle	Hours	Credits
First Term								
MFG-104	Print Reading	24	2					
MFG-107	Industrial Safety & First Aid	33	3					
MFG-111	Machine Tool Fundamentals I	198	9					
MTH-050*	Technical Mathematics	44	4					
Second Term	-	-	-		_			- 
MFG-105	Dimensional Inspection	28	2					
MFG-109 Or MFG-209	Computer Literacy for Technicians or Programming & Automation for Manufacturing	33-39	3					
MFG-112	Machine Tool Fundamentals II	198	9					
MTH-080	Technical Mathematics II	33	3					
Third Term	-							
MFG-106	Advanced Applied Geometric Dimensioning and Tolerancing for Manufacturing	33	3					
MFG-201	CNC I: Set-up and Operation	88	4					
MFG-280	Manufacturing Technology/CWE	72	2					
WR-101*	Communication Skills: Occupational Writing	33	3					
	Human Relations requirement (see page 82)		3					
Catalog Notes								
*Substitute co plan to continu institution. It is advisor or a st	llege transfer courses for thes ue your education at a higher s recommended that you cons aff member in Student Service of the specific advanced progr	education sult with a es for the	n faculty transfer					
Oregon Tech 1	Transfer Courses							
Oregon Tech, classes into Or Technology de	Technology Department, in pa offers a significant number of regon Tech's Manufacturing Er egree program. For information nnology Department, 503-594	transferangineering	ble J					
TOTAL CURR	RENT CREDITS:		50	TOTAL PR	<i>oposed</i> Cr	EDITS:		

College Contact	Industrial Technology Department	Telephone No.	3318	
E-Mail Address		Fax No.		
Chief Academic Offic PTE Dean Signature		acu	Date	1/3/20
	0	<b>v</b>		

Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



#### COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

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College:Clackamas Community CollegeDate	
---	--

CAREER LEARNING AREA						
Ag, Food & Natural Resource Systems	Health Services					
Arts, Information & Communications	Human Resources					
✓ Business & Management	Industrial & Engineering Systems					

PROGRAM INFORMATION					
<u>APPROVED</u> Program Title		R <u>OVED</u> Code	2	<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>Z<sup>th</sup> digit</u>	<u>8<sup>th</sup> digit</u>		
(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)					
Parent AAS Title:				Associate of Applied Science (AAS) Degree	
<b>Option Title**</b>				OPTION to AAS Degree	
Certificate Title: <u><i>Within</i> AAS Degree? √ Yes** □</u> No Medical Billing and Coding	51.0713	J		CC0 Certificate (31-44 credits)	37

\*\*Enter name of base degree in `AAS Title' box Program approved on 05.03.19

# TYPE OF PROGRAM AMENDMENT (Check ALL That Apply) Curriculum Revision Revision in

New Program++	Curriculum Revision	Revision in Program Credits
Title Change for Program		Proposed Total Credits:
Proposed AAS Title:		
Proposed OPTION Title:		
Proposed Certificate Title:		
<b>SUSPENSION</b> of Program	Reason for Suspension:	
Suspension Effective Date:		

CURRICULUM AMENDMENT										
					Quarter-to-quarter mapping. Irriculum section only.]					
CUI	CURRENT CURRICULUM 2019-20				PROPOSED CURRICULUM 2020-21					
	[List entire curriculum as last approv			[List only course(s) to be amended]						
Course	Title	Hours	Cred its	Course	Title	Hours	Credits			
Program Req	uisites*	_	-			-				
MA-110	Medical Terminology	44	4							
MTH-060	Algebra I	44	4		Remove					
or MTH-098	Or College Math Foundations									
WR-121	English Composition	44	4							
				BI-120*	Introduction to Human Anatomy and Physiology	66	4			
First Term		-	-		-					
BI-120	Introduction to Human Anatomy and Physiology	66	4		Move to Program Requisi	ites				
MBC-115	Insurance Billing and Reimbursement I	44	4							
MBC-120	Introduction to Medical Coding	33	3							
MBC-135	Law and Ethics for Healthcare Professions	33	3							
				MTH-060 or MTH-098	Algebra I Or College Math Foundations	44	4			
Second Term		-		-		-				
BA-131	Introduction to Business Computing	44	4							
MBC-116	Insurance Billing and Reimbursement II	33	3							
MBC-125	ICD-10 Coding I	33	2							
MBC-126	CPT/HCPCS Coding I	44	4							
Third Term	1	-	-		-	I	-			
COMM-218	Interpersonal Communication	44	4							
MBC-140	Billing and Coding Exam Review	30	1							
MBC-225	ICD-10, CPT® and HCPCS Coding II	55	5							
Catalog Notes	S		_							
					option to meet biology require 232, and BI-233.	ement: Co	mplete			
TOTAL CUR	RENT CREDITS:		37		OPOSED CREDITS:					

College Contact	Cindy Garner Telephone No.	<b>No.</b> 0672
E-Mail Address	Cindy.garner@clackamas.edu Fax No.	n/a
Chief Academic Offic PTE Dean Signature		Date 1/10/20
	0	

Office of Educational Improvement & Innovation

Phone: (503) 378-3600 FAX: (503) 378-5156



#### COMMUNITY COLLEGE PROGRAM AMENDMENT FORM

(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

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College:	Clackamas Community College	Date	

CAREER LEARNING AREA						
Ag, Food & Natural Resource Systems	Health Services					
Arts, Information & Communications	Human Resources					
Business & Management	Industrial & Engineering Systems					

PROGRAM INFORMATION						
<u>APPROVED</u> Program Title	APPROVED CIP Code (Include 7 <sup>th</sup> & 8 <sup>th</sup> digits used for OCCURS reporting.)				<u>APPROVED</u> Recognition Award	Current Credits
(For Official Program Title, refer to your directory at <u>http://www.ode.state.or.us/search/results/?id=232</u> )	<u>6-digit CIP</u>	<u>_7</u> th <u>digit</u>	<u>8<sup>th</sup> digit</u>			
AAS Title: Nursing (RN)	51.3801			V	Statewide AAS (90-108 credits)	90-93
Option Title**					<i>OPTION</i> to AAS Degree	
Certificate Title: <u>Within</u> AAS Degree?  Yes**  No					Certificate of Completion	

\*\*Enter name of base degree in 'AAS Title' box

TYPE OF PROGRAM AMENDMENT (Check ALL That Apply)						
New Program++	Curriculum Revision	Revision in Program Credits				
Title Change for Program		Proposed Total Credits:				
Proposed AAS Title:						
Proposed OPTION Title:						
Proposed Certificate Title:						
<b>SUSPENSION</b> of Program	Reason for Suspension:					
Suspension Effective Date:						

	[List in a Defined Sequ	uence of (	Courses For		arter-to-quarter mapping.		
For a New Program, complete the Pro CURRENT CURRICULUM 19-20 [List entire curriculum as last approved]			oposed Curriculum section only.] PROPOSED CURRICULUM 20-21 [List only course(s) to be amended]				
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
First Term							
BI-112* Or Biology with genetics	General Biology for Health Sciences Biology with Genetics	66-77	4-5				
NRS-110	Foundations of Nursing - Health Promotion	55	5				
NRS-110C	Foundations of Nursing - Health Promotion Clinical	120	4				
PE-185**	Physical Education	33	1				
				NRS-230	Clinical Pharmacology I	33	3
Second Term		1	1			-	
NRS-111	Foundations of Nursing in Chronic Illness I	33	3				
NRS-111C	Foundations of Nursing in Chronic Illness I Clinical	90	3				
NRS-230	Clinical Pharmacology I	33	3		Move to First Term		
NRS-232	Pathophysiological Processes I	33	3				
				NRS-231	Clinical Pharmacology II	33	3
Third Term		-	•	_	T	-	-
NRS-112	Foundations of Nursing in Acute Care I	22	2				
NRS-112C	Foundations of Nursing in Acute Care I Clinical	120	4				
NRS-231	Clinical Pharmacology II	33	3		Move to Second Ter	m	
NRS-233	Pathophysiological Processes II	33	3				
	Arts & Letters, Social Science or Natural Science electives, if needed		3				
Summer Term	Option	-	-			-	
BI-112* Or Biology with Genetics	General Biology for Health Sciences or Biology with Genetics	66	4-5				
Fourth Term							
NRS-222	Nursing in Acute Care II & End of Life	33	3				
NRS-222C	Nursing in Acute Care II & End of Life Clinical	180	6				
	Arts & Letters, Social Science or Natural Science electives, if needed		6				
Fifth Term							

NRS-221	Chronic Illness II and End	33	3					
	of Life							
NRS-221C	Chronic Illness II and End of Life Clinical	180	6					
	Arts & Letters, Social		6					
	Science or Natural Science electives, if needed							
Sixth Term	ciccuves, in fielded		<u> </u>		<u> </u>			
NRS-224	Integrative Practicum	22	2					
NRS-224C	Integrative Practicum Clinical	210	7					
WR-222***	English Composition	44	4					
Or	or Taskaisel Denest Muiting							
WR-227	Technical Report Writing Arts & Letters, Social		4					
	Science or Natural Science		4					
	electives, if needed							
Catalog Notes								
	the Biology with genetics req							
	prior to start of second year of							
	c Life Support (AHA) is require m and meets PE requirement.	ed throug	shout the					
	nly if 8 credit writing requirement.	ent not r	reviously					
met.			reviously					
Studer	nts must achieve C or higher g	rades in	all					
	ed courses (including prerequi							
	<li>s) prior to advancing to the ne urriculum is sequential and ma</li>							
	er. Core nursing curriculum is							
	eted in two academic years for							
Approved Cour	ses to Meet Prerequisite/Elect	ive Credi	t Requirem	ents for the N	lursing Program	n		
	tives must be taken at the 100	) level or	higher					
unless otherwis								
Humanities (Ar				•				
	n this area must be at least th with a prefix of:	ree credi	ts.					
	SPN (other world languages a	re accept	ted:					
languages mus	st be 200 level)		/					
	G, HUM, J, MUP, MUS, PHL, R							
	s numbered COMM-126 and a R-101, 121, 122, or 227)	bove)						
Social Science	1 101, 121, 122, 01 227 j							
	n this area must be at least th	ree credi	ts.	I				
Select courses with a prefix of:								
ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS								
	es (Science/Math/Computer So							
	n this area must be at least size	x credits.						
	with a prefix of: t BI-160, BI-163, BI-165C), C	H (excen	t CH-150)					
	5, MTH (MTH-095 accepted), F		130),					
Nursing		·						
NUR-160	Fluid and Electrolytes	22	2					
NUR-217	Basic EKG Interpretation I	11	1					
NUR-218	Basic EKG Interpretation II	22	1					

TOTAL CURRENT CREDITS:	90-93	TOTAL PROPOSED CREDITS:
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College Contact	Carol Dodson		Telephone No.		
E-Mail Address			Fax No.		
Chief Academic Officer or PTE Dean Signature		nthic Ru	in	Date	1/10/20