

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



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:	
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CAREER LEARNING AREA	
<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION					
<i>APPROVED</i> Program Title	<i>APPROVED</i> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7th digit</i>	<i>8th digit</i>		
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 <small>(Check ALL That Apply)</small>			
<input type="checkbox"/> New Agreement	<input type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits	
		<i>Proposed Total Credits:</i>	100-106
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>		
Suspension Effective Date:			

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 19-20 [List entire curriculum as last approved]				PROPOSED CURRICULUM 20-21 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – First Year							
Fall Term							
BI-211 or CH-221 or PH-211	General Biology for Science Majors (Cellular Biology) or General Chemistry or General Physics with Calculus	70-77	5				
CS-161	Computer Science I	44	4				
MTH-251	Calculus I	55	5				
Winter Term							
BI-212 or CH-222 or PH-212	General Biology for Science Majors (Animal Biology) or General Chemistry or General Physics with Calculus	70-77	5				
CS-162	Computer Science II	44	4				
MTH-252	Calculus II	55	5				
Spring Term							
BI-213 or CH-223 or PH-213	General Biology for Science Majors (Plant Biology & Ecology) or General Chemistry or General Physics with Calculus	70-77	5				
CS-260	Data Structures	44	4				
MTH-253	Calculus III	55	5				
--	Computer Science recommended electives		3-4	REMOVE			
				CS-140L	Linux for Programmers	44	4
Summer Term							
COMM-111	Public Speaking	44	4				
WR-121	English Composition	44	4				
--	Arts & Letters or Social Science electives		3-4				
--	Arts & Letters or Social Science electives		3-4				
Program Requirements – Second Year							
Fall Term							
CS-201	Computer Systems II	44	4				
--	Arts & Letters or Social Science electives		3-4				
--	Science electives		4				
Winter Term							
CS-202	Program Structures	44	4				
CS-250	Discrete Structures I	44	4				
WR-227	Technical Report Writing	44	4				
--	Computer Science recommended electives		3-4				
Spring Term							
CS-251	Discrete Structures II	44	4				
MTH-261	Linear Algebra	44	4				

--	Arts & Letters or Social Science electives		3-4				
--	Computer Science recommended electives		3-4				
Arts & Letters or Social Science Electives							
Art (ART), Music (MUS) or Theatre Arts (TA) courses 100 level or above relating to history and appreciation, not performance, or any 100 level or above Arts & Letters or Social Science course in the prefixes of: Arts & Letters: ASL, BA, COMM, ENG, FR, GER, HUM, J, MUP, PHL, R, SPN, WR Social Science: ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS							
Computer Science Recommended Electives							
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 Electives							
Any General Education science course listed under prefixes: BI, CH, ESR, G, and PH on p. 50 of this catalog.							
TOTAL CURRENT CREDITS:			99-106	TOTAL PROPOSED CREDITS:			100-106
College Contact	Rich Albers			Telephone No.	3166		
E-Mail Address	richa@clackamas.edu			Fax No.			
Chief Academic Officer or CTE Dean Signature					Date	1/15/20	



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:	
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CAREER LEARNING AREA	
<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION					
<i>APPROVED</i> Program Title	<i>APPROVED</i> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<i>APPROVED</i> Recognition Award	Current Credits
	<i>6-digit CIP</i>	<i>7th digit</i>	<i>8th digit</i>		
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 <small>(Check ALL That Apply)</small>			
<input type="checkbox"/> New Agreement	<input type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits	
		<i>Proposed Total Credits:</i>	100-107
<input type="checkbox"/> SUSPENSION of Program	Reason for Suspension:		
Suspension Effective Date:			


CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 19-20 [List entire curriculum as last approved]								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	
Program Requirements – First Year															
Fall Term															
MUP-102 Or MUP-105 Or MUP-122 Or MUP-141		Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra				1-2									
*MUP-171-191 Or MUP-171J-191J		Individual Lessons or Individual Lessons/Jazz		20		2									
MUS-111		Music Theory I		33		3									
MUS-111L		Music Notation Software I		11		1									
MUS-114		Aural Skills I		22		2									
MUS-127		Keyboard Skills I		22		2									
MUS-189		Performance & Repertoire		10		1									
WR-121		English Composition		44		4									
Winter Term															
MUP-102 Or MUP-105 Or MUP-122 Or MUP-141		Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra				1-2									
*MUP-171-191 Or MUP-171J-191J		Individual Lessons or Individual Lessons/Jazz		20		2									
MUS-112		Music Theory I		33		3									
MUS-112L		Music Notation Software I		11		1									
MUS-115		Aural Skills I		22		2									
MUS-128		Keyboard Skills I		22		2									
MUS-189		Performance & Repertoire		10		1									
MTH-105 Or MTH-111 or MTH-112 or MTH-251 or MTH-252		Math in Society Or College Algebra or Trigonometry and Pre-Calculus or Calculus I or Calculus II		44-55		4-5									
Spring Term															
MUP-102 Or MUP-105 Or MUP-122 Or MUP-141		Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra				1-2									
*MUP-171-191		Individual Lessons or		20		2									

Or MUP-171J- 191J	Individual Lessons/Jazz						
MUS-113	Music Theory I	33	3				
MUS-113L	Music Notation Software I	11	1				
MUS-116	Aural Skills I	22	2				
MUS-129	Keyboard Skills I	22	2				
MUS-189	Performance & Repertoire	10	1				
WR-122	English Composition	44	4				
Program Requirements – Second Year							
Fall Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271- 291 Or MUP-271J- 291J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-189	Performance & Repertoire	10	1				
MUS-211	Music Theory II	33	3				
MUS-211L	Music Notation Software II	33	1	REMOVE			
MUS-214	Keyboard Skills II	22	2				
MUS-224	Aural Skills II	22	2				--
--	Arts & Letters General Education elective		4				
Winter Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271- 291 Or MUP-271J- 291J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-189	Performance & Repertoire	10	1				
MUS-212	Music Theory II	33	3				
MUS-212L	Music Notation Software II	33	1	REMOVE			
MUS-215	Keyboard Skills II	22	2				
MUS-225	Aural Skills II	22	2				
--	Social Science General Education elective		4				
--	Science/Math/Computer Science General Education elective		3				
Spring Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271- 291 Or	Individual Lessons or Individual Lessons/Jazz	20	2				

MUP-271J-291J							
MUS-189	Performance & Repertoire	10	1				
MUS-213	Music Theory II	33	3				
MUS-213L	Music Notation Software II	33	1	REMOVE			
MUS-216	Keyboard Skills II	22	2				
MUS-226	Aural Skills II	22	2				
--	Arts & Letters General Education elective		4				
--	Science/Math/Computer Science General Education elective		4				
Catalog Notes							
*Lessons must be in same instrument discipline, but may be in different styles. Note: For students pursuing a jazz degree, MUP-104 Jazz Combo may be substituted for MUS-189.							
Arts & Letters, Social Science, or Science/Math/Computer Science General Education Electives							
Arts & Letters ART-101, 102, 103, 115, 116, 117, 131, 204, 205, 206, 225, 226, 227, 250, 251, 252, 253, 254, 255, 281, 282, 283, 284, 285, 286, 291, 292, 293; ASL-201, 202, 203; BA-130; COMM-126, 140, 212, 218, 219, 227; DMC-195; ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 266, 270; FR-201, 202, 203, 211; GER-201, 202, 203; HUM-160, 235, 240, 241, 242; J-211; MUS-105, 111, 112, 113, 205, 206, 211, 212, 213; PHL-101, 102, 103, 205, 210; SPN-201, 202, 203; TA-101, 102, 103, 141, 142, 143; WR-220, 241, 242, 243, 244, 245, 248, 262, 263, 265, 270;				Arts & Letters ART-101, 102, 103, 115, 116, 117, 131, 204, 205, 206, 225, 226, 227, 250, 251, 252, 253, 254, 255, 281, 282, 283, 284, 285, 286, 291, 292, 293; ASL-201, 202, 203; BA-130; COMM-126, 140, 212, 218, 219, 227; DMC-195; ENG-104, 105, 106, 107, 108, 109, 116, 121, 130, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 266, 270; FR-201, 202, 203, 211; GER-201, 202, 203; HUM-160, 235, 240, 241, 242; J-211; MUS-105, 111, 112, 113, 205, 206, 211, 212, 213; PHL-101, 102, 103, 205, 210; SPN-201, 202, 203; TA-101, 102, 103, 141, 142, 143; WR-220, 241, 242, 243, 244, 245, 248, 262, 263, 265, 270;			
Social Science ANT-101, 102, 103, 231, 232; CJA-101; EC-200, 201, 202; GEO-100, 110, 130, 208; HST-101, 102, 103, 130, 131, 132, 136, 137, 138, 201, 202, 203; PS-200, 201, 203, 204, 205, 225, 297; PSY-200, 205, 215, 219, 231; SOC-204, 205, 206, 210, 225; SSC-160, 235, 240, 241, 242; WS-101;							
Science/Math/Computer Science ASC-175, 176, 177; BI-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; ESR-171, 172, 173; G-101, 102, 103, 145, 148, 201, 202, 203; GS-104, 105, 106, 107; MTH-211, 212, 213, 243, 244, 252*, 253, 254, 256, 261; PH-121, 122, 123, 201, 202, 203, 211, 212, 213; Z-201, 202, 203;							
*MTH-252 may be used as an elective requirement in this category if it has not already used for the mathematics requirement in this AS degree.							
TOTAL CURRENT CREDITS:			103-110	TOTAL PROPOSED CREDITS:			100-107

College Contact		Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer or CTE Dean Signature			Date 1/22/20



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

<http://www.ode.state.or.us/search/results/?id=231>

College:	Clackamas Community College	Date	
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input checked="" type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

<u>APPROVED</u> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7th digit</u>	<u>8th digit</u>		
AAS Title:				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
Option Title**				<input type="checkbox"/> <i>OPTION</i> to AAS Degree	
Certificate Title: <u>Within</u> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Emergency Medical Technology	51.0904			<input checked="" type="checkbox"/> 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)

<input type="checkbox"/> New Program++	<input type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		Proposed Total Credits: 56
Proposed AAS Title:		
Proposed OPTION Title:		
Proposed Certificate Title:		
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>	
Suspension Effective Date:		

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

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 19-20 [List entire curriculum as last approved]				PROPOSED CURRICULUM 20-21 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
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-121	English Composition	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/Documentation	22	2				
WR-121	English Composition	44	4	Move to Term 1			
				COMM-111	Public Speaking	44	4
				EMT-101*	Emergency Medical Technician Part I	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-102	Emergency Medical Technician Part II	99	6
Catalog Notes							
*Student Petition Required							
Current Healthcare Provider level CPR (AHA or ASHI) are required; criminal history background check, proof of immunization, and students will be asked to take a drug test as arranged by the department							
TOTAL CURRENT CREDITS:			54	TOTAL PROPOSED CREDITS:			56
College Contact		Tana Sawzak		Telephone No.			
E-Mail Address				Fax No.			
Chief Academic Officer or PTE Dean Signature						Date	11/25/19



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

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

<u>APPROVED</u> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7th digit</u>	<u>8th digit</u>		
AAS Title:				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
Related Certificates: Gerontology for Health Care Professionals CP Nursing Assistant-Gerontology Specialist CP				<input type="checkbox"/> OPTION to AAS Degree	
Certificate Title: <u>Within</u> AAS Degree? <input type="checkbox"/> Yes** <input checked="" type="checkbox"/> No Gerontology	30.1101			<input checked="" type="checkbox"/> 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)


<input type="checkbox"/> New Program++	<input type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		Proposed Total Credits:
Proposed AAS Title:		
Proposed OPTION Title:		
Proposed Certificate Title:		
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

<i>CURRENT CURRICULUM 19-20</i>				<i>PROPOSED CURRICULUM 20-21</i>			
<small>[List entire curriculum as last approved]</small>				<small>[List only course(s) to be amended]</small>			
Course	Title	Hours	Credits	Course	Title	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							
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				
Gerontology Program 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	REMOVE			
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							
Other electives may be approved by the Gerontology program advisor.							
TOTAL CURRENT CREDITS:			46-47	TOTAL PROPOSED CREDITS:			

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



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
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

<u>APPROVED</u> Program Title	<u>APPROVED</u> CIP Code (Include 7 th & 8 th digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	Current Credits
(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)	6-digit CIP	7 th digit	8 th digit		
	AAS Title: Horticulture	1.0601			<input checked="" type="checkbox"/> AAS (90-108 credits)
Option Title**				<input type="checkbox"/> OPTION to AAS Degree	
Related Certificates: Horticulture Certificate Irrigation Technician CP Plant Health Management CP				<input type="checkbox"/> Certificate of Completion	

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

LAST AMENDMENT APPROVED ON 01/18/2019

TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input checked="" type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<i>Proposed Total Credits:</i> <input type="text"/>
<i>Proposed AAS Title:</i>	<input type="text"/>	
<i>Proposed OPTION Title:</i>	<input type="text"/>	
<i>Proposed Certificate Title:</i>	<input type="text"/>	
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i> <input type="text"/>	
Suspension Effective Date:	<input type="text"/>	

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


CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

<i>CURRENT CURRICULUM 19-20</i>				<i>PROPOSED CURRICULUM 20-21</i>			
[List entire curriculum as last approved]				[List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
OSU Transfer Courses							
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				
Note: Many of the horticulture courses will also transfer as Lower Division Collegiate (LDC) credits.							
Horticulture Associate of Applied Science Degree: 1 st 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 or MTH-065 or higher level math	Technical Mathematics I or Algebra II or higher level math	44	4-5				
Winter Term2							
HOR-130 Or HOR-131	Plant Propagation Theory or Tree & Shrub Pruning	33-44	3				
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							
HOR-112	Horticulture Career Exploration	24	2				
HOR-120	Pesticide Laws & Safety	12	1				
HOR-140	Soils	33	3				
HOR-143	Horticulture Practicum/Spring	44	2				
HOR-228	Plant Identification/Spring	44	4				
WR-101 Or WR-121	Communication Skills: Occupational Writing or English Composition	33-44	3-4				
Summer Term4							
HOR-281 Or	Horticulture/CWE or	180	6				

HOR-280 and HOR-282	Horticulture/CWE and Horticulture/CWE						
Horticulture Associate of Applied Science Degree: 2 nd Year							
Fall Term5							
BA-285 Or COMM-100	Human Relations in Business or Basic Speech Communication	33- 44	3-4				
HOR-122 Or HOR-224	Greenhouse I or Landscape Installation	44	3				
HOR-235 Or HOR-236	Weed Identification or Insect Identification	20	2				
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 Or HOR-145	Greenhouse II or Turf Installation & Maintenance	44	2-3				
HOR-240	Irrigation Practices	44	3				
--	Horticulture program electives		8				
Horticulture Program Electives							
BA-223	Principles of Marketing	44	4				
HOR-113	Organic Farming Practicum/Fall	55	3				
HOR-122 Or HOR-224	Greenhouse I or Landscape Installation	44	3				
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 Or HOR-131	Plant Propagation Theory or Tree & Shrub Pruning	33-44	3				
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 Or HOR-145	Greenhouse II or Turf Installation & Maintenance	44	2-3				
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 Or HOR-236	Weed Identification or Insect Identification	20	2				
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 Or HOR-280 And HOR-282	Horticulture/CWE or Horticulture/CWE Or Horticulture/CWE	180	6				
				WET-109	Backflow Assembly Operation and Testing	66	4
*Offered alternate years							
TOTAL CURRENT CREDITS:			94-98	TOTAL PROPOSED CREDITS:			

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



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

<http://www.ode.state.or.us/search/results/?id=231>

College:	Clackamas Community College	Date	1/9/20
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

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

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

TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input checked="" type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		Proposed Total Credits: 19
Proposed AAS Title:		
Proposed OPTION Title:		
Proposed Certificate Title:		
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>	
Suspension Effective Date:		

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

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

<i>CURRENT CURRICULUM 19-20</i> <small>[List entire curriculum as last approved]</small>				<i>PROPOSED CURRICULUM 20-21</i> <small>[List only course(s) to be amended]</small>			
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 Term			
				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 CURRENT CREDITS:			15	TOTAL PROPOSED CREDITS:			19

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



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
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

<u>APPROVED</u> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7th digit</u>	<u>8th digit</u>		
AAS Title:				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
Option Title**				<input type="checkbox"/> OPTION to AAS Degree	
Certificate Title: <i>Within</i> AAS Degree? <input type="checkbox"/> Yes** <input checked="" type="checkbox"/> No Organic Farming	1.0304			<input checked="" type="checkbox"/> 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)

<input type="checkbox"/> New Program++	<input checked="" type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<i>Proposed</i> Total Credits: _____
<i>Proposed</i> AAS Title:	_____	
<i>Proposed</i> OPTION Title:	_____	
<i>Proposed</i> Certificate Title:	_____	
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i> _____	
Suspension Effective Date:	_____	

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

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

<i>CURRENT CURRICULUM 19-20</i>				<i>PROPOSED CURRICULUM 20-21</i>			
[List entire curriculum as last approved]				[List only course(s) to be amended]			
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 Farming 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 alternate years				REMOVE			
TOTAL CURRENT CREDITS:			56-59	TOTAL PROPOSED CREDITS:			

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



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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<http://www.ode.state.or.us/search/results/?id=231>

College:	Clackamas Community College	Date	
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

<u>APPROVED</u> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code (Include 7 th & 8 th digits used for OCCURS reporting.)			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7th digit</u>	<u>8th digit</u>		
AAS Title: Manufacturing Technology	15.0613			<input checked="" type="checkbox"/> AAS (90-108 credits)	94
Option Title**				<input type="checkbox"/> OPTION to AAS Degree	
Related Certificates: CNC Machining Technician CP Manufacturing Technology Certificate Mastercam Certificate				<input type="checkbox"/> Certificate of Completion	

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

LAST AMENDMENT APPROVED ON 01/19/18

TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<i>Proposed Total Credits:</i> <input type="text"/>
Proposed AAS Title:	Machine Tool Technology	
Proposed OPTION Title:		
Proposed Certificate Title:		
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>	
Suspension Effective Date:	<input type="text"/>	


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

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

<i>CURRENT CURRICULUM 19-20</i>				<i>PROPOSED CURRICULUM 20-21</i>			
<small>[List entire curriculum as last approved]</small>				<small>[List only course(s) to be amended]</small>			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Manufacturing Technology Associate of Applied Science Degree: 1st 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 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				
Manufacturing Technology Associate of Applied Science Degree: 2nd 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							
Complete three or more credits from the following:							
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				
*Substitute college transfer courses for these courses if you plan to continue your education at a higher education institution. It is recommended that you consult with a faculty advisor or a staff member in Student Services for the transfer requirements of the specific advanced program or school.							
Oregon Tech Transfer Courses							
The Industrial Technology Department, in partnership with Oregon Tech, offers a significant number of transferable classes into Oregon Tech's Manufacturing Engineering Technology degree program. For information contact the Industrial Technology Department, 503-594-3318.							
TOTAL CURRENT CREDITS:			94	TOTAL PROPOSED CREDITS:			

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



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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<http://www.ode.state.or.us/search/results/?id=231>

College:	Clackamas Community College	Date	
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

<u>APPROVED</u> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code <small>(Include 7th & 8th digits used for OCCURS reporting.)</small>			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7th digit</u>	<u>8th digit</u>		
AAS Title: Manufacturing Technology AAS				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
Option Title**				<input type="checkbox"/> OPTION to AAS Degree	
Certificate Title: <u>Within</u> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Manufacturing Technology	15.0613			<input checked="" type="checkbox"/> 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)


<input type="checkbox"/> New Program++	<input type="checkbox"/> Curriculum Revision	<input checked="" type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		Proposed Total Credits:
Proposed AAS Title:		
Proposed OPTION Title:		
Proposed Certificate Title:	Machine Tool Technology	
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i>	
Suspension Effective Date:		

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

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRICULUM AMENDMENT							
<i>CURRENT CURRICULUM 19-20</i> [List entire curriculum as last approved]				<i>PROPOSED CURRICULUM 20-21</i> [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	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 I	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 college transfer courses for these courses if you plan to continue your education at a higher education institution. It is recommended that you consult with a faculty advisor or a staff member in Student Services for the transfer requirements of the specific advanced program or school.							
Oregon Tech Transfer Courses							
The Industrial Technology Department, in partnership with Oregon Tech, offers a significant number of transferable classes into Oregon Tech's Manufacturing Engineering Technology degree program. For information contact the Industrial Technology Department, 503-594-3318.							
TOTAL CURRENT CREDITS:			50	TOTAL PROPOSED CREDITS:			

College Contact	Industrial Technology Department	Telephone No.	3318
E-Mail Address		Fax No.	
Chief Academic Officer <i>or</i> PTE Dean Signature		Date	1/3/20



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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Current instructions, forms, handouts and other useful resources are located at

<http://www.ode.state.or.us/search/results/?id=231>

College:	Clackamas Community College	Date	
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input checked="" type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

<u>APPROVED</u> Program Title <small>(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)</small>	<u>APPROVED</u> CIP Code			<u>APPROVED</u> Recognition Award	Current Credits
	<u>6-digit CIP</u>	<u>7th digit</u>	<u>8th digit</u>		
Parent AAS Title:				<input type="checkbox"/> Associate of Applied Science (AAS) Degree	
Option Title**				<input type="checkbox"/> OPTION to AAS Degree	
Certificate Title: <i>Within</i> AAS Degree? <input checked="" type="checkbox"/> Yes** <input type="checkbox"/> No Medical Billing and Coding	51.0713	J		<input type="checkbox"/> 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)

<input type="checkbox"/> New Program++	<input checked="" type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		<i>Proposed Total Credits:</i> <input type="text"/>
<i>Proposed AAS Title:</i>	<input type="text"/>	
<i>Proposed OPTION Title:</i>	<input type="text"/>	
<i>Proposed Certificate Title:</i>	<input type="text"/>	
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i> <input type="text"/>	
Suspension Effective Date:	<input type="text"/>	

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 2019-20 [List entire curriculum as last approved]				PROPOSED CURRICULUM 2020-21 [List only course(s) to be amended]			
Course	Title	Hours	Cred its	Course	Title	Hours	Credits
Program Requisites*							
MA-110	Medical Terminology	44	4				
MTH-060 or MTH-098	Algebra I Or College Math Foundations	44	4	Remove			
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 Requisites			
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							
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							
				*Additional option to meet biology requirement: Complete BI-231, BI-232, and BI-233.			
TOTAL CURRENT CREDITS:			37	TOTAL PROPOSED CREDITS:			

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



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

<http://www.ode.state.or.us/search/results/?id=231>

College:	Clackamas Community College	Date	
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CAREER LEARNING AREA

<input type="checkbox"/> Ag, Food & Natural Resource Systems	<input type="checkbox"/> Health Services
<input type="checkbox"/> Arts, Information & Communications	<input type="checkbox"/> Human Resources
<input type="checkbox"/> Business & Management	<input type="checkbox"/> Industrial & Engineering Systems

PROGRAM INFORMATION

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

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

TYPE OF PROGRAM AMENDMENT

(Check ALL That Apply)

<input type="checkbox"/> New Program++	<input type="checkbox"/> Curriculum Revision	<input type="checkbox"/> Revision in Program Credits
<input type="checkbox"/> Title Change for Program		Proposed Total Credits: _____
Proposed AAS Title:	_____	
Proposed OPTION Title:	_____	
Proposed Certificate Title:	_____	
<input type="checkbox"/> SUSPENSION of Program	<i>Reason for Suspension:</i> _____	
Suspension Effective Date:	_____	

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


CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 19-20 [List entire curriculum as last approved]				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							
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							
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 Term			
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 of Life	33	3				
NRS-221C	Chronic Illness II and End of Life Clinical	180	6				
--	Arts & Letters, Social Science or Natural Science electives, if needed		6				
Sixth Term							
NRS-224	Integrative Practicum	22	2				
NRS-224C	Integrative Practicum Clinical	210	7				
WR-222*** Or WR-227	English Composition or Technical Report Writing	44	4				
--	Arts & Letters, Social Science or Natural Science electives, if needed		4				
Catalog Notes							
*BI-112 meets the Biology with genetics requirement and must be completed prior to start of second year of nursing program.							
**Current Basic Life Support (AHA) is required throughout the nursing program and meets PE requirement.							
***Required only if 8 credit writing requirement not previously met.							
<ul style="list-style-type: none"> Students must achieve C or higher grades in all required courses (including prerequisites/preparatory courses) prior to advancing to the next term. Core curriculum is sequential and may not be taken out of order. Core nursing curriculum is intended to be completed in two academic years for an AAS degree. 							
Approved Courses to Meet Prerequisite/Elective Credit Requirements for the Nursing Program							
NOTE: All electives must be taken at the 100 level or higher unless otherwise noted.							
Humanities (Arts & Letters)							
<p>Courses used in this area must be at least three credits. Select courses with a prefix of: ASL, FR, GER, SPN (other world languages are accepted; languages must be 200 level) ART, DMC, ENG, HUM, J, MUP, MUS, PHL, R, TA COMM (courses numbered COMM-126 and above) WR (except WR-101, 121, 122, or 227)</p>							
Social Science							
<p>Courses used in this area must be at least three credits. Select courses with a prefix of: ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS</p>							
Natural Sciences (Science/Math/Computer Science)							
<p>Courses used in this area must be at least six credits. Select courses with a prefix of: ASC, BI (except BI-160, BI-163, BI-165C), CH (except CH-150), CS, ESR, G, GS, MTH (MTH-095 accepted), PH, Z</p>							
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		Date	1/10/20