

## DEGREE & CERTIFICATE CHANGES FOR 2021-22

If this is a NEW degree or certificate, enter title, requisites, outcomes, and coursework on another sheet

Degree or Certificate	New (N), Revised (R) or Suspended (S)	Title	Month Reviewed by Curriculum Committee	Implementation Term	Action/Changes
D	R	ASOT-BUS	<a href="#">05.06.21</a>	Summer, 2021	Revised computer applications requirement to: (BA 131 or CAS 133) and (CAS 140; or CAS 109 and [CAS 170 or CAS 270]). Removed BA 212 from degree specific requirements.
D	R	Accounting	<a href="#">05.06.21</a>	Summer, 2021	Credit changes: BA 211, BA 212.
C	R	Accounting / Bookkeeping	<a href="#">05.06.21</a>	Summer, 2021	Credit changes: BA 211, BA 212.
D	R	Administrative Assistant	<a href="#">02.11.21</a>	Summer, 2021	Revision of electives: May take any CAS/OS/WT course in addition to the required CAS/OS courses from the Administrative Assistant Degree or Certificate
C	R	Administrative Assistant	<a href="#">02.11.21</a>	Summer, 2021	Revision of electives: May take any CAS/OS/WT course in addition to the required CAS/OS courses from the Administrative Assistant Degree or Certificate
C	N	Advanced Manufacturing Technology	<a href="#">11.05.20</a>	Summer, 2021	(see sheet 2)
D	N	Aviation Maintenance Technology	<a href="#">10.22.20</a>	Summer, 2021	(see sheet 3)
C	N	Aviation Maintenance Technology	<a href="#">10.22.20</a>	Summer, 2021	(see sheet 4)
C	N	Construction Technology	<a href="#">11.05.20</a>	Summer, 2021	(see sheet 5)
C	N	Basic Construction	<a href="#">11.05.20</a>	Summer, 2021	(see sheet 6)
C	N	Digital Marketing Assistant	<a href="#">02.11.21</a>	Summer, 2021	(see sheet 7)
D	R	Early Childhood Education	<a href="#">03.04.21</a>	Summer, 2021	Extensive revisions. Addition to required courses: ECE 222, ECE 223, ECE 232, ECE 237. Course title changes: ECE 121, ECE 122, ECE 223, ECE 235. Deletion of required courses: ECE 123, ECE 260A, ECE 264, 4 credits of General Education Electives. Revised term scheduling. Overall credits reduced from 97 to 94.
D	R	Elementary Educator Transfer Pathway	N/A	Summer, 2021	Gen Ed Elective designations added to: ED 216 & ED 219. Revision of Social Sciences Gen Ed electives and Elementary Educator electives.
C	R	Early Childhood Education Curriculum	<a href="#">03.04.21</a>	Summer, 2021	Course title change: ECE 235. Required course options added: ECE 222, ECE 223, ECE 232, ECE 237. Increased elective credits from 2 to 3. Revised electives list. Increased overall credits from 22 to 23.
C	R	Early Childhood Education Fundamentals	<a href="#">03.18.21</a>	Summer, 2021	Course title change: ECE 122.
D	R	Entrepreneurship / Business Management	<a href="#">02.11.21</a>	Summer, 2021	Addition of electives: WT 102 & WT 181.
C	R	Entry-Level Accounting Clerk	<a href="#">05.06.21</a>	Summer, 2021	Remove BA 111 option. Increase BA 211 credits. Increase overall credits from 15 to 16.
C	R	Professional Small Unmanned Aircraft Systems	<a href="#">11.19.20</a>	Summer, 2021	Course addition: UAS 210. Increase overall credits from 15 to 19.
NCTC	N	Professional UAS Pilot Training	<a href="#">03.18.21</a>	Summer, 2021	Entry limited to BLM/DOI designated employees. (see sheet 8)

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C	R	Web Development Assistant	<a href="#">02.11.21</a>	Summer, 2021	Course prefix changes: CAS prefix changed to WT for CAS 101, 102, 105, 180, 200, 206, 213, 215, 225.
C	R	Web Design Assistant	<a href="#">02.11.21</a>	Summer, 2021	Course prefix changes: CAS prefix changed to WT for CAS 101, 102, 105, 106, 200, 235.
For revised degrees' and certificates' curricular schedules, see 2021-22 Curriculum Maps (found on the G:Drive)					

**NEW CERTIFICATE (Sheet 2)**

Add any ammendments in **Bold & Italics**

Title	Advanced Manufacturing Technology (43 credits)			
Requisites	Placement into RD 90 Transformative Reading Placement into WR 90 Introductory Writing MTH 20 Basic Math or equivalent placement test scores			
Outcomes	1. Produce welds to AWS D1.2, 1.2 and 1.6 standard in fillet and grooves using GMAW, SMAW and GTAW processes. 2. Demonstrate knowledge of basic CNC operations and G Code 3. Manufacture product from conceptualization to reality through research and development. 4. Use critical thinking and problem-solving skills to create more efficient systems of manufacturing. 5. Apply basic metallurgical concepts and basic materials science as they pertain to metals, creating better production results in manufacturing processes. 6. Demonstrate knowledge of necessary mathematical concepts as they apply to manufacturing.			
Coursework	Course #	Course Title	Requisites	Credits
	Fall Term			
	WLD 195	Welding Technology I	none	3
	MTH 98	Quantitative Math	MTH 20, Placement in to RD 90 and WR 90	4
	Winter Term			
	MFG 150	Manufacturing Processes	WLD 195	3
	MFG 155	Blueprint Reading	WLD 195	3
	MFG 280	Aluminum GTAW/TIG Welding	WLD 195, Co-requisite MFG 150	3
	MFG 285	Stainless Steel GTAW/TIG Welding	WLD 195, Co-requisite MFG 150	3
	Spring Term			
	MFG 151	Fabrication Processes 1	MFG 150	3
	MFG 156	Integrated Manufacturing 1	MFG 155	3
	MFG 281	Aluminum GTAW/TIG Fabrication Processes 1	MFG 280	3
	MFG 286	Stainless Steel GTAW/TIG Fabrication 1	MFG 285	3
	Summer Term			
	MFG 152	Fabrication Processes 2	MFG 151	3
	MFG 157	Integrated Manufacturing 2	MFG 156	3
	MFG 282	aluminum gtaw/TIG Fabrication Processes 2	MFG 281	3
	MFG 287	Stainless Steel GTAW/TIG Fabrication 2	MFG 286	3

**NEW DEGREE (Sheet 3)**

Add any amendments in **Bold & Italics**

Title	Aviation Maintenance Technology AAS (104 credits)			
Requisites	RD 115 Critical Reading or equivalent placement test scores			
	WR 115 Introduction to Expository Writing or equivalent placement test scores			
	MTH 65 Beginning Algebra II or equivalent placement test scores			
Outcomes	1. Service, maintain, troubleshoot and repair airplanes and rotorcraft.			
	2. Perform proficient, entry-level aviation maintenance skills.			
	3. Apply knowledge of FAA regulations and industry standards.			
	4. Apply math and physics principles in solving problems associated with aviation maintenance.			
	5. Communicate effectively verbally and in writing.			
	6. Use critical thinking and problem solving skills to identify and resolve aviation maintenance issues.			
	7. Work effectively in a team and/or group setting.			
	8. Sit for the Federal Aviation Administration (FAA) certification exams (written, oral and practical) for the airframe and powerplant (A&P) airman certificate.			
Coursework	Course #	Course Title	Requisites	Credits
	Fall Term			
	WR 121	English Composition	Placement into or completion of WR 115 and RD 115	4
	PSY 101	Psychology and Human Relations	MTH 20 or test; Prereq/concurrent WR 121	4
	MTH 105 or higher	Math in Society	MTH 65 or MTH 98 or equivalent placement score	4
	Winter Term			
	AMT 191	Aviation Maintenance: General 101	MTH 65 or equivalent placement test score	6
	AMT 192	Aviation Maintenance: General 102	AMT 191	6
	AMT 193	Aviation Maintenance: General 103	AMT 192	6
	AMT 194A	Aviation Maintenance: General 104A	AMT 193	3
	Spring Term			
	AMT 194B	Aviation Maintenance: General 104B	Pre/co: AMT 194A	3
	AMT 195	Aviation Maintenance: General 105	AMT 194 or AMT 194A & 194B	6
	AMT 261	Aviation Maintenance: Airframe 1	MTH 65, AMT 105	6
	AMT 262	Aviation Maintenance: Airframe 2	AMT 261	6
	Summer Term			
	AMT 263	Aviation Maintenance: Airframe 3	AMT 262	6

	AMT 264	Aviation Maintenance: Airframe 4	AMT 263	6
	AMT 271	Aviation Maintenance: Powerplant 1	MTH 65, AMT 105	6
	AMT 281	Aviation Maintenance: Airframe Return to Service	AMT 264	3
	Fall Term			
	AMT 272	Aviation Maintenance: Powerplant 2	AMT 271	6
	AMT 273	Aviation Maintenance: Powerplant 3	AMT 272	6
	AMT 274	Aviation Maintenance: Powerplant 4	AMT 273	6
	AMT 282	Aviation Maintenance: Powerplant Return to Service	AMT 274	3
	Winter Term			
		Arts & Letters Gen Ed	MTH 20 or test; Prereq/concurrent WR 121	4
		Gen Ed (from any Gen Ed discipline area)	MTH 20 or test; Prereq/concurrent WR 121	4

**NEW CERTIFICATE (Sheet 4)**

Add any ammendments in **Bold & Italics**

Title	Aviation Maintenance Technology (96 credits)		
Requisites	RD 115 Critical Reading or equivalent placement test scores		
	WR 115 Introduction to Expository Writing or equivalent placement test scores		
	MTH 65 Beginning Algebra II or equivalent placement test scores		
Outcomes	1. Service, maintain, troubleshoot and repair airplanes and rotorcraft.		
	2. Perform proficient, entry-level aviation maintenance skills.		
	3. Apply knowledge of FAA regulations and industry standards.		
	4. Think critically, problem solve, and communicate effectively.		
	5. Apply math and physics principles in solving problems associated with aviation maintenance.		
	6. Work effectively in a team and/or group setting.		
	7. Sit for the Federal Aviation Administration (FAA) certification exams (written, oral and practical) for the airframe and powerplant (A&P) airman certificate.		

Coursework	Course #	Course Title	Requisites	Credits
	Fall Term			
	WR 121	English Composition	Placement into or completion of WR 115 and RD 115	4
	PSY 101	Psychology and Human Relations	MTH 20 or test; Prereq/concurrent WR 121	4
	MTH 105 or higher	Math in Society	MTH 65 or MTH 98 or equivalent placement score	4
	Winter Term			
	AMT 191	Aviation Maintenance: General 101	MTH 65 or equivalent placement test score	6
	AMT 192	Aviation Maintenance: General 102	AMT 191	6
	AMT 193	Aviation Maintenance: General 103	AMT 192	6
	AMT 194A	Aviation Maintenance: General 104A	AMT 193	3
	Spring Term			
	AMT 194B	Aviation Maintenance: General 104B	Pre/co: AMT 194A	3
	AMT 195	Aviation Maintenance: General 105	AMT 194 or AMT 194A & 194B	6
	AMT 261	Aviation Maintenance: Airframe 1	MTH 65, AMT 105	6
	AMT 262	Aviation Maintenance: Airframe 2	AMT 261	6
	Summer Term			
	AMT 263	Aviation Maintenance: Airframe 3	AMT 262	6
	AMT 264	Aviation Maintenance: Airframe 4	AMT 263	6
	AMT 271	Aviation Maintenance: Powerplant 1	MTH 65, AMT 105	6

	AMT 281	Aviation Maintenance: Airframe Return to Service	AMT 264	3
	Fall Term			
	AMT 272	Aviation Maintenance: Powerplant 2	AMT 271	6
	AMT 273	Aviation Maintenance: Powerplant 3	AMT 272	6
	AMT 274	Aviation Maintenance: Powerplant 4	AMT 273	6
	AMT 282	Aviation Maintenance: Powerplant Return to Service	AMT 274	3

**NEW CERTIFICATE (Sheet 5)**

Add any amendments in **Bold** & *Italics*

Title	Construction Technology (33 credits)			
Requisites	RD 90 Transformative Reading or equivalent placement test scores WR 90 Introductory Writing or equivalent placement test scores MTH 60 Beginning Algebra I or MTH 98 Quantitative Math or equivalent placement test scores			
Outcomes	1. Explain terms and nomenclature pertaining to the tools, materials and hardware associated with the construction field. 2. Demonstrate the safe and proper use and care of basic construction tools. 3. Perform fundamental construction techniques properly, including foundations, carpentry, basic plumbing and electrical. 4. Apply safe work habits at all times.			
Coursework	Course #	Course Title	Requisites	Credits
	Fall Term			
	CT 101	Tools and Safety	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 102	Footings and Foundations	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 103	Building Materials and Methods	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 104	Floor Framing	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	Winter Term			
	CT 105	Walls and Ceiling Framing	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 106	Roof Framing	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 110	Electrical Writing Basics	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 111	Plumbing Basics	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	Spring Term			
	CT 112	Basic Stair Construction	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 113	Building Decks and Porches	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 114	Windows and Exterior Walls	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3



**NEW CERTIFICATE (Sheet 6)**

Add any amendments in **Bold & Italics**

Title	Basic Construction (18 credits)			
Requisites	RD 90 Transformative Reading or equivalent placement test scores WR 90 Introductory Writing or equivalent placement test scores MTH 60 Beginning Algebra I or MTH 98 Quantitative Math or equivalent placement test scores			
Outcomes	1. Use standard terminology when identifying tools, materials and hardware associated with the construction field. 2. Demonstrate the safe and proper use and care of basic construction tools. 3. Perform fundamental construction techniques properly, including foundations and framing. 4. Apply safe work habits at all times.			
Coursework	Course #	Course Title	Requisites	Credits
	Fall Term			
	CT 101	Tools and Safety	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 102	Footings and Foundations	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 103	Building Materials and Methods	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 104	Floor Framing	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	Winter Term			
	CT 105	Walls and Ceiling Framing	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3
	CT 106	Roof Framing	MTH 60 or 98, WR 90, RD 90 or equiv test scores	3

**NEW CERTIFICATE (Sheet 7)**

Add any ammendments in **Bold** & *Italics*

Title	Digital Marketing Assistant (19 credits)			
Requisites	RD 90 Transformative Reading or equivalent placement test scores Recommended: RD 115 Critical Reading Recommended: WR 115 Introduction to Expository Writing			
Outcomes	1. Apply digital marketing concepts and skills in a business environment  2. Write social media and web page content that aligns with legal guidelines and best practices.  3. Create and execute a digital marketing plan.			
Coursework	Course #	Course Title	Requisites	Credits
	Fall Term			
	CAS 108	Beginning Photoshop	Prereq: RD 90 or test. Rec pre/co: CAS 101	3
	WT 105	Writing for the Web	Rec: RD 115 and WR 115	3
	Winter Term			
	CAS 208	Intermediate Photoshop	Prereq: CAS 108	4
	CAS 231	Desktop Publishing	Rec: place into RD 115 and WR 115, CAS 121 or equiv typing skills	3
	Spring Term			
	WT 102	Social Media Marketing	Rec: RD 115, WR 115	3
	WT 181	Digital Marketing Strategies	Rec: RD 115, WR 115	3

NEW CERTIFICATE (Sheet 8)				
Add any ammendments in <b>Bold</b> & <i>Italics</i>				
Title	Professional UAS Pilot Training (60 clock hours)			
Requisites	none			
Outcomes	<div>1. Comply with federal, state and local UAS flight regulations.</div> <div>2. Recognize the National Airspace System and its definitions.</div> <div>3. Obtain and interpret weather briefings, and define weather related impacts on a UAS mission.</div> <div>4. Use UAS simulators and meet performance criteria.</div> <div>5. Prepare a mission plan using the components of the UAS mission planning process.</div> <div>6. Identify hazards associated with UAS operations and prescribe risk controls.</div> <div>7. Recognize stress and apply stress management techniques.</div>			
Coursework	Course #	Course Title	Requisites	Credits
	NCT 32	Professional UAS Pilot Training - Basic	none	0