



The University of Arizona - Yuma  
Industrial Engineering  
2020-2021 IVC Curriculum Check List



A. General Education Requirement						Status
IGETC-CSU						Approved
CSU GEB- English 201 Required in Area A.3						Approved
Recommendation: Use lower division major prep to fulfill general education pattern requirements.						
B. Lower Division Major Requirements						
Category	U of A Course	IVC Equivalent	Articulation Status	IGETC-CSU	CSUGEB	Notes
Composition						
First Year Composition	ENGL 101	ENGL 110	Approved	Area 1A	Area A2	Equivalent Course
First Year Composition	ENGL 102	ENGL 201 or 204	Approved	Area 1B	Area A3	Equivalent Course
Mathematics						
Calculus I with Applications	MATH 122B	MATH 192	Approved	Area 2	Area B4	Equivalent Course
Calculus II	MATH 129	MATH 194	Approved	Area 2	Area B4	Equivalent Course
Calculus Vector Calculus	MATH 223	MATH 210	Approved	Area 2	Area B4	Equivalent Course
Ordinary Differential Equations	MATH 254	MATH 220	Approved	Area 2	Area B4	Equivalent Course
Science						
General Chemistry I	CHEM 152	CHEM 200	Approved	Area 5A & 5C	Area B1 & B3	Equivalent Course
General Chemistry II	CHEM 152	CHEM 202	Approved	Area 5A & 5C	Area B1 & B3	Equivalent Course
Introductory Mechanics	PHYS 141	PHYS 200	Approved	Area 5A & 5C	Area B1 & B3	Equivalent Course
Intro. Electricity and Magnetism	PHYS 241	PHYS 202	Approved	Area 5A & 5C	Area B1 & B3	Equivalent Course
Engineering						
Programming for Engineers	CSC 110	CS 231	Approved	N/A	N/A	Equivalent Course
Intro to Engineering	ENGR 102	AWC: EGR 188 (Prerequisites: Pre-calculus or College Algebra and Trig or approved higher level math course)				
Intro to Systems/Industrial	SIE 250	Complete at U of A Yuma (Prerequisites: IVC MATH 192 & AWC EGR 188)				
Object Oriented Modeling/Design	SIE 277	Complete at U of A Yuma (Prerequisites: IVC MATH 192 & CS 221)				
Engineering Management I	SIE 265	Complete at U of A Yuma (Prerequisites: AWC EGR 188 & IVC MATH 192)				
Mathematical Foundations of SIE	SIE 270	Complete at U of A Yuma (Prerequisites: IVC MATH 194 & PHYS 200 & CS 221)				
Systems & Industrial Colloq.	SIE 295S	Complete at U of A Yuma (Prerequisite: SIE 250)				

**Online Advising is available:**

To schedule an online appointment with a Univ. of Arizona advisor please contact:

IVC Transfer Center Office Assistant Edgar Espinoza at 760 355 6274 or email at [edgar.espinoza@imperial.edu](mailto:edgar.espinoza@imperial.edu)  
U of A Yuma Academic Program Advisor Alberto Urbieto at (928) 210 - 7202 or by email at [alberto.urbieto@arizona.edu](mailto:alberto.urbieto@arizona.edu)

Students desiring an IVC associate degree should work with an IVC counselor to determine the degree that will best suit their academic and career goals.