



The University of Arizona - Yuma Systems Engineering 2019-2020 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	Approved	Area AB	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 or	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 & Physics 200 & CS 221)				
Systems & Industrial Colloq.	SIE 295S	Complete at U of A Yuma (Prerequisite: SIE 265)				

- During the semester an academic advisor for all University of Arizona – South (Yuma Campus) programs is available weekly at the Imperial Valley College Transfer Center.
- To schedule an appointment with a Univ. of Arizona advisor on the IVC Campus, please call 760 355 6543 or 760 355 6274 or stop by Hector L. Lopez Student Services Center Reception Desk.
- Articulation Status: Any IVC course not currently earning “Approved” status is still under review and will be accepted at the discretion of the university department. An articulated course is offered at Arizona Western College. Please see the Univ. of Arizona Academic Advisor for additional information.
- 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.