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| **The University of Arizona - Yuma Systems Engineering****2024-2025 IVC Curriculum Check List** |
| **A. General Education Requirement** | **Status** |
| IGETC-CSU | Approved |
| CSU GEB- English 201 or 204 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 or 105 | Approved | Area 1A | Area A2 | Equivalent Course |
| First Year Composition | ENGL 102 | ENGL 201 or 204 | 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 | CIS 210 | Pending | N/A | N/A | Under Review |
| Intro to Engineering | ENGR 102 | ENGR 100  | Pending | N/A | N/A | Under Review |
| Elements of Electrical Engineering | ECE 207 | ENGR 240 | Approved | N/A | N/A | Equivalent 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) |
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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

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.

The U of A Gender and Diversity requirement can now be satisfied through completing IGETC or CSU GEB.