



**Program Completion Guide  
ASSOCIATE IN APPLIED SCIENCE - MECHATRONICS ENGINEERING TECHNOLOGY**

**Student Name:** \_\_\_\_\_ **ID#:** \_\_\_\_\_ **Date of Enrollment:** \_\_\_\_\_

**Section I: Developmental Courses (if needed)**

Courses	Scores	Cr.	Prerequisites / Corequisites	Grade	Notes/Semester
DMA 010 Operations with Integers	<7 on DAP	1	Pre: None		
DMA 020 Fractions and Decimals	<7 on DAP	1	Pre: DMA 010		
DMA 030 Propor/Ratio/Rate/Percent	<7 on DAP	1	Pre: DMA 010-020		
DMA 040 Express/Lin Equat/Inequal	<7 on DAP	1	Pre: DMA 010-030 or MAT 060		
DMA 050 Graphs/Equations of Lines	<7 on DAP	1	Pre: DMA 010-040 or DMA 040 and MAT 060		
DMA 060 Polynomial/Quadratic Appl	Minimum of 75 on ACCUPLACER	1	Pre: DMA 010-050 or MAT 060 and MAT 070		
DMA 070 Rational Express/Equation		1	Pre: DMA 010-060 or MAT 060 and MAT 070		
DMA 080 Radical Express/Equations		1	Pre: DMA 010-070 or MAT 060 or MAT 070		
DRE 096 Integrated Reading and Writing	72-91 +	3	Pre: None		
DRE 097 Integrated Reading Writing II	91-128 +	3	Pre: DRE 096		
DRE 098 Integrated Reading Writing III	129-165 +	3	Pre: DRE 097		
	+ Reading Comprehension PLUS Sentence Skills Scores				

**Section II:**

**A. Mechatronics Engineering Technology Associate in Applied Science degree (A40350) Course Requirements 72/73 credit hours: Complete Section I (as required) and Section II, A.**

Courses	Cr.	Recommended Semester	Prerequisites / Corequisites	Semester Registered/Planned	Semester Completed/Grade
ACA 122 College Transfer Success	1	1 <sup>st</sup> year – fall	None		
CIS 110 Introduction to Computers	3	1 <sup>st</sup> year – fall	Pre: CIS 070, DRE 097 Co: DRE 098 or RED 090		
ELC 112 DC/AC Electricity	5	1 <sup>st</sup> year – fall	Pre: DMA 010		
or ELC 131 Circuit Analysis I	4	1 <sup>st</sup> year – fall	Pre: DMA 010-050 or MAT 070 Co: DRE 096 or ENG 080, RED 080		
ENG 111 Writing and Inquiry	3	1 <sup>st</sup> year – fall	Pre: DRE 098 or ENG 090 & RED 090 Co: ACA 115 or ACA 122		
MAT 171 Precalculus Algebra	4	1 <sup>st</sup> year – fall	Pre: DMA 010-080 or MAT 080		
ELC 117 Motors and Controls	4	1 <sup>st</sup> year – spring	Pre: ELC 112 or ELC 131		
ELN 133 Digital Electronics	4	1 <sup>st</sup> year – spring	Pre: ELC 112 or ELC 131		
HYD 110 Hydraulics/Pneumatics I	3	1 <sup>st</sup> year – spring	Pre: DMA 010-030 or MAT 060		
ISC 112 Industrial Safety	2	1 <sup>st</sup> year – spring	None		
MAT 172 Precalculus Trigonometry	4	1 <sup>st</sup> year – spring	Pre: MAT 171		
ENG 112 Writing/Research in the Disciplines	3	1 <sup>st</sup> year – summer	Pre: ENG 111		
DFT 151 CAD I	3	2 <sup>nd</sup> year – fall	Pre: DMA 010-030 or MAT 060, DRE 097 or RED 080		
ELN 260 Prog Logic Controllers	4	2 <sup>nd</sup> year – fall	Pre: ELC 112 or ELC 131		
ISC 132 Manufacturing Quality Control	3	2 <sup>nd</sup> year – fall	None		
MEC 130 Mechanisms	3	2 <sup>nd</sup> year – fall	Pre: DMA 010-020 or MAT 060		
PHY 151 College Physics I	4	2 <sup>nd</sup> year – fall	Pre: DRE 098 or RED 090, MAT		



			171		
ATR 112 Intro to Automation	3	2 <sup>nd</sup> year – spring	Pre: ELN 260		
ELC 213 Instrumentation	4	2 <sup>nd</sup> year – spring	None		
MEC 110 Intro to CAD/CAM	2	2 <sup>nd</sup> year – spring	Pre: DMA 010-020 or MAT 060		
MEC 180 Engineering Materials	3	2 <sup>nd</sup> year – spring	None		
MNT 240 Industrial Equip Troubleshooting	2	2 <sup>nd</sup> year – spring	Pre: ELC 112 or ELC 131 Co: ELC 112		

**Electives: (All degree seeking students must take one Humanities/Fine Arts and one Social/Behavioral Sciences elective from lists below unless a specific course is required above.)**

**Humanities/Fine Arts Electives (3 credits) \*\*** (Courses with the following prefixes will satisfy this requirement: ART, DRA, ENG (literature courses only), HUM, MUS, PHI, REL, and SPA (Intermediate Spanish I only).)

Courses offered at RCC:

ART 111, DRA 111, ENG 131, ENG 231, ENG 232, MUS 110, PHI 240, REL 211, REL 212, SPA 211

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	1st year – summer		

**Social/Behavioral Sciences Electives (3 hours) \*\*** (Courses with the following prefixes will satisfy this requirement: ANT, ECO+, GEO, HIS, POL, PSY, and SOC) +Some business and accounting curricula require economics and do not accept ECO courses as fulfillment of this elective requirement.)

Courses offered at RCC:

ANT 220, HIS 111, HIS 112, HIS 131, HIS 132, PSY 150, PSY 241, SOC 210, SOC 213

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	1st year – summer		

**NOTES:** \* Core Courses: Must have a grade of “C” or better

\*\* See course catalog for Prerequisite and/or Corequisite requirements

Students please read the following and sign below.

I understand that as an RCC student, I am ultimately responsible for my schedule. I understand that I must do the following or it may affect my ability to graduate on time.

- Complete all core courses with a grade of C or better
- Successfully complete all courses.
- Follow the established course sequence.

My advisor has information regarding other colleges and transfer opportunities that I can investigate after completing my degree/diploma/certificate and I understand that if I would like more information I can schedule an appointment with him/her.

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_