

<b>AUTOMATION, ROBOTICS AND CONTROLS TECHNOLOGY SPECIALIZATION (AAS)</b>					
<b>Intellectual Competencies*</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>	<b>Semester 5</b>
<b>1</b> <b>READING</b> the ability to analyze and interpret a variety of printed materials - books, documents, and articles	<b>MATH 1314</b>	<b>ENGL 1301</b>	<b>PHYS 1401</b>	<i>Humanities Elective</i>	<b>Social &amp; Behavioral Sciences Elective</b>
<b>2</b> <b>WRITING</b> the ability to produce clear, correct and coherent prose adapted to purpose, occasion and audience		<b>ENGL 1301</b>	<b>PHYS 1401</b>	<b>Humanities Elective</b>	<i>Social &amp; Behavioral Sciences Elective</i>
<b>3</b> <b>SPEAKING</b> ability to communicate orally in clear, coherent, and persuasive language appropriate to purpose, occasion, and audience		<b>ENGL 1301</b>	<b>Oral Communications Elective</b>	<i>Humanities Elective</i>	<i>Social &amp; Behavioral Sciences Elective</i>
<b>4</b> <b>LISTENING</b> analyze and interpret various forms of spoken communication, possess sufficient literacy skills of writing, reading		<b>ENGL 1301</b>	<b>PHYS 1401, Oral Communications Elective</b>	<i>Humanities Elective</i>	<i>Social &amp; Behavioral Sciences Elective</i>
<b>5</b> <b>CRITICAL THINKING</b> Ability to apply both qualitative and quantitative skills analytically and creatively to subject matter to evaluate arguments and construct alternative strategies.	<b>MATH 1314</b>	<b>ENGL 1301</b>	<b>PHYS 1401, Oral Communications Elective</b>	<i>Humanities Elective</i>	<b>Social &amp; Behavioral Sciences Elective</b>
<b>6</b> <b>COMPUTER LITERACY</b> understand our technological society, use computer based technology in communication, solving problems, acquiring information		<b>ENGL 1301</b>	<b>PHYS 1401, Oral Communications Elective</b>	<i>Humanities Elective</i>	<i>Social &amp; Behavioral Sciences Elective</i>
<b>Non-Core courses</b>	CETT 1403	CETT 1405	CETT 1429	ELMT 2441	ELPT 2449
<b>Non-Core courses</b>	CPMT 1445	CETT 1425	CETT 1445	INTC 2471	RBTC 2445
<b>Non-Core courses</b>	PTAC 2314	COSC 1315		RBTC 1405	EECT 2188
*All competencies are expected to be performed above the 12th grade level					
<b>Bold = competency addressed by this course</b>					
<i>Italics (orange) = &lt;25% likelihood of being addressed by this course</i>		<i>Italics (blue) = 51 - 75% likelihood of being addressed by this course</i>			
<i>Italics (red) = 25 - 50% likelihood of being addressed by this course</i>		<i>Italics (green) = &gt;75% likelihood of being addressed by this course</i>			