

**PROGRAM: Associate in Applied Science – Bioprocess Manufacturing Technology A20100A1 Advising Guide  
2025-2026**

<b>FALL SEMESTER I</b>				
<b>8 Weeks Session 1</b>	<b>8 Weeks Session 2</b>	<b>Course</b>	<b>Credit Hours</b>	<b>Program Notes</b>
X		BIO 110 Principles of Biology <i>Pre-req: ENG 002 (P2 grade) or ENG-025</i>	4	
X		PTC 110 Industrial Environment	3	
	X	BPM 110 Bioprocess Practices	5	
	X	ENG 111 Writing and Inquiry <i>Pre-req ENG-002 or ENG-025</i>	3	

<b>SPRING SEMESTER I</b>				
<b>8 Weeks Session 1</b>	<b>8 Weeks Session 2</b>	<b>Course</b>	<b>Credit Hours</b>	<b>Program Notes</b>
X		CIS 110 Introduction to Computers	3	
X		MAT 152 Statistical Methods I <i>Pre-req: ENG 025 and MAT-025</i>	4	
X		BIO 175 Microbiology <i>Pre-req: BIO 110, BIO 111, BIO 163, BIO 165, or BIO 168</i>	3	
	X	BTC 181 Basic Lab Techniques	4	
	X	BPM 111 Bioprocess Measurements <i>Pre-req: BPM 110</i>	4	

<b>SUMMER SEMESTER</b>				
<b>8 Weeks</b>		<b>Course</b>	<b>Credit Hours</b>	<b>Program Notes</b>
X		COM 231 Public Speaking <i>Pre-req: ENG 002 or ENG-025</i>	3	

<b>FALL SEMESTER II</b>				
<b>8 Weeks Session 1</b>	<b>8 Weeks Session 2</b>	<b>Course</b>	<b>Credit Hours</b>	<b>Program Notes</b>
X		BPM 112 Upstream Processing <i>Pre-req: BPM 111</i>	5	
X		HUM 115 Critical Thinking <i>Pre-req: ENG 002 or ENG-025 or ENG 111</i>	3	
	X	BPM 113 Downstream Processing <i>Pre-req: BPM 111</i>	4	
	X	CHM 131 Introduction to Chemistry <i>Co-req: CHM 131A</i>	3	
	X	CHM 131A Introduction to Chemistry Lab	1	

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		<i>Co-req: CHM 131</i>		
<b>SPRING SEMESTER II</b>				
<b>8 Weeks Session 1</b>	<b>8 Weeks Session 2</b>	<b>Course</b>	<b>Credit Hours</b>	<b>Program Notes</b>
X		BTC 150 Bioethics <i>Pre-req ENG-025</i>	3	
X		BTC 285 Cell Culture <i>Pre-req: BIO 110 or BIO 111</i>	4	
	X	ISC 278 cGPM Quality Systems	2	
	X	ISC 280 Validation Fundamentals	2	
	X	PSY 150 General Psychology <i>Pre-req: ENG 002 or ENG-025</i>	3	