

## **Molecular Sciences Technician**

**Associate in Applied Science-T Degree** 

STUDENT NAME	SID#	
PROGRAM CHAIR	DATE	

PROGRAM REQUIREMENTS			Requested Substitution/Transfer Credits (if applicable)			Completed		
Course	Course Title	CR	College/University	Course	CR	Grade	Quarter	Year
CORE COURS	EWORK							
BIOL 275	Laboratory Methods in Genomics	6						
BUS& 101	Introduction to Business	5						
BTS 147	Presentation Design & Delivery	3						
CHEM& 161	General Chemistry I	6						
CHEM& 162	General Chemistry II	6						
CHEM& 163	General Chemistry III	6						
CHEM 275	Introduction to Instrumental Analysis	6						
ENGL& 101	English Composition I	5						
ENGL& 235	Technical Writing	5						
MATH 130	Introduction to Statistics	5						
MATH& 151	Calculus I	5						
MATH& 152	Calculus II	5						
Choose 6 credi	its from the following:	6						
BIOL& 160	General Biology w/Lab (6 Cr)							
and BIOL& 211	Biology Majors Cellular (6 Cr)							
Choose 5 credits from the following (fulfills Cultural Diversity Requirement at Bellevue College):  5		5						
CMST 250 CMST 280	Organizational Communication (5 Cr) Intercultural Communication (5 Cr)							
HUMANITIES	(5 CREDITS)							
Choose 5 credits from the Direct Transfer Agreement (DTA).		5						
	CTIVES (12 CREDITS)							
Choose 12 cred	Choose 12 credits from the following:							
BIOL& 241 and	Anatomy & Physiology I (6 Cr)							
BIOL& 242	Anatomy & Physiology II (6 Cr)							
Or two of the following approved science electives:								
BIOL& 260 CHEM& 131 CHEM& 261 CHEM& 262 CHEM& 263 PHYS& 114 PHYS& 115 PHYS& 116 PHYS 121	Microbiology (6 Cr) Introduction to Organic/Biochemistry (6 Cr) Organic Chemistry I (6 Cr) Organic Chemistry II (6 Cr) Organic Chemistry III (6 Cr) General Physics I (6 Cr) General Physics II (6 Cr) General Physics III (6 Cr) General Engineering Physics I (6 Cr)							
PHYS 122 PHYS 123	General Engineering Physics II (6 Cr) General Engineer Physics III (6 Cr)							
TOTAL		91						

Graduates with a two-year molecular sciences technician degree will be prepared to work as laboratory technicians in a variety of environments, including bioscience research labs, chemical research labs, and environmental science labs. Typical job titles include biological technician, chemical technician, and laboratory technician. Individuals wishing to continue their education to the baccalaureate degree will be well prepared for the BAS in Molecular Biosciences planned at Bellevue College.

### **LEARNING OUTCOMES**

Degree recipients should possess the following skills and abilities:

 Read, understand, carry out protocols and use appropriate laboratory equipment with minimal supervision

- Apply the scientific method and good experimental design in the workplace
- Integrate laboratory skills and theory into job-related tasks
- Analyze and summarize scientific data using analytical and computational tools
- Communicate scientific ideas in either written or oral formats in a manner that is appropriate for either a technical or non-technical audience

### FOR MOST UP-TO-DATE INFORMATION, GO TO:

www.bellevuecollege.edu/programs/degrees/proftech/ applied/#mstdegree

Page 1 of 2



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NOTES	

Page 2 of 2

### **CULTURAL DIVERSITY REQUIREMENT (CDR)**

Below is a complete listing of all the courses that meet the college's Cultural Diversity requirements for the Associate Transfer Degrees. Classes will be applied toward either the Humanities, Social Science, Natural Sciences or electives.

#### **Transferable Courses:**

- *Anthropology* 100, 104, 106, 108, 117, 180, 200, 206, 208, 209, 210, 211, 212, 214, 219, 220, 222, 224, 235, 260, 265;
- Art 103
- Cultural and Ethnic Studies 100, 101, 106, 109, 120, 121, 130, 140, 152, 180, 200, 201, 203, 205, 210, 241, 257;
- **Communication Studies** 134, 250, 280
- *French* 131, 132, 133, 231, 232, 233

- **Geography** 123, 200, 277
- *History* 185, 246
- International Studies 123
- **Music** 117
- *Philosophy* 102, 145, 265
- Psychology 250
- Sociology 101, 120, 121, 122, 201, 205, 210, 215, 222, 230, 248, 249, 253, 254, 257, 260, 262, 264, 267, 268, 275

## **Restrictive Electives:**

- Allied Health 140
- Business 120, 241
- Criminal Justice 242
- **Education** 150, 240, 286
- Human Development 140
- Marketing Management 200

■ Nursing 290

For more information, go to: www.bellevuecollege.edu/programs/degrees/culturaldiversity/