



Articulation Agreement Summary Sheet

MassBay Community College

**Biotechnology: Forensic DNA Science
Associate of Science**

Arizona State University

**Forensics
Bachelor of Science**

Summary of Agreement:

The purpose of this agreement is to facilitate the seamless transfer of students graduated from Massachusetts Bay Community College with an Associate of Science in Biotechnology: Forensic DNA Science, to Arizona State University's Bachelor of Science in Forensics. This program is offered by the New College of Interdisciplinary Arts and Sciences in the School of Mathematical and Natural Sciences.

Admissions and Enrollment Guidelines:

- Catalog Year 2014 – 2015
 - Students will complete a total of 63 credit hours (of which 45 credit hours must be upper division).
 - Courses will be accepted based on the attached flow sheets as agreed upon by both institutions.
- Catalog Year 2015 – 2016
 - Students will complete a total of 74 credit hours (of which 45 credit hours must be upper division).
 - Courses will be accepted based on the attached flow sheets as agreed upon by both institutions.

Financial Aid and Scholarships:

All applicants are encouraged to fill out the Free Application for Federal Student Aid (FAFSA) to determine scholarship, grant, and loan eligibility. To find out more information regarding financial aid possibilities for transfer students, please contact the financial aid office of the institution in this agreement.

College / University Contact Information:

Dr. Marlene Tromp
Dean
New College of Interdisciplinary Arts and Sciences
Arizona State University
www.newcollege.asu.edu
<https://newcollege.asu.edu/prospective/resources>

Dr. Bruce Jackson
Chair, Professor
Biotechnology
MassBay Community College
www.massbay.edu/biotechnology

Term 1	Completed	Notes
BIO 181: General Biology I (SQ) (4)	Y	BI 110: Principles of BIO I with Lab (SG) (4)
CHM 113: General Chemistry I (SQ) (4)	Y	CH 110: Principles of CHM I with Lab (SQ) (4)
ENG 101: First Year Composition (3)	Y	EN 101: Freshman ENG I (3)
IAS 191: New College Seminar (2)	Y	N/A transfer students
MAT 210: Brief Calculus (MA) (3)	Y	Accepting MA 102 (Coll. Alg.) for AY 2014-15
Total hours subtotal: 16	Y	Semester hours still needed: 0
Term 2	Completed	
BIO 182: General Biology II (SG) (4)	Y	BI 120: Principles of BIO II with Lab (SG) (4)
CHM 116: General Chemistry II (SQ) (4)	Y	CH 120: Principles of CHM II with Lab (SQ) (4)
ENG 102: First Year Composition (3)	Y	EN 102: Freshman ENG II (3)
PSY 101: Introduction to Psychology (SB) (3)	Y	LA 241: DNA Law (SB) (3)
Total hours subtotal: 14	Y	Semester hours still needed: 0
Term 3	Completed	
CHM 233: General Organic Chemistry I (3)	Y	CH 201: Organic CHM I with Lab (4)
CHM 237: General Organic Chemistry Laboratory I (1)	Y	CH 201: Organic CHM I with Lab (4)
COM 225: Public Speak OR COM 222 Argumentation (L) (3)	N	
CRJ 100: Intro to Criminal Justice (SB) (3)	Y	LA 228: Criminal Law and Procedures (SB) (3)
PHY 111: General Physics (SQ) (3)	Y	Requirement complete for AY 2014-15
PHY 113: General Physics Laboratory (SQ) (1)	Y	Requirement complete for AY 2014-15
Total hours subtotal: 14	N	Semester hours still needed: 3
Term 4	Completed	
CHM 234: General Organic Chemistry II (3)	Y	CH 202: Organic CHM with Lab II (4)
CHM 238: General Organic Chemistry Laboratory II (1)	Y	CH 202: Organic CHM with Lab II (4)
PHY 112: General Physics (SQ) (3)	Y	Requirement complete for AY 2014-15
PHY 114: General Physics Laboratory (SQ) (1)	Y	Requirement complete for AY 2014-15
STP 226: Elements of Statistics (CS) (3)	N	
Historical Awareness (H) (3)	N	
Elective (1)	Y	BT 101: Intro to Biotechnology I (2)
Total hours subtotal: 15	N	Semester hours still needed: 6
Term 5	Completed	
BIO 305: Biology Behind the Crime Scene (SG) (4)	Y	BI 210: Molecular BIO with Lab (4)
LSC 347: Fundamentals of Genetics (3)	N	
LSC 348: Fundamentals of Genetics Laboratory (1)	N	
Humanities (HU) (3)	N	
Humanities (HU) & Cultural Diversity (C) (3)	N	
Total hours subtotal: 14	N	Semester hours still needed: 10
Term 6	Completed	
BIO 353: Cell Biology (3)	N	
BIO 354: Cell Biology Laboratory (1)	N	
CRJ 230: Introduction to Policing (3)	Y	BI 240: Forensic Microbiology with Lab (4)

CHM 302: Environmental Chemistry (3)	N	
Upper Division FOR Elective (3)	N	
ENG 310: Writing For Prof OR ENG 311: Persuasive (L) (3)	N	
Total hours subtotal: 16	N	Semester hours still needed: 13
Term 7	Completed	
BCH 371: Modern Concepts in Biochemistry (3)	N	
BCH 372: Modern Concepts in Biochemistry Laboratory (1)	N	
FOR 376: Analytical Chemistry for Life Sciences Lab (3)	N	
FOR 375: Analytical Chemistry for Life Sciences (3)	N	
Upper Division HU or SB and Global Awareness (G) (3)	N	
Language/Cultures Requirement: Upper Division C or G (3)	N	
Total hours subtotal: 16	N	Semester hours still needed: 16
Term 8	Completed	
Upper Division FOR Elective (3)	N	
Upper Division FOR Elective (3)	N	
Upper Division FOR Elective (3)	N	
FOR 475: Toxicology (3)	N	
Language/Cultures Requirement: Upper Division C or G (3)	N	
Total hours subtotal: 15	N	Semester hours still needed: 15
Total hours to complete ASU BS in Forensics: 120		
Total upper division credit hours: minimum 45		
Total hours needed for completion of BS by MassBay students upon transfer to ASU: 63		

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ENG 101: First Year Composition (3)	Y	EN 101: Freshman ENG I (3)
IAS 191: New College Seminar (2)	Y	N/A transfer students
MAT 210: Brief Calculus (MA) (3)	N	
Total hours subtotal: 16	N	Semester hours still needed: 3
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BIO 182: General Biology II (SG) (4)	Y	BI 120: Principles of BIO II with Lab (SG) (4)
CHM 116: General Chemistry II (SQ) (4)	Y	CH 120: Principles of CHM II with Lab (SQ) (4)
ENG 102: First Year Composition (3)	Y	EN 102: Freshman ENG II (3)
PSY 101: Introduction to Psychology (SB) (3)	Y	LA 241: DNA Law (SB) (3)
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CRJ 100: Intro to Criminal Justice (SB) (3)	Y	LA 228: Criminal Law and Procedures (SB) (3)
PHY 111: General Physics (SQ) (3)	N	
PHY 113: General Physics Laboratory (SQ) (1)	N	
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CHM 234: General Organic Chemistry II (3)	Y	CH 202: Organic CHM with Lab II (4)
CHM 238: General Organic Chemistry Laboratory II (1)	Y	CH 202: Organic CHM with Lab II (4)
PHY 112: General Physics (SQ) (3)	N	
PHY 114: General Physics Laboratory (SQ) (1)	N	
STP 226: Elements of Statistics (CS) (3)	N	
Historical Awareness (H) (3)	N	
Elective (1)	Y	BT 101: Intro to Biotechnology I (2)
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LSC 347: Fundamentals of Genetics (3)	N	
LSC 348: Fundamentals of Genetics Laboratory (1)	N	
Humanities (HU) (3)	N	
Humanities (HU) & Cultural Diversity (C) (3)	N	
Total hours subtotal: 14	N	Semester hours still needed: 10
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BIO 353: Cell Biology (3)	N	
BIO 354: Cell Biology Laboratory (1)	N	
CRJ 230: Introduction to Policing (3)	Y	BI 240: Forensic Microbiology with Lab (4)

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PHY 112: General Physics (SQ) (3)	N	
PHY 114: General Physics Laboratory (SQ) (1)	N	
STP 226: Elements of Statistics (CS) (3)	N	
Historical Awareness (H) (3)	N	
Elective (1)	Y	BT 101: Intro to Biotechnology I (2)
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CRJ 230: Introduction to Policing (3)	Y	BI 240: Forensic Microbiology with Lab (4)