

Mathematics

Associate in Science in Mathematics/Natural Science

to

Bachelor of Science in Mathematics

Delaware County Community College

Immaculata University

First Semester			Freshman First Semester		
ENG 100	English Composition	3	ENG 106	Composition I	3
Laboratory Science	BIO 100, 110, 111, 150, 151, 220, 230; CHE 100, 101, 102, 110, 111, 200, 201; PHY 110, 111 (NOTE –courses must have a lab component)	4		Dependent on course selection	4
MAT 160	Calculus I	5	MATH 301	Calculus I	3
	History Elective	3		History Requirement	3
DPR 100	Introduction to Information Technology	3	CIS 201	Computer Literacy I	3
		18			16
Second Semester			Freshman Second Semester		
ENG 112	English Composition II	3	ENG 107	Composition II	3
Laboratory Science	BIO 100, 110, 111, 150, 151, 220, 230; CHE 100, 101, 102, 110, 111, 200, 201; PHY 110, 111 (NOTE –courses must have a lab component)	4		Dependent on course selection	4
MAT 161	Calculus II	5	MATH 302	Calculus II	3
	History Elective	3		History Requirement	3
DPR 108	Introduction to Computer Science	3	CIS 105	3D Computing	3
		18			16
Third Semester			Sophomore First Semester		
MAT 260	Calculus III	3	MATH 304	Calculus III	3
PHY 131	University Physics I	4	PHY 203	Physics I	4
ENG Lit	ENG 200 level or above	3		Dependent on course selection	3
PHI 100 OR PHI 110	Introduction to Philosophy or Contemporary Moral Problems	3		Dependent on course selection	3
MAT 230	Foundations of Discrete Mathematics	3	MATH 218	Discrete Mathematics with Applications	3
		16			16
Fourth Semester			Sophomore Second Semester		
PHY 132	University Physics II	4	PHY 204	Physics II	4
MAT 200	Linear Algebra	3	MATH 311	Linear Algebra	3
Humanities Elective	ART 110, 130, 140 ; DRA 100, 110, 111; Any 200-level ENG course; HUM 100, 141, 160; MUS 101-123, or 127; PHI 100 or 110; Foreign Language	3		Dependent on course selection	3
MAT 261	Differential Equations	3	MATH 309	Differential Equations	3
HUM 160	Introduction to World Religion	3	THE 314	World Religions	3
		16			16
	Total Credits	68		Total Credits	64