

PVCC CURRICULUM SHEET 2016-2017

**Physical & Natural Sciences
 Specialization in Biotechnology
 Associate of Science**
 Code: 880-06
 Transfer Program

Student Name: _____ Student ID Number: _____

DEVELOPMENTAL COURSES (IF APPLICABLE)	REQUIRED COURSES	COURSE DESCRIPTION	CREDITS	PLAN TO TAKE	GRADE
	SDV 100/101	Orientation	1		
	ENG 111	College Composition I	3		
	ENG 112	College Composition II	3		
	HIS ____	HIS 121 U.S. History I or HIS 101 History of Western Civilization I or HIS 111 History of World Civilization I	3		
	HIS ____	HIS 122 U.S. History II or HIS 102 History of Western Civilization II or HIS 112 History of World Civilization II	3		
	BIO 180	Introduction to Biotechnology Careers	1		
	BIO 101	General Biology I w/Laboratory	4		
	BIO 102	General Biology II w/Laboratory	4		
	BIO 206	Cell Biology	4		
	BIO 256	General Genetics	4		
	BIO/CHM 299	Supervised Study in Science	2		
	CHM 111	College Chemistry I w/Laboratory	4		
	CHM 112	College Chemistry II w/Laboratory	4		
	ITE 119	Information Literacy	3		
	HLT/PED	Health or Physical Ed Elective	1		
	MTH 163	Pre-Calculus ¹	3		
	MTH ____	MTH 240 Statistics or MTH 157 Elementary Statistics ¹ or MTH 271 Applied Calculus	3		
	BIO ____ CHM ____	BIO 150 Microbiology or CHM 260 Biochemistry	3-4		
	____	Social Science Elective ²	3		
	PHI ____	PHI 220 Ethics or PHI 227 Biomedical Ethics	3		
	____	Humanities Elective ^{2,3}	3		

Total Minimum Credits to Complete the A.S. Degree in Biotechnology = 62

Graduation Requirement: 1. Students entering all degree programs are required to take one Writing Intensive Course, which has a prerequisite of **ENG 111 and ENG 112**, in order to graduate. Approved Writing Intensive Courses are specified with a "**WI**" section designation. 2. Earned a cumulative grade point average of at least 2.0 and in good standing.

¹ Mathematics: Check with the intended transfer college or university to ensure that they appropriate math courses and sequencing are selected.

²List of courses that fulfill the requirement for Humanities Elective and Social Science Elective can be found on the back of this sheet.

³Introductory (101 or 102 level) foreign language courses will not meet the humanities elective requirement for this program.

Sequence of PVCC Developmental English Courses

ENF 1 → ENF 3/ENG 111 or ENG 111

ENF 2 → ENF 3/ENG 111 or ENG 111

Sequence for ESL Students:

ESL 12 → ESL 13 → ENG 111

Sequence of PVCC Developmental Math Courses

MTE 1 → MTE 2 → MTE 3 → MTE 4 → MTE 5

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MTE 9 ← MTE 8 ← MTE 7 ← MTE 6

Approved Humanities Course Electives

ARA* 101, ARA 102, ARA 201, ARA 202

ART 100, ART 101, ART 102, ART 121, ART 122, ART 125, ART 131, ART 132, ART 138, ART 153, ART 154, ART 231, ART 232, ART 235, ART 236, ART 241, ART 242, ART 259, ART 271, ART 272

ASL* 101, ASL 102, ASL 201, ASL 202

CHI* 101, CHI 102, CHI 201, CHI 202

CST 130, CST 131, CST 132, CST 141, CST 229, CST 250
DAN 200

ENG 211, ENG 212, ENG 241, ENG 242, ENG 243, ENG 244, ENG 250, ENG 251, ENG 252, ENG 253, ENG 254, ENG 255, ENG 273

FRE* 101, FRE 102, FRE 201, FRE 202

GER* 101, GER 102, GER 201, GER 202

HUM 201, HUM 202, HUM 241, HUM 259

ITA* 101, ITA 102, ITA 201, ITA 202

JPN* 101, JPN 102, JPN 201, JPN 202

LAT* 101, LAT 102, LAT 201, LAT 202

MUS 121, MUS 122, MUS 221, MUS 225

PHI 100, PHI 111, PHI 200, PHI 220, PHI 227, PHI 260

REL 200, REL 210, REL 215, REL 216, REL 230, REL 233, REL 237, REL 240, REL 246

RUS* 101, RUS 102, RUS 201, RUS 202

SPA* 101, SPA 102, SPA 201, SPA 202

* 100 level foreign language courses may NOT be used to satisfy the humanities graduation requirement in programs where only one humanities course is required. In programs with two humanities courses, only one 100 level foreign language course may be used to satisfy the humanities graduation requirement.

Approved Transfer Electives

(All courses listed above also qualify as Transfer Electives)

ACC 211, ACC 212, ACC 213, ACC 214

ADJ 100, ADJ 133, ADJ 201, ADJ 227, ADJ 229, ADJ 232, ADJ 236

BUS 100, 241

CSC 110, CSC 201, CSC 202, CSC 205

CST 100

Approved Mathematics Course Electives

MTH 152, MTH 157, MTH 163, MTH 164, MTH 173, MTH 174, MTH 180, MTH 240, MTH 271, MTH 277, MTH 279, MTH 286

Approved Science with Lab Course Electives

BIO 101, BIO 102, BIO 106, BIO 107, BIO 141, BIO 142, BIO 150, BIO 206, BIO 256, BIO 270

CHM 101, CHM 102, CHM 111, CHM 112, CHM 241, CHM 242, CHM 243, CHM 244, CHM 260, CHM 261

GOL 105, GOL 106, GOL 111

NAS 131, NAS 132

PHY 100, PHY 201, PHY 202, PHY 241, PHY 242

Approved Social Science Course Electives

ECO 201, ECO 202

GEO 210

HIS 101, HIS 102, HIS 111, HIS 112, HIS 121, HIS 122, HIS 127, HIS 141, HIS 142, HIS 270, HIS 276, HIS 277, HIS 281, HIS 282

PLS 135, PLS 211, PLS 212, PLS 215, PLS 216, PLS 225, PLS 241, PLS 242

PSY 200, PSY 215, PSY 230, PSY 235

SOC 200, SOC 210, SOC 215, SOC 225, SOC 252, SOC 266, SOC 268

ENG 111, 112, 121, 122, 210

EGR 115, EGR 120, EGR 126, EGR 240, EGR 245, EGR 246, EGR 248, EGR 255

GIS 200

HLT 110, 230

ITD 110, ITD 130, ITE 119, ITE 120, ITE 150, ITE 221,

ITP 120

MUS 101, 102, 111, 112, 211, 212

Note to students transferring credits TO PVCC: Transferred courses may fulfill a requirement under PVCC's approved electives (above). To receive credit for a specific PVCC elective from transferred courses, registrar's approval will be required.

Note to students transferring credits FROM PVCC TO FOUR-YEAR INSTITUTIONS: Although a course fulfills a requirement for a PVCC program, it is possible the same course will not fulfill a requirement at a four-year institution. Students who plan to transfer need to be aware of the four-year institution's requirements.

Note: Students may petition the appropriate dean to substitute a course not listed on this list.