

**PVCC CURRICULUM SHEET 2020-2021**

**Engineering**  
**Associate of Science**  
 Code: 831  
 Transfer Program

Student Name: \_\_\_\_\_ Student ID Number: \_\_\_\_\_

DEVELOPMENTAL COURSES (IF APPLICABLE)	REQUIRED COURSES	COURSE DESCRIPTION	CREDITS	PLAN TO TAKE	GRADE
	SDV 100	College Success Skills	1		
	ENG 111	College Composition I	3		
	ENG 112	College Composition II	3		
	CHM 111	College Chemistry	4		
	CSC 110	Introduction to Computing	3		
	EGR 121	Foundations of Engineering	2		
	EGR 122	Engineering Design	3		
	EGR 126 or CSC 201	Computer Programming for Engineers or Computer Science I	3		
	EGR ____	Engineering Elective <sup>3</sup>	3		
	EGR ____	Engineering Elective <sup>3</sup>	3		
	____	Engineering Elective/Technical Elective <sup>3,4</sup>	3		
	EGR ____	Engineering Elective <sup>3</sup>	3		
	ECO 201	Principles of Macroeconomics or Social Science Elective <sup>1</sup>	3		
	MTH 167 or ____	Precalculus with Trigonometry or Transfer Elective <sup>1</sup>	3-5		
	MTH 263	Calculus I	4		
	MTH 264	Calculus II	4		
	MTH 265	Calculus III	4		
	PHY 241	University Physics I	4		
	PHY 242	University Physics II	4		
	____	Humanities Elective <sup>1,2</sup>	3		
	____	Humanities Elective <sup>1,2</sup>	3		
	____	Social Science Elective <sup>1</sup>	3		

**Total Minimum Credits to Complete the A.S. Degree in Engineering = 69**

**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. Beginning in Fall 2020, students in all degree programs are required to take at least one Civic Engagement course to graduate.

<sup>1</sup>List of courses that fulfill the requirement for Humanities Elective and Social Science Elective can be found on this back of this sheet.

<sup>2</sup>To meet the Humanities Elective requirement for this program, no more than one introductory foreign language course (101 or 102 level) may be used.

<sup>3</sup>Engineering Elective: Students must choose from the list of 200-level EGR courses. Students are advised to consult with the intended transfer institution before choosing the Engineering Elective.

<sup>4</sup>Technical Elective: Approved Technical Electives are: CHM 112 College Chemistry II, CSC 201 Computer Science I, or MTH 267 Differential Equations. Students are advised to check with the intended transfer institution before choosing the Technical Elective.

<sup>5</sup>The Bachelor of Science degree in engineering at most four-year institutions will require specific engineering and technical electives at the freshman and sophomore level. Students should consult with the engineering program liaison or engineering advisor at the earliest possible date to acquaint themselves with the requirements of the engineering program of the intended transfer college or university. Student choice should be based on the requirements of four-year college or university to which student plans on transferring.

### Approved Humanities Course Electives

**ART** 100, ART 101, ART 102, ART 109, 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 271, ART 272

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

**CST** 131, CST 132, CST 141, CST 229, CST 250

**ENG** 211, ENG 241, ENG 242, ENG 243, ENG 244, ENG 246, ENG 250, ENG 251, ENG 252, ENG 253, ENG 254, ENG 255

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

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

**HUM** 201, HUM 202, HUM 259

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

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

**MUS** 121, MUS 122, MUS 225

**PHI** 100, PHI 220, PHI 227

**REL** 200, REL 210, REL 215, REL 216, REL 230, REL 233, REL 237

**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, BUS 241

**CSC** 110, CSC 201, CSC 202, CSC 205

**CST** 100

**ENG** 111, ENG 112, ENG 121, ENG 122, ENG 210

### Approved Mathematics Course Electives

**MTH** 154, MTH 155, MTH 161, MTH 162, MTH 165, MTH 167, MTH 245, MTH 261, MTH 263, MTH 264, MTH 265, MTH 266, MTH 267, MTH 288

### 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

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

**PSY** 200, PSY 215, PSY 230, PSY 235, PSY 270

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

**EGR** 121, EGR 122, EGR 126, EGR 240, EGR 245, EGR 246, EGR 248, EGR 255

**HLT** 110, HLT 230

**ITE** 119, ITE 120

**MUS** 101, MUS 102, MUS 111, MUS 112, MUS 211, MUS 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.