Physical & Natural Sciences
Associate of Science
Code: 880
Transfer Program

Student Name: ______________________________________  Student ID Number: _______________________

<table>
<thead>
<tr>
<th>DEVELOPMENTAL COURSES (IF APPLICABLE)</th>
<th>REQUIRED COURSES</th>
<th>COURSE DESCRIPTION</th>
<th>CREDITS</th>
<th>PLAN TO TAKE</th>
<th>GRADE</th>
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<tbody>
<tr>
<td></td>
<td>SDV 100/101/108</td>
<td>Orientation</td>
<td>1</td>
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<td></td>
<td>ENG 111</td>
<td>College Composition I</td>
<td>3</td>
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<td></td>
<td>ENG 112</td>
<td>College Composition II</td>
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<td>HIS ___</td>
<td>HIS 121 U.S. History I or HIS 101 History of Western Civilization I or HIS 111 History of World Civilization I</td>
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<td>HIS ___</td>
<td>HIS 122 U.S. History II or HIS 102 History of Western Civilization II or HIS 112 History of World Civilization II</td>
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<td></td>
<td>MTH ___</td>
<td>Mathematics Elective ⁵</td>
<td>3-5</td>
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<td>MTH ___</td>
<td>Mathematics Elective ⁵</td>
<td>3-5</td>
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<td></td>
<td>BIO/CHM/PHY/GOL/ 299</td>
<td>Supervised Study in Science</td>
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<td>___ ___</td>
<td>Science w/Laboratory Elective ¹,²,³,⁴</td>
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<td>Science w/Laboratory Elective ¹,²,³,⁴</td>
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<td>Science w/Laboratory Elective ¹,²,³,⁴</td>
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<td>Science w/Laboratory Elective ¹,²,³,⁴</td>
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<td>ITE 119</td>
<td>Information Literacy</td>
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<td>HLT/PED</td>
<td>Health or Physical Ed Elective</td>
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<td>___ ___</td>
<td>Mathematics or Science w/Laboratory Elective ¹</td>
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<td>___ ___</td>
<td>Humanities Elective ³,⁶</td>
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<td>___ ___</td>
<td>Humanities Elective ³,⁶</td>
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<td>___ ___</td>
<td>Social Science Elective ³</td>
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Total Minimum Credits to Complete the A.S. Degree in Science = 61

Graduation Requirement: Students entering all transfer degree programs are required to take one Writing Intensive Course in order to graduate. The Writing Intensive Course prerequisites are ENG 111 and ENG 112. Approved Writing Intensive Courses (sections MUST be specified): ENG 242, ENG 253, ENG 243, HUM 201/202, PHI 100, HIS 101, SOC 200, ART 101, CHM 242, CHM 244, CHM 260, BIO 256, ITE 182.

¹BIO 106, CHM 101, CHM 102, NAS 131 and NAS 132 cannot be used to satisfy the Science w/Laboratory in this degree program.

²Students planning to transfer as biology majors should take BIO 101/102 in their first year

³Students planning to transfer as chemistry majors should take CHM 111/112 in their first year

⁴BIO 141/142 are recommended for students planning to transfer in pre-professional programs such as Nursing, Medicine, Dentistry, Physical Therapy or Physician Assistant programs.

⁵List of courses that fulfill the requirement for Humanities, Social Science, Mathematics, and Science w/Laboratory Electives can be found on the back of this sheet.

⁶To meet the Humanities Elective requirement for this program, no more than one introductory foreign language course (101 or 102 level) may be used.
**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

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### 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 238, ART 241, ART 242, ART 259, ART 271, ART 272
- **ASL** 101, ASL 102, ASL 201, ASL 202
- **CHI** 101, CHI 102
- **CST** 130, CST 131, CST 132, CST 141, CST 142, CST 229, CST 250
- **DAN** 200, DAN 210
- **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 271, ENG 272, ENG 273, ENG 274, ENG 276
- **FRE** 101, FRE 102, FRE 201, FRE 202
- **GER** 101, GER 102, GER 201, GER 202
- **HUM** 201, HUM 202, HUM 241, HUM 242, 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 222, MUS 225
- **PHI** 100, PHI 101, PHI 102, PHI 111, PHI 200, PHI 220, PHI 227, PHI 260, PHI 266, PHI 276
- **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 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 107, BIO 141, BIO 142, BIO 150, BIO 206, BIO 256, BIO 270
- **CHM** 111, CHM 112, CHM 241, CHM 242, CHM 243, CHM 244, CHM 260, CHM 261
- **GOL** 105, GOL 106, GOL 111
- **PHY** 201, PHY 202, PHY 241, PHY 242

### Approved Social Science Course Electives

- **ECO** 201, ECO 202, ECO 245
- **GEO** 210, GEO 220
- **HIS** 101, HIS 102, HIS 111, HIS 112, HIS 121, HIS 122, HIS 127, HIS 141, HIS 142, HIS 211, HIS 269, HIS 270, HIS 276, HIS 277, HIS 281, HIS 282
- **PLS** 120, PLS 211, PLS 212, PLS 215, PLS 216, PLS 225, PLS 241, PLS 242
- **PSY** 200, PSY 215, PSY 225, PSY 230, PSY 235, PSY 236
- **SOC** 200, SOC 215, SOC 225, SOC 236, SOC 252, SOC 266, SOC 268

### 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 238, ART 241, ART 242, ART 259, ART 271, ART 272
- **ASL** 101, ASL 102, ASL 201, ASL 202
- **CHI** 101, CHI 102
- **CST** 130, CST 131, CST 132, CST 141, CST 142, CST 229, CST 250
- **DAN** 200, DAN 210
- **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 271, ENG 272, ENG 273, ENG 274, ENG 276
- **FRE** 101, FRE 102, FRE 201, FRE 202
- **GER** 101, GER 102, GER 201, GER 202
- **HUM** 201, HUM 202, HUM 241, HUM 242, HUM 259
- **ITA** 101, ITA 102, ITA 201, ITA 202
- **JPN** 101, JPN 102, JPN 201, JPN 202
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**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.