

# Ascending Lights: iGraduate "ROAD MAP TO SUCCESS" Academic Planning Tool

## Cover Sheet

Student's Name Angela Cuevas Mentor's Name Sandra Jackson

Date Originally Prepared 3/13/13 Revised as of this date \_\_\_\_\_

### 1. Educational Goal:

☐ I want to earn a **CERTIFICATE ONLY** (Go to Section A for instructions)

☒ I want to earn an **ASSOCIATE DEGREE ONLY** (Go to Section B for instructions)

☐ I want to earn an **ASSOCIATE DEGREE AND TRANSFER TO A CALIFORNIA STATE UNIVERSITY (CSU)** (Go to Section C for instructions)

University Name: \_\_\_\_\_ Major: \_\_\_\_\_

☐ I want to earn an **ASSOCIATE DEGREE AND TRANSFER TO A UNIVERSITY OF CALIFORNIA (UC)** (Go to Section D for instructions)

University Name: \_\_\_\_\_ Major: \_\_\_\_\_

☐ I want to earn an **ASSOCIATE DEGREE AND TRANSFER TO A PRIVATE UNIVERSITY** (Go to Section E for instructions)

University Name: \_\_\_\_\_ Major: \_\_\_\_\_

☐ **OTHER:** (Please specify) \_\_\_\_\_

2. My Community College is: Pasadena City College

3. My Student ID is: 123-456789

4. My Password is: 1234

5. My Community College Major will be: (Please check one)

☒ Specific Departmental Major: (Please specify) Child Development

Catalog pages 120 & 146

☐ General Studies Major (Please check one below)

- ☐ Arts & Humanities
- ☐ Social & Behavioral Sciences
- ☐ Natural Sciences
- ☐ Liberal Studies

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### College Assessment Scores and Non Degree Applicable Prerequisite Courses Needed

6. My college assessment test placed me in Math course # 125

In order to achieve my **Educational Goal**, I must take and pass Math course # 131

In order to take the course above I must FIRST take and pass the following Math courses:

PREREQUISITE NDA* MATH COURSES	N	IP	C	Units
Math 125 Beginning Algebra	4			4
TOTAL PREREQUISITE NDA* MATH UNITS	4			4

7. My college assessment test placed me in English course # 100

In order to achieve my **Educational Goal** I must take and pass English course # 1A

In order to take the course above I must FIRST take and pass the following English courses:

PREREQUISITE NDA* ENGLISH COURSES	N	IP	C	Units
ENGL 100 English Essentials			4	4
ENGL 901 Writing Center Lab			.3	.3
TOTAL PREREQUISITE NDA* ENGLISH UNITS			4.3	4.3

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\*Note: Non-degree-applicable (NDA) basic skills courses are designed to prepare students for success in college-level classes. NDA courses do not count toward a certificate or degree, and are not transferable.

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## Master Planning Worksheet

Course Name and Number	Notes	N	IP	C	Units
<b>MAJOR COURSES FROM CATALOG</b>	Major Courses are those required for your major or occupational field.				
Number Of Major Units Required: <b>37</b>					
1. <b>CHDV 10</b>				3	3
2. <b>ENGL 1A (Also meets a requirement on the G.E. Progress Tracker)</b>			4		4
3. <b>PSYCH 21</b>			3		3
4. <b>CHDV 13A</b>		4			4
5. <b>CHDV 120</b>		3			3
6. <b>CHDV 13B</b>		4			4
7. <b>CHDV 15</b>		3			3
8. <b>CHDV 13C</b>		4			4
9. <b>CHDV 116</b>		3			3
10. <b>CHDV 24A</b>		2			2
11. <b>DANCE 25</b>		2			2
12. <b>PEth 27C</b>		2			2
	<b>UNITS FROM ADDITIONAL WORKSHEET</b>				
	<b>TOTAL UNITS</b>	27	7	3	37
<b>G.E. PROGRESS TRACKER</b>					
Unit summary from my G.E. Progress Tracker:	—————> <b>TOTAL UNITS</b>	27	0	0	27
<b>ARTICULATION AGREEMENT BY MAJOR from <a href="http://WWW.ASSIST.ORG">WWW.ASSIST.ORG</a></b>	Circle below the section where you have listed Articul. Agreemt. Courses.				
1.	MAJOR G.E.TRACKER OTHER				
2.	MAJOR G.E.TRACKER OTHER				
3. <b>This section is used for transfer students only.</b>	MAJOR G.E.TRACKER OTHER				
4.	MAJOR G.E.TRACKER OTHER				
5.	MAJOR G.E.TRACKER OTHER				
6.	MAJOR G.E.TRACKER OTHER				
7.	MAJOR G.E.TRACKER OTHER				
8.	MAJOR G.E.TRACKER OTHER				
9.	MAJOR G.E.TRACKER OTHER				
10.	MAJOR G.E.TRACKER OTHER				
11.	MAJOR G.E.TRACKER OTHER				
12.	MAJOR G.E.TRACKER OTHER				
<b>OTHER (i.e. electives, degree applicable prerequisites, recommended courses)</b>					
1.					
2. <b>English 900, Writing Lab, corequisite for English 1A (NDA)</b>			.3		.3
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
<b>TOTAL PREREQUISITE NDA* MATH UNITS</b>	<b>From Page 2, Item 6</b>	4			4
<b>TOTAL PREREQUISITE NDA* ENGLISH UNITS</b>	<b>From Page 2, Item 7</b>			4.3	4.3
	<b>UNITS FROM ADDITIONAL WORKSHEET</b>	-	-	-	-
	<b>TOTAL OTHER UNITS</b>	4	.3	4.3	8.6
<b>GRAND TOTAL OF UNITS</b>		58	7.3	7.3	72.6

## Additional Worksheet

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## Ascending Lights: iGraduate “ROAD MAP TO SUCCESS” Academic Planning Tool

Use this sheet to supplement the **Master Planning Worksheet**.

Course Name and Number	Notes	N	IP	C	Units
<b>MAJOR COURSES FROM CATALOG</b>	Major Courses are required for your major or occupational field.				
<b>Number Of Major Units Required:</b>					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
	<b>Units added to the Master Planning Worksheet</b>				
<b>ARTICULATION AGREEMENT BY MAJOR from <a href="http://WWW.ASSIST.ORG">WWW.ASSIST.ORG</a></b>	Circle below the section where you have listed Articul. Agreemt. Courses.				
13.	MAJOR G.E.TRACKER OTHER				
14.	MAJOR G.E.TRACKER OTHER				
15.	MAJOR G.E.TRACKER OTHER				
16.	MAJOR G.E.TRACKER OTHER				
17.	MAJOR G.E.TRACKER OTHER				
18.	MAJOR G.E.TRACKER OTHER				
19.	MAJOR G.E.TRACKER OTHER				
20.	MAJOR G.E.TRACKER OTHER				
21.	MAJOR G.E.TRACKER OTHER				
22.	MAJOR G.E.TRACKER OTHER				
23.	MAJOR G.E.TRACKER OTHER				
24.	MAJOR G.E.TRACKER OTHER				
25.	MAJOR G.E.TRACKER OTHER				
26.	MAJOR G.E.TRACKER OTHER				
<b>OTHER (i.e. electives, degree applicable prerequisites, recommended courses)</b>					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
	<b>Units added to the Master Planning Worksheet</b>				

DO  
NOT  
USE  
THIS  
AREA

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### Section B

#### **ASSOCIATE DEGREE ONLY**

(I do not want to transfer to a four year university)

##### General requirements for all Associates degrees with no transfer intended.

- 1) All Associates degrees require a minimum of 60-64\* degree applicable units.
- 2) All Associates degrees require that the student pass freshman composition or college English.
- 3) All Associates degrees require that the student pass intermediate algebra.
- 4) Only one natural science course is required.
- 5) A Physical Education course and Self Development course are required.

##### Option 1 (Heavy on GE's, light on Major units)

- 1) Requires a minimum of 28-30\* degree applicable general education units.
- 2) Requires a minimum of 18 units in a major field or emphasis (See the college catalog for available degrees and specific requirements).
- 3) Add electives to equal a total minimum of 60-64\* degree applicable units.

##### Option 2 (Light on GE's, heavy on Major units). Some colleges call this an “occupational degree” or an “Associate in Science” degree.

- 1) Requires a minimum of 18-25\* applicable general education units.
- 2) Requires a minimum of 24-36\* units in a single major field (See the college catalog for available degrees and specific course requirements including prerequisites).
- 3) Add electives to equal a total minimum of 60-64\* degree applicable units.

\*Depending on the college and major.

Non-degree-applicable (NDA) basic skills courses are designed to prepare students for success in college-level classes. NDA courses do not count toward an AA degree.

#### **Getting Started:**

##### I will need:

- 1) My Community College's “*Catalog*” (current school year).
- 2) A print copy of ALLN's “*G.E. Progress Tracker*” (PDF file for Associate Degree) for my community college (also available at your community college's counseling office).
- 3) Unofficial transcripts of all community college coursework I have completed to date.
- 4) My Community College's “*Schedule of Classes*” (current school semester).

#### **Finishing Up:**

##### I will need to:

- 1) Photocopy the page(s) in my “*Catalog*” that describe(s) the curriculum for my major, including prerequisite and corequisite courses, recommended preparation courses, major courses, required elective courses, and recommended elective courses.
- 2) Fill in whether classes are “Needed,” “In Progress,” or “Completed” on the “*G.E. Progress Tracker*.”
- 3) Fill in all of the classes that I need to take from the “*Catalog*” and “*G.E. Progress Tracker*” on the “*Master Planning Worksheet*,” including all coursework from unofficial transcripts. Use the “*Additional Worksheet*” if more space is needed.
- 4) Staple together the following: “*Catalog*” photocopies, “*G.E. Progress Tracker*,” “*Master Planning Worksheet*,” “*Additional Worksheet*” (if used), and “*Academic Plan*” cover sheet.
- 5) Refer to my “*Schedule of Classes*” to see when classes are being offered and to select classes for next semester.

## PCC REGISTRATION SERVICES

Unofficial Grades/Advising Transcript

### ANGELA CUEVAS

Course Name	Course Title	Grade	Units Att	Units Comp	Grade Points	GPA
<b>Fall 2012</b>						
ENGL 100	English Essentials	B	4	4	12	
ENGL 901	Writing Center lab	CR	<.3>	.3	0	
CHDV 10	Foundations of Child Dev	A	3	3	12	
Term totals			7	7.3	24	3.43
<b>Spring 2013</b>						
ENGLISH 1A	Reading & Composition		4	In progress		
ENGLISH 900	Writing Center Lab		< .3>	In progress		
PSYCH 21	Developmental Psychology, The Child		3	In progress		

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## ANGELA'S PLACEMENT ASSESSMENTS SCORES

Your Placement Assessment placed you in **MATH 125**

Your Placement Assessment placed you in **ENGLISH 100**

# SECTION VI

## CAREER AND TECHNICAL EDUCATION

At Pasadena City College, Career and Technical Education (CTE) programs have a primary goal of preparing students for employment or upgrading of job skills. This is done through the issuance of a Certificate of Achievement or an Occupational Skills Certificate.

### REQUIREMENTS FOR THE CERTIFICATE OF ACHIEVEMENT/ASSOCIATE IN SCIENCE DEGREE

Students interested in developing advanced levels of proficiency in a career and technical area may pursue a Certificate of Achievement, which requires the completion of 18 units or more. Pasadena City College currently offers 75 Certificate of Achievement Programs in 37 subject areas. Employer feedback suggests that strong academic skills are critical for success in today's high-performance workplace. It is, therefore, strongly recommended that students also complete the requirements for the Associate in Science Degree (see page 115). Students may earn only one Associate in Science Degree with a Certificate of Achievement.

Some programs will include certain subjects required by the College or by state law. Beyond these minimum requirements, programs will vary widely depending upon the vocational or professional goal of the student. Students who change their vocational goals during their course of study may find it impossible to complete the curriculum in the customary span of time and may need to take additional courses. Students should consult counseling services for information about specific requirements, any pre-requisites or co-requisites, and to develop an education plan that will assist them in reaching their goal. Upon completion of the specified curriculum for a Career and Technical Education program students may petition in the appropriate division office for issuance of the Certificate of Achievement. Students may earn multiple Certificates of Achievement.

All courses are described in **Section VIII, Course Descriptions**. In instances where the help of a counselor is necessary for proper understanding of requirements, the student should not hesitate to contact the office of Counseling and Career Services.

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at [www.pasadena.edu/CTE](http://www.pasadena.edu/CTE).

### CERTIFICATE OF ACHIEVEMENT PROGRAMS

Students who want to earn a Certificate of Achievement and/or an Associate in Science Degree may choose a major from the following list of programs:

#### Accounting

- Accounting – Bookkeeping
- Accounting – Bookkeeping Assistant
- Accounting Clerk

#### Administration of Justice

##### Anesthesia Technician

#### Automotive Technology

- All Automotive Systems
- Air Conditioning Technician
- Electrical/Electronics Systems
- Engine Performance Technician
- Powertrain Technician
- Undercar Technician
- Underhood Technician

#### Biological Technology

- Computational Biology
- Laboratory Assistant
- Stem Cell Culture

#### Building Construction

#### Business Administration

- Entrepreneurship
- Financial Investment
- International Business/Trade
- Management
- Marketing Merchandising
- Retail Management

#### Business Information Technology

- Administrative Assistant
- Business Software Specialist
- Data Entry Technician

#### Child Development

**Program Outcomes:**

1. Perform a variety of tasks including document processing, greeting visitors, handling telephone calls, using office equipment, and managing business records.
2. Apply appropriate business software to complete tasks.
3. Compute, record, and proofread records or reports; review files, records, and other documents to obtain information.

**Requirements for the Occupational Skills Certificate (16-16 ½ units):**

## Semester I

BIT 11A

BIT 25

BIT 107

BIT 102

or BIT 133A

or BIT 133B

## Semester II

BIT 11B

BIT 128A

BIT 128B

BIT 115

BIT 124

**Recommended elective:**

Bus 9

**CHILD DEVELOPMENT**

The curriculum focuses on children, from infancy through school age. Courses provide foundations and prepare students for careers in child care, sociology, social work, education, special education and psychology. Opportunities are available for work with children in a variety of settings including homes, schools, hospitals, and public and non-profit agencies concerned with the development and welfare of children. CPR, First-aid training, TB and fingerprint clearances are required for certificates in child development.

Requirements for the **Associate Teacher** Child Development Permit\*:

Completion of 16 core units as follows: Psych 21 or Psych 121, CHDV 10, CHDV 15 and CHDV 120 or CHDV 116, and CHDV 13A. Completion of these courses with a C or better must be verified by official transcripts.

Requirements for the **Teacher** Child Development Permit\*:  
Completion of the Certificate of Achievement require-

ments plus 16 additional general education units as follows: at least one course each in Humanities, Social Sciences, Math and/or Science, and English. Completion of these courses with a C or better must be verified by official transcripts. The Administration Specialization (CHDV 112A and CHDV 112B) does not meet the State of California Child Development Permit requirements for the "Teacher" permit.

Requirements for the **Master Teacher** Child Development Permit\*:

Completion of the Certificate of Achievement requirements plus 16 additional general education units as follows: at least one course each in Humanities, Social Sciences, Math and/or Science, and English; a minimum (6 unit) specialization option, and CHDV 119, Child Development Mentor Teacher Practices. Completion of these courses with a C or better must be verified by official transcripts. The Administration Specialization (CHDV 112A and CHDV 112B) does not meet the State of California Child Development Permit requirements for the "Master Teacher" permit.

Requirements for the **Site Supervisor** Child Development Permit\*

Completion of the Certificate of Achievement requirements including A.A., CHDV 112A, Administrative Issues, CHDV 112B, Advanced Administrative Issues and CHDV 119, Child Development Mentor Teacher Practices. Completion of these courses with a C or better must be verified by official transcripts.

\*Permits are issued by the California Commission on Teacher Credentialing.

**Program Outcomes:**

1. Students will demonstrate through original written and/or oral presentations their ability to identify the theories and practices of the social, emotional, creative, cognitive and physical development of young children.
2. Students will demonstrate an awareness of and evaluate important factors in planning in child-care facilities and the ethical issues involved in working with young children.
3. Students will demonstrate responsibility as self-directed learners and facilitators of the practical application of theoretical concepts through structured interaction in child care settings.
4. Students will demonstrate an understanding for the planning and guiding of learning activities.
5. Students will demonstrate competency upon completion of structured mentoring experiences in approved learning partnerships with private industry.



6. Students will compare and contrast the skills necessary in working with and supporting families, diversity and program practices.

### Requirements for the Certificate of Achievement (37 units):

*Recommended sequence:*

Semester I  
 CHDV 10  
 Engl 100\*  
     **or** ESL 33B\*  
     **or** Engl 1A\*  
 Psych 21  
     **or** Psych 121

Semester II  
 CHDV 13A  
 CHDV 120

Semester III  
 CHDV 13B  
 CHDV 15

Semester IV  
 CHDV 13C  
 CHDV 116

**\*Depending on initial placement, students may be required to take additional English and ESL courses. AND**

**6 units from the electives listed below:**

Art 6  
 CHDV 11, 24A-H, 117, 118, 128, 196  
 Dance 25  
 Educ 30, 132  
 Engl 59  
 Music 30, 130, 131, 135  
 PETH 27C  
 SET 100, 105

**OR select a specialization.**

#### Specialization Options:

**Infant/Toddler (6 units)**  
 CHDV 11, CHDV 128

**Multicultural Awareness (6 units)**  
 CHDV 117, Music 131

**Language/Literacy (6 units)**  
 CHDV 118, Engl 140

**School Age Children (6 units)**  
 Educ 131, Educ 132

**Children with Special Needs (8 units)**  
 SET 100, SET 105, SET 122

**Preschool Music Education (14 units)**  
 Music 30 or Music 130; Music 131; Music 134; Music 135; Dance 25 or PETH 27C

**\*Administration (6 units)**  
 CHDV 112A, CHDV 112B  
*\* This option does not qualify for the State of California Child Development Permit for "Teacher" and "Master Teacher," but does qualify for the Pasadena City College Certificate of Achievement.*

## CHILD DEVELOPMENT OCCUPATIONAL SKILLS CERTIFICATE OPTIONS

### Child Development Instructional Assistant

The Child Development Instructional Assistant curriculum provides students with the necessary skills to seek employment as assistants in instructional programs for young children. Opportunities are available for work with children in a variety of settings including: homes, schools, and public or private agencies concerned with the development and welfare of young children. The program focuses on child psychology, curriculum planning, developmentally appropriate practices, safety, anti-bias environment, and provides practical experience. CPR, First-Aid training, TB and fingerprint clearances are required. Completion of this curriculum with a C or better grade allows the student to apply for the California Child Development permit at the Associate Teacher level.

### Requirements for the Occupational Skills Certificate (16 units):

Semester 1  
 Psych 21  
 CHDV 10  
 Engl 59

Semester 2  
 CHDV 15  
 CHDV 120

Semester 3  
 \*CHDV 13A

\*Enrollment in 7 units or more including field practice.

# PASADENA CITY COLLEGE

## ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS 2012 - 2013

(Please refer to IGETC or CSU general education advisement sheets for transfer information. This is NOT a petition for graduation form.)

Name	<b>Cuevas</b>	<b>Angela</b>	PCC Student ID No. _____
	LAST	FIRST	MIDDLE
Counselor _____			Date _____

### GENERAL INFORMATION

1. A minimum of 60 units, and completion of a Certificate of Achievement is required for the Associate of Science degree.
2. Only courses numbered 1-199 may be counted towards the general education requirements, as indicated in Areas A-G.
3. Courses numbered 1-399 may be counted towards the 60 units.
4. All competency and general education requirements must be completed.
5. A minimum grade-point average of 2.0 (C average) is required in courses numbered 1 to 399 completed at PCC, and in comparable courses completed at other regionally accredited institutions.
6. At least 15 units of the required 60 units, in courses numbered 1-399, must be completed at PCC. No more than six units may be transferred from another college if earned after the student's last enrollment at PCC.
7. Courses may not be counted more than once to meet the general education requirements (Areas A-G). A course may be used to satisfy both the requirements of major and general education, but the units shall count only once.
8. It is the student's responsibility to file a petition for graduation (refer to online academic calendar for deadline).

### COMPETENCY REQUIREMENTS

1. **Reading** — One course (with grade C or better) from the following: English 1A, 1C, 14, 100, 130, any English course which fulfills Area C (Humanities), or by satisfactory score on equivalency exam.
2. **Written Expression** — One course (with grade C or better) from the following: English 1A or by satisfactory score on equivalency exam.
3. **Mathematics** — One course (with grade C or better) from the following: Business 14A, 14B, Computer Science 45, Math 131, 133AB, 134AB, 139, 141, Statistics 15, 18, 50, or a math course which fulfills the general education requirement in Critical Thinking, or by satisfactory score on equivalency exam.
4. **Diversity** — Complete three (3) units in courses designated as either "Ethnic and Gender Studies" or "Global Studies" in the college catalog. The courses which satisfy the diversity requirement and are also general education are designated by the (\*) symbol below. Dance 21A

Need	In Progress	Completed
<b>THESE ARE COMPETENCY REQUIREMENTS. THE ACTUAL UNITS ARE LISTED BELOW IN AREAS C AND D</b>		

### GENERAL EDUCATION REQUIREMENTS (25 units minimum)

#### A. Natural Sciences (Lab is required, lecture and lab must be in the same discipline.) . . . . . 3 units

Anatomy 25  
 Anthropology 1\* and 1L  
 Astronomy 1  
 Biology 1A, 1B, 1C, 2, 3, 4, 11, 14, 16, 30, 37, 38, 39, 40  
 Chemistry 1A, 1B, 2A, 2B, 8A, 8B, 10 and 10L, 22  
 Envs 1, 3, 30, 40  
 Geography 1 and 1L  
 Geology 1, 1F, 2, 2F, 3, 3F, 4 and 40, 6, 8, 12 and 12F or 12L, 16 and 40, 22 and 40, 30A-L, 40  
 Microbiology 2  
 Physical Science 3 and 3L, 37  
 Physics 1A, 1B, 1C, 1D, 2A, 2B, 10 and 10L, 31A, 31B  
 Physiology 1, 2A, 2B, 100

Lecture - 3 units  
 Lab - 1 unit  
 Total - 4 units

4

#### B. Social Behavioral Sciences. . . . . 3 units

Anthropology 1\*, 1L, 2\*, 3, 4, 5, 12\*, 31\*  
 Communication 1  
 Economics 1A, 1B  
 English 12\*  
 Envs 2  
 Geography 2\*, 3\*, 5, 10  
 History 1A\*, 1B\*, 2A\*, 2B\*, 5A\*, 5B\*, 7A, 7B, 8\*, 9A\*, 9B\*, 12\*, 16\*, 18\*, 19\*, 24A\*, 24B\*, 24C\*, 24D\*, 24E\*, 24F, 24G\*, 25A, 25B\*, 25C, 25D, 25E, 25F, 25I, 27A\*, 27B\*, 29A\*, 29B\*, 30\*, 31\*, 38, 41\*, 50  
 Linguistics 12\*, 14, 16, 17  
 Political Science 1, 2, 6, 7, 21, 22  
 Psychology 1, 21, 22, 23, 24, 25, 29\*, 31\*, 33, 41\*, 120  
 Sociology 1, 2, 14\*, 15, 16, 22, 24, 25, 29\*, 31\*, 41\*, 130 (2 units)

3



<b>C. Humanities..... 3 units</b>		Need	In Progress	Completed
American Sign Language 10A, 10B, 10C, 10D Arabic 1, 2 Architecture 24A, 24B Armenian 1, 2 Art 1A, 1B, 2 <sup>†</sup> , 3A <sup>†</sup> , 3B <sup>†</sup> , 4A <sup>†</sup> , 4B <sup>†</sup> , 4C <sup>†</sup> , 4D, 5, 7 <sup>†</sup> , 8 <sup>†</sup> , 9 <sup>†</sup> , 10A, 10B, 10C Chinese 1, 2, 2A, 3, 4, 10 <sup>†</sup> , 12 <sup>†</sup> , 22 Dance <b>21A<sup>†</sup></b> , 21B <sup>†</sup> <b>Diversity Rqmmt</b> English 1B, 5A, 5B, 9, 10, 11, 12 <sup>†</sup> , 24, 25A, 25C <sup>†</sup> , 25D, 25E, 25F, 25G, 25H, 25I <sup>†</sup> , 25J, 26, 30A, 30B, 30C, 34, 35, 36, 37, 44A <sup>†</sup> , 44B <sup>†</sup> , 44C <sup>†</sup> , 45A, 45B, 46A <sup>†</sup> , 46B <sup>†</sup> , 47 <sup>†</sup> , 48 <sup>†</sup> , 49A, 49B, 50 <sup>†</sup> , 51 <sup>†</sup> , 52 <sup>†</sup> , 53, 54, 57, 59, 60, 61, 78A, 78B, 82A, 82B, 82C, 119 French 1, 2, 3, 4, 5A <sup>†</sup> , 5B <sup>†</sup> , 6, 10 <sup>†</sup> , 12, 16, 50 German 1, 2, 3, 4, 5 <sup>†</sup> , 10 <sup>†</sup> , 12 Greek 1, 2		3		
<b>D. Language and Rationality (choose minimum of 3 units from each area below) ..... 9 units</b>				
<b>1. English Composition ..... 3 units</b> Business 11A <b>English 1A<sup>†</sup></b> , 1B, 1C <b>+ English 900 NDA Corequisite</b>			(4)	
<b>2. Oral Communication ..... 3 units</b> Speech 1, 2, 10, 121		3		
<b>3. Critical Thinking ..... 3 units</b> **Business 14A, 14B Computer Information Systems 62 Computer Science 2, 4, 6, 8, 10, 12, 43, 45 English 1C **Mathematics 3, 5A, 5B, 5C, 7A, 7B, 8, 9, 10, 12, 15, 22, 38, 55, <b>131<sup>†</sup></b> , 133AB, 134AB, 139, 141 Philosophy 25, 30, 33 Physical Science 2 Speech 6, 12 **Statistics 15, 18, and 50		4		
**These courses also meet mathematics competency requirement				
<b>E. American Institutions ..... 3-6 units</b>				
<b>May be satisfied by one of the following options:</b>  <b>OPTION I</b> (one History and one Political Science course — 6 units) History 7A, 7B, 25A, 25B <sup>†</sup> , 25C, 25D, 29A <sup>†</sup> , 29B <sup>†</sup> , 31 <sup>†</sup> , 41 <sup>†</sup> ..... 3 units AND Political Science 1 or 7 ..... 3 units California State and Local Government Met <input type="checkbox"/>  <b>OPTION II</b> (one course - 3 units) American Institutions 125 ..... 3 units		3 3		
<b>F. Health Education..... 2 units</b>				
Biology 3, 19 Counseling 12 Dental Hygiene 109 <sup>†</sup> Health Education 2A, 2E, 44 Nursing 50 <sup>†</sup> , 51 <sup>†</sup> , 52 <sup>†</sup> , 53 <sup>†</sup> , 125 <sup>†</sup> , 126 <sup>†</sup> , 127, 137, 138 Nutrition 11 Physiology 1, 2A, 2B, 100		2		
<b>G. Physical Activity ..... 2 units</b>				
2 units required. A maximum of four units of Physical Education Activity or Dance (Dance 21A and 21B are excluded) may be counted toward the degree. Music 61 may be substituted for one unit of PE Activity each semester. Exemption is granted if the student has a physical limitation and submits a physician's recommendation which is approved by PCC Health Services.		2		
<b>G.E. TOTALS</b>		27	0	0 = 27
<b>MAJOR REQUIREMENTS:</b>		Need	In Progress	Completed
<b>Major ..... 18 units</b> Students must select a major from among the choices listed in the PCC catalog listed under Occupational Curricula/Certificates of Achievement. List can be found at: <a href="http://www.pasadena.edu/cte/programs.cfm">www.pasadena.edu/cte/programs.cfm</a> . Completing multiple Certificates of Achievement in the same field of study does not result in multiple Associate of Science degrees being awarded. Certificate of Achievement: <b>Child Development</b>		27	7	3 = 37
<b>COMMENTS:</b> _____		Need	In Progress	Completed
1-399 UNITS <b>TOTAL (MINIMUM 60)</b>		54	7.3	3 = 64