

**EL CAMINO COLLEGE**  
**MINUTES OF THE COLLEGE CURRICULUM COMMITTEE**  
**May 9, 2017**

**CALL TO ORDER**

Meeting called to order at 2:33 p.m. by Chair Carr.

**Members:**

*Present:* Monica Chaban, Rebecca Donegan, Dia Eldanaf, Essie French-Preston, Laurie Houske, Jon Minei, Jean Shankweiler, Adrienne Sharp, Claudia Striepe

*Absent:* Michael Anderson, Sandra Bartiromo, Kelsey Iino, Stephanie Rodriguez

**Ex-Officio Members:**

*Present:* Janet Young

*Absent:* Linda Clowers, Abiodun Osanyinpeju, Lori Suekawa, LaShanta Young

**Guests:** Amy Himsel, Mike Kline, David Mussaw, Angela Simon

**Recorder:** Cindy Escutia

**I. APPROVAL OF MINUTES**

Minutes for the March 14, March 20 and April 25 committee meetings are still being worked on and will be sent to the CCC once completed.

**II. CURRICULUM REVIEW**

**A. Full Course Review**

The committee reviewed the following courses, which are ready for final action:

1. English as a Second Language (ESL) 09A(ESL 09A)
2. English as a Second Language (ESL) 09B (ESL 09B)
3. English as a Second Language (ESL) 10 (ESL 10)
4. Nursing 145 (NURS 145)
5. Nursing 150B (NURS 150B)
6. Physical Education 277 (PE 277)
7. Psychology 19 (PSYC 19)
8. Psychology 25 (PSYC 25)

**B. Full Program Review**

The committee reviewed the following programs, which are ready for final action:

1. English: ESL for Childhood Educators Certificate of Competency
2. English: ESL for Healthcare Certificate of Competency
3. English: ESL for Healthcare II Certificate of Competency
4. English: ESL for Math Certificate of Competency
5. Political Science AA Degree
6. Political Science AA-T Degree

**C. Consent Agenda Proposals**

The committee reviewed the following courses, which are ready for final action:

1. Child Development 126 (CDEV 126)
2. Computer Information Systems 26 (CIS 26)
3. Italian 1 (ITAL 1)
4. Italian 2 (ITAL 2)
5. Italian 24 (ITAL 24)
6. Journalism 6 (JOUR 6)
7. Journalism 7AB (JOUR 7AB)

**CURRICULUM DISCUSSION**

**A. Full Course Review**

**Humanities Division**

Two new non-credit courses, ESL 09A - ESL for Anatomy and Physiology I and ESL - 09B ESL for Anatomy and Physiology II were discussed. M. Kline was in attendance to clarify concerns that had been raised in relation to who will teach the course and courses of this nature. M. Kline notes that these are ESL courses and will be taught by ESL faculty as they are aware and skilled in teaching English to ESL students. Faculty will be chosen from those who either have some experience in the topic or who are willing to learn about the topic or field. M. Kline confirmed that a grade in this class does not mean that a student has completed an Anatomy/Physiology class, but that they have been exposed to reading and writing terminology in this field. A. Carr reiterated that this course focused on understanding vocabulary and terminology to prepare students for credit courses. M. Kline pointed out that he met with M. Steinberg (faculty), A. Grant (Dean of Natural Sciences), and J. Shankweiler (VPAA) prior to developing the courses and garnered their support. He went on to explain that both San Diego Community College and Mount San Antonio College have large non-credit programs.

L. Suekawa sent a comment asking if the courses were sequential. A member asked if a non-ESL student could enroll in the class. The answer to both questions was yes.

A. Simon (guest) asked if there was a movement to bring back non-credit courses as she thought they had been eliminated in the past. A. Carr explained that there is a trend along with funding to develop non-credit courses to reach underserved populations.

A. Carr directed the Committee's attention to ESL 10 – ESL for Radiologic Technology. A minor edit was made to the subject matter.

Chair Carr asked for a motion to approve the ESL courses. L. Houske made the motion, C. Striepe seconded. Motion was carried.

### **Behavioral and Social Sciences Division**

Psychology courses were reviewed. Psychology members A. Simon and A. Himsel were in attendance. A. Carr noted that the title for Psychology 19 had been changed to Psychology of Sexual Orientation and Gender Diversity to better reflect course content. There were no questions for the committee. In relation to Psychology 25 The Psychology of Gender, L. Clowers recommended revisions to the critical thinking assignment which A. Himsel provided. The CCC accepted the revisions.

A. Carr called for a motion to approve the courses. E. French-Preston made the motion, L. Houske seconded. Motion was carried.

### **Health Sciences and Athletics Division**

Nursing 145 Introduction and Preparation for Nursing had been tabled at last meeting as no nursing faculty was in attendance. There had been a question about the outline of subject matter in relation to dosing. Faculty reviewed it and stated that it was correct as written.

Nursing 150B Beginning Nursing Process and Fundamental Skills II was presented for a two-year review. There were no concerns.

PE 277 Intro to Kinesiology was next and there were no concerns stated. A minor edit was made.

A. Carr called for a motion to approve the courses. L. Houske made the motion, A. Sharp seconded. Motion was carried.

## **B. Full Program Review**

### **Humanities Division**

A. Carr introduced the ESL for Childhood Educators Certificate of Competency. There were no questions by the committee. J. Young commented that M. Kline had consulted with the Childhood Education Department and received input for the courses and the certificate early in the process.

A. Carr showed the committee the rationale that M. Kline had written for the certificates of competency and said that it served as an excellent model for future rationales.

Next, the ESL for Healthcare Certificate, the ESL for Healthcare II, and the ESL for Math Certificates of Competency were presented with no questions from the committee.

A. Carr called for a motion to approve the certificates. J. Minei made the motion, E. French-Preston seconded. Motion was carried.

### **Behavioral and Social Sciences Division**

Two Political Science degrees (AA and AT-S) were presented in order to include the newly developed honor's versions of Political Science 1.

A. Carr reminded the committee to bring in degrees and/or certificates at the same time if they are effected by curriculum changes.

A. Carr mentioned that a good way to review degrees, certificates, or courses is to use the "course comparison" feature in CurricUNET, as it clearly shows what has changed.

A. Carr called for a motion to approve the program revision proposals. L. Houske made the motion, M. Chaban seconded. Motion was carried.

### **C. Consent Agenda Proposals**

Consent agenda proposals were presented. A. Carr mentioned that Articulation Officer, L. Suekawa recommended that Italian 1 – Elementary Italian 1 be forwarded for inclusion on the IGETC pattern. The Committee agreed.

Journalism 6 and 7AB Photo and Advanced Photo Journalism were presented. A. Carr mentioned that these courses were cross listed with Photography 6 and 7AB. She asked J. Minei to bring these courses forward for the next CCC meeting. J. Minei agreed to do so.

A. Carr asked for a motion to approve the courses listed on the Consent Agenda (CDEV 126, CIS 26, ITAL 1, ITAL 2, ITAL 24, JOUR 6, and JOUR 7AB. It was moved by L. Houske to approve the Consent Agenda, M. Chaban seconded. Motion was carried.

## **III. VICE PRESIDENT'S REPORT**

Vice President of Academic Affairs – Dr. Jean Shankweiler

- J. Shankweiler told the committee that there are changes being made by the Chancellor's Office to streamline the curriculum approval process and to give more local control to the Colleges for approving courses. She stated that she, A. Carr, L. Clowers, and J. Young had attended a workshop in Long Beach on the topic. She is expecting that we will learn more at the Curriculum Institute this summer. A. Carr stated that the fact that we are getting more local control is both a good and bad thing. She said that "with great power comes great responsibility." She said the CCC will need to be more diligent and become more familiar with Title 5 regulations and the Program Course and Approval Handbook. J. Shankweiler stated that she and Chair Elect Young will be required to "sign off" on curriculum and to make sure that all standards and regulations are met. We will no longer be able to rely on the Chancellor's office to catch errors.

- J. Shankweiler provided information about the changes to the Curriculum Inventory being conducted by the Chancellor's Office. Since the contract with Governet is ending on June 30th, there is an expectation that the data transfer will be complete by then.
- J. Shankweiler provided an update to the Curriculum Advisor hiring process stating that the applications are currently being reviewed with interviews scheduled for June 2nd. She hopes that the new advisor will be approved by the Board in June and will be able to attend Curriculum Institute in July.

#### **IV. CHAIR'S REPORT**

College Curriculum Committee (CCC) Chair – A. Carr

- A. Carr reminded the Committee, especially those who are new or are unsure about making comments, that they should go to the "Comments" section in CurricUNET to read the types of comments made by other CCC members to get a better understanding of the process.
- A. Carr had another tip for CCC members if they believed a course was "stuck" in the process or if they were unsure as to the level. She said to go to "All Proposals", click on the course, and then click on "status" where the history and current level will be shown.
- A. Carr introduced David Mussaw, an integral part of the curriculum team. She mentioned that David has been completing many of the important tasks previously completed by the former Curriculum Advisor. She thanked him for his service and hard work.
- A. Carr presented a glitch in the approval system relating to Music 269 and Business 73. Although they had been approved by the CCC and the Board, they were inadvertently left out of the catalog and will not be offered in the Fall. The Chair and D. Mussaw are looking into including it in the addendum so that it can be offered in Spring. A. Carr stated that the fact that we lost the Curriculum Advisor and the Admin at the same time led to some things falling through the cracks.
- A. Carr also reminded the committee that their Spring/Fall Curriculum Plans were due by the end of the semester. She said there was an error in the message sent out, and that the correct semesters are Spring 2017/Fall 2018.

## **V. ANNOUNCEMENTS**

- Chair Carr welcomed the new Academic Affairs Administrative Assistant, Cindy Escutia. A. Carr stated that, in addition to her work with Academic Affairs, Cindy will be taking on some of Portia's former duties in support of curriculum.
- A. Carr stated that the final round of courses for this semester will be reviewed at Meeting #7. If it is not needed, the June 6th clean-up meeting will be cancelled.
- J. Young briefly presented the changes to AP 4022, which addresses stand-alone courses. The only change is to #4 that reads "Students may count a "a limited amount of semester coursework approved under this procedure toward a certificate of associate degree" to "Students may count a maximum of 18 semester units of coursework approved under this procedure toward a certificate of associate degree." A. Carr said that this policy would be emailed to the committee prior to the next meeting.
- CCC Meeting #7: 5/23/17 – 2:30-4:30 p.m., DE/Library 166

## **VI. ADJOURNMENT**

Chair Carr called for a motion to adjourn the meeting. L. Houske moved to adjourn, R. Donegan seconded, and the motion carried. Meeting was adjourned at 3:17 p.m.

**EL CAMINO COLLEGE**  
**COLLEGE CURRICULUM COMMITTEE**

**May 9, 2017**

**Approved Curriculum Changes Proposed for 2018-2019**

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**BEHAVIORAL AND SOCIAL SCIENCES**

**New Course**

1. Psychology 19 Psychology of Sexual Orientation and Gender Diversity

Units: 3      Lecture: 3.0      Lab: 0      Faculty Load: 20.00%  
Recommended Preparation: Psychology 5 and Eligibility for English 1A

Grading Method: Letter  
Credit Status: Associate Degree Credit

This course is an introduction to psychological, social, and cultural aspects of sexual orientation and gender identity, with an emphasis on examining sexual orientation and gender identity from a psychological perspective. Topics will include historical perspectives on sexual orientation and gender identity and basic research methods used to study gender and sexuality; applied topics such as identity, relationships, mental and physical health, sexuality, prejudice and discrimination, and the role of LGBTQ allies in effecting change will also be included.

2. Psychology 25 The Psychology of Gender

Units: 3      Lecture: 3.0      Lab: 0      Faculty Load: 20.00%  
Recommended Preparation: Psychology 5 and Eligibility for English 1A

Grading Method: Letter  
Credit Status: Associate Degree Credit

This course is an overview of psychological perspectives and research on gender. Topics will include theoretical perspectives on gender, psychological research methods used to study gender, sex-related differences and comparisons, and the influence of gender in areas such as relationships, communication, health, and work.

**CTE Two-Year Course Review**

1. Child Development 126 Child Development Practicum II

### **Change in Major; Course Requirements**

#### 1. Political Science Associate in Arts Degree (AA)

*Current Status/Proposed Changes*

<b>Required Core: 3 units</b>		<b>Units</b>
POLI 1	Governments of the United States and Californian	3
or		
<u>POLI 1H</u>	<u>Honors Governments of the United States and Californian</u>	<u>3</u>
<b>12 units from:</b>		
POLI 2	Introduction to Comparative Politics	3
POLI 3	Introduction to Principle and Methods of Political Science	3
POLI 5	Ethnicity in the American Political Process	3
POLI 6	Civil Rights and Liberties in the United States	3
POLI 10	Introduction to International Relations	3
<b>3 units from:</b>		
ECON 1	Principles of Economics: Macroeconomics	3
ECON 2	Principles of Economics: Microeconomics	3
HIST 101	United States History to 1877	3
HIST 102	United States History from 1877 to the Present	3
HIST 141	History of Modern Civilizations	3
PHIL 103	Ethics and Society	3
PHIL 111	History of Ancient and Medieval Philosophy	3
Total Units		18

### **Change in Major; Course Requirements**

#### 2. Political Science Associate in Arts Transfer Degree (AA-T)

*Current Status/Proposed Changes*

<b>Required Core: 3 units</b>		<b>Units</b>
POLI 1	Governments of the United States and Californian	3
or		
<u>POLI 1H</u>	<u>Honors Governments of the United States and California</u>	<u>3</u>
<b>List A 9-10 units from:</b>		
POLI 2	Introduction to Comparative Politics	3
POLI 3	Introduction to Principle and Methods of Political Science	3
POLI 7	Political Theory	3
POLI 10	Introduction to International Relations	3
PSYCH 9A	Introduction to Elementary Statistical Methods for the Study of Behavior	4



or		
SOCI 109	Introduction to Elementary Statistical Methods for the Study of Behavior	4
MATH 150	Elementary Statistics with Probability	4
or		
MATH 150H	Elementary Statistics with Probability	4

**List B 6 units from:**

**Any course not listed in List A**

POLI 2	Introduction to Comparative Politics	3
POLI 3	Introduction to Principle and Methods of Political Science	3
POLI 5	Ethnicity in the American Political Process	3
POLI 6	Civil Rights and Liberties in the United States	3
POLI 7	Political Philosophy	3
or		
PHIL 117	Political Philosophy	3
POLI 10	Introduction to International Relations	3
ANTH 2	Introduction to Cultural Anthropology	3
ECON 1	Principles of Economics: Macroeconomics	3
ECON 2	Principles of Economics: Microeconomics	3
ESTU 1	Introduction to Ethnic Studies`	3
HIST 101	United States History to 1877	3
HIST 102	United States History from 1877 to the Present	3
PSYCH 5	General Psychology	3
or		
PSYCH 5H	General Psychology	3
SOCI 101	Introduction to Sociology	3
WSTU	Introduction to Women's Studies	3
	Total Units	18-19

**BUSINESS**

**CTE Two-Year Course Review**

1. Computer Information Systems 26 Using Microsoft Excel

## HEALTH SCIENCES AND ATHLETICS

### Course Review; Catalog Description, and Conditions of Enrollment

#### *Current Status/Proposed Changes*

1. Nursing 145 Introduction and Preparation for Nursing

#### *Current Status/Proposed Changes*

~~Recommended Preparation Mathematics 73 or Mathematics 80 or~~

Conditions of Enrollment: Prerequisite English 1A with a minimum grade of C

This introductory course examines the nurse's role in hospital and outpatient settings. ~~Through case studies,~~ The students will apply and evaluate the impact of the nursing process on ~~clients~~ patient's health conditions. Specific emphasis is placed on application of the nursing process, critical thinking, therapeutic communication, cultural variation, and ~~computational~~ beginning research skills. Students ~~undergo assessment of their individual learning needs and identify~~ are introduced to campus resources that will assist them in meeting ~~these~~ their learning needs.

#### *Recommendation*

Prerequisite English 1A with a minimum grade of C

This introductory course examines the nurse's role in hospital and outpatient settings. The students will apply and evaluate the impact of the nursing process on patient's health conditions. Specific emphasis is placed on application of the nursing process, critical thinking, therapeutic communication, cultural variation, and beginning research skills. Students are introduced to campus resources that will assist them in meeting their learning needs.

## **Course Review; Descriptive Title, Catalog Description**

### *Current Status/Proposed Changes*

1. Physical Education 277 Introduction to Kinesiology and Physical Education  
~~Introduction to Kinesiology and Physical Education~~

~~This course introduces the academic disciplines of kinesiology and physical education through an examination of their historical~~ course is an introduction to the interdisciplinary approach to the study of human movement. It provides an overview of the importance of the sub-disciplines of kinesiology including the historical, professional, and philosophical foundations. Specialties such as exercise science, biomechanics, athletic training, fitness physical therapy, fitness, teaching, coaching, sport psychology, and adapted physical education are surveyed for their scope and career options.

### *Recommended*

- Physical Education 277 Introduction to Kinesiology

In this course, students will focus on the skills and knowledge needed to assess and care for a patient in the hospital setting. Emphasis will be placed on the nursing process, therapeutic communication, and providing basic care to the individual. Fundamental nursing skills such as medication administration will be carried out in the clinical setting. Particular emphasis will be placed on caring for the geriatric population. The nurse's ethical and legal responsibilities of patient care within the hospital setting will also be addressed.

## **CTE Two-Year Course Review**

1. Nursing 150B Beginning Nursing Process and Fundamental Skills

## **HUMANITIES**

### **New Course**

1. English as a Second Language 09A - ESL for Anatomy and Physiology I

Units: 0      Lecture: 3.0      Lab: 0      Faculty Load: 20.00%  
Recommended Preparation: English as a Second Language 08  
Grading Method: No Grade  
Credit Status: Non Credit

This first course in a two-course sequence prepares high-intermediate to advanced ESL students for credit anatomy and physiology courses. Several body systems and their functions as well as the basics of chemistry and cell biology are covered with reading, writing, speaking, and listening activities. Emphasis is on pronunciation, spelling, and study skills useful for success in healthcare programs. This course provides ESL support for students who plan to take or who concurrently take Anatomy 30, Anatomy 32, Anatomy and Physiology 34A, and Anatomy and Physiology 34B.

2. English as a Second Language 09B - ESL for Anatomy and Physiology II

Units: 0            Lecture: 3.0    Lab: 0            Faculty Load: 20.00%  
Recommended Preparation: English as a Second Language 09A  
Grading Method: No Grade  
Credit Status: Non Credit

This second course in a two-course sequence prepares high-intermediate to advanced ESL students for credit anatomy and physiology courses. Blood, body defenses, and the digestive, cardiovascular, respiratory, urinary, and reproductive body systems and their functions are covered with reading, writing, speaking, and listening activities. Emphasis on pronunciation and spelling for success in healthcare programs. This course provides ESL support for students who plan to take or who concurrently take Anatomy 30, Anatomy 32, Anatomy and Physiology 34A, and Anatomy and Physiology 34B.

3. English as a Second Language 10 - ESL for Radiologic Technology

Units: 0            Lecture: 3.0    Lab: 0            Faculty Load: 20.00%  
Recommended Preparation: English as a Second Language 51A  
Grading Method: No Grade  
Credit Status: Non Credit

This course is designed to help intermediate to advanced ESL learners acquire the listening and speaking skills necessary for communicating in the radiography field. Emphasis is on communicating with fellow radiographers and radiologists, other healthcare workers, and clients and their families. This course provides ESL support for students who plan to take or who concurrently take Radiologic Technology A.

## COURSE REVIEW, CATALOG DESCRIPTION

### *Current Status/Proposed Changes*

#### 1. Italian 1 Elementary Italian I

~~This course introduces students to speaking, listening, reading and writing linguistically appropriate Italian. Students are also introduced to the cultural background of the language, including the relationships among cultural practices and perspectives and general aspects of everyday life. Technological support~~ Italian 1 is designed primarily for non-native speakers of Italian (native speakers of Italian are required to enroll in a higher level of Italian). This course focuses on communicative elements of the Italian language at a beginning level. Emphasis is placed on listening, speaking, reading, and writing in Italian. Technological aids may include videos, DVDs, ~~audio CDs~~, and Internet access to publishers' websites for tutoring and other support.

### *Recommended*

Italian 1 is designed primarily for non-native speakers of Italian (native speakers of Italian are required to enroll in a higher level of Italian). This course focuses on communicative elements of the Italian language at a beginning level. Emphasis is placed on listening, speaking, reading, and writing in Italian. Technological aids may include videos, DVDs, and Internet access to publishers' websites for tutoring and other support.

#### 2. Italian 2 Elementary Italian II

### *Current Status/Proposed Changes*

This course, taught within the context of Italian culture, is a continuation of the study of elementary Italian with an emphasis on listening, speaking, reading, and writing. Students improve their pronunciation and speaking skills along with their understanding of spoken Italian. ~~Computer programs and audio and video tapes are available.~~ Technological support to reinforce the language skills acquired in the classroom may be offered in the form of videos, audio tapes, and internet resources.

### *Recommended*

This course, taught within the context of Italian culture, is a continuation of the study of elementary Italian with an emphasis on listening, speaking, reading, and writing. Students improve their pronunciation and speaking skills along with their understanding of spoken Italian. Technological support to reinforce the language skills acquired in the classroom may be offered in the form of videos, audio tapes, and internet resources

## CTE COURSE TWO-YEAR REVIEW, CATALOG DESCRIPTION

### *Current Status/Proposed Changes*

#### 1. Journalism 6 Basic Photojournalism

This course provides instruction in the elementary aspects of photography with emphasis on principles and techniques of photojournalism, including the history of photojournalism, the evolution of photo gear, camera use, news photography, feature photography, sports photography, photo essays, wedding photojournalism, social media, and caption writing. Emphasis is placed on preparing students to take photographs for print and online campus student publications (The Union newspaper, in print and online, and the annual Warrior Life magazine), using digital cameras and computer software such as Photoshop. At least one guest speaker will be invited to give a presentation during a lecture period.

#### *Recommendation*

This course provides instruction in the elementary aspects of photography with emphasis on principles and techniques of photojournalism, including the history of photojournalism, the evolution of photo gear, camera use, news photography, feature photography, sports photography, photo essays, wedding photojournalism, social media, and caption writing. Emphasis is placed on preparing students to take photographs for print and online campus student publications (The Union newspaper, in print and online, and the annual Warrior Life magazine), using digital cameras and computer software such as Photoshop. At least one guest speaker will be invited to give a presentation during a lecture period.

#### 2. Journalism 7AB Advanced Photojournalism

This course provides instruction and laboratory experience in the taking and processing of photographs for publication in the college newspaper, newspaper website and news magazine. Students also receive experience in news, feature and sports photo editing, photo essay page design and layout, as well as digital photography and photo scanning techniques using Photoshop. Students must also utilize social media, posting and sharing on Facebook, Twitter, etc.

*Recommendation*

This course provides instruction and laboratory experience in the taking and processing of photographs for publication in the college newspaper, newspaper website and news magazine. Students also receive experience in news, feature and sports photo editing, photo essay page design and layout, as well as digital photography and photo scanning techniques using Photoshop. Students must also utilize social media, posting and sharing on Facebook, Twitter, etc.

**COURSE REVIEW**

Italian 24 Introduction to Italian Culture

**NEW PROGRAMS**

1. ESL for Childhood Educators Certificate of Competency

The ESL for Childhood Educators program prepares intermediate ESL students for careers in child care. The curriculum also serves as a pathway to the credit Childhood Education program. Students gain knowledge in essential vocabulary for understanding the basics of child growth and development, communicating with parents or future employers, health and safety, and duties of child care providers. A Certificate of Completion will be granted upon completion of all program requirements.

Certificate Requirements:	Units
ESL 05A for Childhood Educators I	0
ESL 05B for Childhood Educators II	0
Total Hours: 180	

2. ESL for Healthcare Certificate of Competency

The ESL for Healthcare Certificate of Competency prepares intermediate ESL students for careers in healthcare. The curriculum also serves as a pathway to noncredit and credit Career and Technical Education (CTE) programs. Students gain knowledge on essential vocabulary used in communicating in the healthcare field, understanding verbal and written directions, medical emergencies, medication, cardiopulmonary resuscitation (CPR), first aid, safety, and basic patient needs. A Certificate of Competency will be granted upon completion of all program requirements.

Certificate Requirements	Units
ESL 04A            ESL for Healthcare I	0
ESL 04B            ESL for Healthcare II	0

Total Hours: 180

### 3. ESL for Healthcare II Certificate of Competency

The ESL for Healthcare II Certificate of Competency provides intermediate to advanced ESL students with the specific English needed to succeed in several courses that are prerequisites for entrance into El Camino College's healthcare programs such as Anatomy 30, Anatomy 32, Anatomy and Physiology 34A and 34B, and Radiologic Technology A. It also provides students English support for entry-level courses in the healthcare programs and helps students learn how to communicate and interact appropriately with future employers, colleagues, and patients within a variety of healthcare contexts.

A Certificate of Competency will be granted upon completion of all program requirements.

Required Core: 216 hours

Certificate Requirements	Units
ESL 08 ESL for Medical Terminology	0
ESL 09A ESL for Anatomy and Physiology I	0
ESL 09B ESL for Anatomy and Physiology II	0

Plus a minimum of one course (54 hours) from the following:

ESL 06 ESL Support for Career and Technical Programs	0
ESL 10 ESL for Radiologic Technology	0

Total Hours: 270

### 4. ESL for Math Certificate of Competency

The ESL for Math Certificate of Competency prepares ESL students for success in arithmetic, algebra, geometry, and statistics courses at El Camino College. Students learn vocabulary and grammatical structures utilized in mathematical courses and mathematical problems including word problems. Students also learn the communicative skills they need to communicate effectively in math courses. A Certificate of Competency will be granted upon completion of all program requirements.



Certificate Requirements	Units
ESL 07A ESL for Math I	0
ESL 07B ESL for Math II	0
ESL 07C ESL for Math III	0
Total Hours: 162 Total	