Russian
Announcement of Courses

Students of beginning Russian are directed to consider RUS 1, 1A, and 10A.

CREDIT DEGREE APPLICABLE COURSES:

RUS 1. Elementary Russian (5)
Lec-5, lab-2 CR/NC avail.
Advis: ENGL 94 or higher or ESL 82 or higher or any City College or university foreign language course
Not open to students who are enrolled in or who have completed RUS 21
Beginner's course. Grammar, composition and reading. Practice in speaking and understanding Russian. CSU/UC

RUS 1A-1B. Elementary Russian (3-3)
Lec-3, lab-2 CR/NC avail.
Advis: RUS 1A-ENGL 94 or higher or ESL 82 or higher or any City College or university foreign language course
Prereq.: For RUS 1B: RUS 1A
Not open to students who are enrolled in or who have completed RUS 21A-21B
Grammar, composition and reading. Practice in speaking and understanding Russian. CSU/UC
RUS 1A-1B = RUS 1

RUS 2. Continuation of Elementary Russian (5)
Lec-5, lab-2 CR/NC avail.
Prereq.: RUS 1 or 1B
Not open to students who are enrolled in or who have completed RUS 22
Second semester course. Continuation of elementary grammar; composition and reading; continued practice in conversation. CSU/UC

RUS 2A-2B. Continuation of Elementary Russian (3-3)
Lec-3, lab-2 CR/NC avail.
Prereq.: For RUS 2A: RUS 1 or 1B
Prereq.: For RUS 2B: RUS 2A
Not open to students who are enrolled in or who have completed RUS 22A-22B
Continuation of elementary grammar, composition and reading; continued practice in conversation. CSU/UC
RUS 2A-2B = RUS 2

RUS 3. Intermediate Russian (5)
Lec-5, lab-2 CR/NC avail.
Prereq.: RUS 2 or 2B or 22 or 22B
Third semester course. Continuation and review of grammar; composition and reading; continued practice in conversation. CSU/UC

RUS 3A-3B. Intermediate Russian (3-3)
Lec-3, lab-2 CR/NC avail.
Prereq.: For RUS 3A: RUS 2, 2B, 22, or 22B
Prereq.: For RUS 3B: RUS 3A
Review of grammar and composition; reading of cultural materials; continuing practice in the use and comprehension of spoken Russian. CSU/UC
RUS 3A-3B = RUS 3

Fourth Semester Russian
Available through the cross-registration policy of the San Francisco Consortium. See the department head of the Foreign Language Department.

The 12 unit sequence of Russian 10A-10B-10C-10D permits three repeats for a total of 21 units. It is the student's prerogative to choose which courses will be repeated.

RUS 10A. Beginning Practical Spoken Russian (3)
Lec-3, lab-2 CR/NC avail.
Not open to native speakers of Russian
Beginner's course. Extensive oral training in Russian. Emphasis on practical vocabulary and idiom rather than on formal grammar. CSU

RUS 10B. Continuation of Beginning Practical Spoken Russian (3)
Lec-3, lab-2 CR/NC avail.
Prereq.: RUS 10A
Open to native speakers of Russian only with the consent of the instructor
Second semester course. Extensive oral training in Russian. Emphasis on practical vocabulary and idiom. CSU

RUS 10C. Intermediate Conversational Russian (3)
Lec-3, lab-2 CR/NC avail.
Prereq.: RUS 10B
Open to native speakers of Russian only with the consent of the instructor
Third semester course. Continuation of extensive oral training in Russian. Designed for students who wish to continue acquiring advanced skills of spoken Russian with a minimum of formal grammar. CSU

RUS 10D. Continuation of Intermediate Conversational Russian (3)
Lec-3, lab-2 CR/NC avail.
Prereq.: RUS 10C
Open to native speakers only with the consent of the instructor
Fourth semester course. Continuation of extensive oral training in Russian. Designed for students who wish to continue acquiring advanced skills of spoken Russian with a minimum of formal grammar. CSU

RUS 15A-15B. Advanced Russian Conversation (3-3)
Lec-3, lab-2 CR/NC avail.
Prereq.: RUS 10C or 10D
RUS 15A not prerequisite to RUS 15B
Advanced conversation on Russian culture and civilization. CSU/UC

RUS 20. Independent Studies in Russian (1-3)
Ind st-5,10,15
Prereq.: RUS 2 or 10C or 10D
Repeat: max. 3 units
An individualized study program for improving and increasing reading and writing skills in the Russian language. CSU/UC
**RUSS 21. Elementary Russian for Bilingual Students (5)**

Lec-5  
CR/NC avail.  
Prereq.: Oral fluency in Russian  
Not open to students who are enrolled in or who have completed RUSS 1

Designed for students who are effective in oral communication in Russian within their communities, but who have little and/or no formal training in the written forms of the language.  
Beginner's course for bilingual students; elementary grammar, compositions and reading; special emphasis on the written aspect of the language. CSU/UC

**RUSS 21A-21B. Elementary Russian for Bilingual Students (3-3)**

Lec-3  
CR/NC avail.  
Prereq.: For RUSS 21A: oral fluency in Russian  
Prereq.: For RUSS 21B: oral fluency in Russian or RUSS 21A  
Not open to students who are enrolled in or who have completed RUSS 1A-1B.

Beginner's courses for bilingual students; elementary grammar, composition, and reading; special emphasis on the written aspect of the language. CSU/UC

RUSS 21A-21B = RUSS 21

**RUSS 22. Continuation of Elementary Russian for Bilingual Students (5)**

Lec-5  
CR/NC avail.  
Prereq.: Oral fluency in Russian or RUSS 21 or 21B  
Not open to students who are enrolled in or who have completed RUSS 2.

Designed for bilingual students who are effective in oral communication in Russian within their communities, but who have little and/or no formal training in the written forms of the language.  
Second semester course for bilingual students; continuation of elementary grammar, composition and reading; special emphasis on the written aspect of the language. CSU/UC

**RUSS 22A-22B. Continuation of Elementary Russian for Bilingual Students (3-3)**

Lec-3  
CR/NC avail.  
Prereq.: For RUSS 22A: oral fluency in Russian or RUSS 21 or 21B  
Prereq.: RUSS 22B: Oral fluency in Russian or RUSS 22A  
Designed for bilingual students who are effective in oral communication in Russian within their communities, but who have little and/or no formal training in the written forms of the language.

Not open to students who are enrolled in or who have completed RUSS 2 or 2A-2B

Second level courses for bilingual students; continuation of elementary grammar, composition, and reading; special emphasis on the written aspect of the language. CSU/UC

RUSS 22A-22B = RUSS 22

**RUSS 39A-39B. Russian Literature in Translation (3-3)**

Lec-5  
CR/NC avail.  
Advis: Eligible for ENGL 1A  
RUSS 39A not prerequisite to RUSS 39B  
No knowledge of Russian required  
Reading and discussion of Russian literature in English translation. CSU/UC

RUSS 39A. Russian literature and selected authors of the twelfth to nineteenth centuries, with main emphasis on the nineteenth century.

RUSS 39B. Russian literature and selected authors of the twentieth century.

**RUSS 41. Russian Culture and Civilization (3)**

Lec-3  
CR/NC avail.  
Advis: Eligible for ENGL 1A  
No knowledge of Russian required.

A consideration of the major achievements of Russian culture as reflected in language, history, literature, the arts, philosophy, religion and daily life. CSU/UC

---

**Sociology**

**Announcement of Courses**

---

**Introduction to Human Services Certificate**

**CREDIT CERTIFICATE CURRICULUM**

The curriculum for the Introduction to Human Services Certificate is designed to enhance the social case work, counseling, career planning, and employment placement skills of human services workers who are responsible for providing welfare to work assistance to welfare recipients. The program offers human services workers an opportunity to obtain theoretical and practical knowledge which will assist them in their work. The Learning Assistance courses are focused in the areas of career selection and success. The psychology and sociology courses provide a theoretical framework for social work and also provide practical information about counseling clients with diverse backgrounds, abilities and levels of motivation.

**Requirements for the Certification of Completion.**

The certificate requires completion of 17 units. Each course must be completed with a final grade of C or higher or Credit. No more than 6 units may be transfer units from another academic institution.

**Credit Toward Graduation.** Credit earned to obtain the Certificate of Completion satisfies the Area D, Area H and Area A requirements for an A.A. degree at CCSF and course work is transferable to the California State University system. SOC 1 and PSYC 1 apply to the Area 4 IGETC requirement. PSYC 1, SOC 1 and SOC 2 all transfer to the UC system, and PSYC 1 and SOC 1 are required for junior year enrollment in the B.A. social work program at San Francisco State University.
Announcement of Courses

CREDIT, DEGREE APPLICABLE COURSES:

SOC 1. Introduction to Sociology (3)
Lec-3 CR/NC avail.
Designed for general education or those students majoring in one of the behavioral sciences. Introduction to human interaction from the sociological perspective and through the utilization of sociological concepts, theories and principles. Topics include culture, socialization, organizations, deviance, stratification, institutions, population, and social change. CSU/UC/CAN

SOC 1AC. Introduction to Sociology: Focus on American Cultures (3)
Lec-3 CR/NC avail.
Introduction to human interaction, the sociological perspective, social processes, social structure, and social analysis through the study of three cultures from five of the following groups: African American, Asian/Pacific Islander, Chicano/Latino, Native American, and European American. CSU/UC

SOC 2. Social Deviance and Social Issues (3)
Lec-3 CR/NC avail.
Description and analysis of deviance in the United States. Crime, drug abuse, prostitution, child abuse, rape, mental disorder and other forms of deviance are discussed in terms of socio-psychological processes and effects, changing society and the politics of deviance. CSU/UC/CAN

SOC 25. Sex and Gender in American Society (3)
Lec-3 CR/NC avail.
How social institutions such as education, family, work, law, etc. affect women and men differently; how gender roles influence self-concept as well as educational opportunities. Examines the contemporary status of all American women, including African American, Latina, and Asian American, in terms of differences and similarities. The strategies, policies, and laws necessary to eliminate sexism from society and to create alternatives for women and men. CSU/UC

SOC 28. Dying and Death in Society (3)
Lec-3 CR/NC avail.
Helpful for those in medical care, social services, counseling or for personal enrichment. Study of the various death systems common in America with special focus on San Francisco. Beliefs, attitudes, anxieties, and behaviors associated with dying, death and bereavement in terms of sociological theory. Guest speakers, film, history and literature are integrated in an interdisciplinary approach to cultural studies. CSU

SOC 30. Social Psychology (3)
Lec-3 CR/NC avail.
The dynamics of human behavior from the perspective of social psychology. Emphasizing the social-psychological orientations of contemporary sociology. Investigation of interaction processes in the person-environment relationship. Topics such as communication, socialization, role taking, self-identity, personal organization, and social structure. CSU/UC

SOC 35. Sex, Marriage, and Family Relationships (3)
Lec-3 CR/NC avail.
A cross-cultural and cross-social study of family relationships, their development and diversity. Focus on family structure and on the functions of family relations, both contemporary and historical, in such areas as sex, reproduction, child-rearing, economics and social support; family problems and marital dissolution. CSU/UC

Lec-1,2,3, field trips CR/NC avail.
Repeat: if no subject repeat
Exploration of topics of current interest and innovations in sociology. CSU/UC

Spanish

Announcement of Courses

Students of beginning Spanish are directed to consider Spanish courses numbered 1, 1A, and 10A.

CREDIT, DEGREE APPLICABLE COURSES:

SPAN 1. Elementary Spanish (5)
Lec-5, lab-2 CR/NC avail.
Advisory: ENGL 94 or higher or ESL 82 or higher or any City College or university foreign language course
Beginner's course. Grammar, composition and reading. Practice in speaking and understanding Spanish. CSU/UC/CAN

SPAN 1A-1B Elementary Spanish (3-3)
Lec-3, lab-2 CR/NC avail.
Prereq.: For SPAN 1B: SPAN 1A
Advisory: ENGL 94 or higher or ESL 82 or higher or any City College or university foreign language course Grammar, composition and reading. Practice in speaking and understanding Spanish. CSU/UC/CAN
SPAN 1A-1B = SPAN 1

SPAN 2. Continuation of Elementary Spanish (5)
Lec-5, lab-2 CR/NC avail.
Prereq.: SPAN 1 OR 1B
Second semester course: Completion of elementary grammar, composition and reading. Continued practice in conversation. CSU/UC/CAN

SPAN 2A-2B. Continuation of Elementary Spanish (3-3)
Lec-3, lab-2 CR/NC avail.
Prereq.: For SPAN 2A: SPAN 1 or 1B; For SPAN 2B: SPAN 2A
Completion of elementary grammar. Composition and reading. Continued practice in conversation. CSU/UC/CAN
SPAN 2A-2B = SPAN 2
SPAN 3. Intermediate Spanish (5)
Lec-5, lab-2 CR/NC avail.
Prereq.: SPAN 2 or 2B
Intensive review of grammar. Culture and composition.
Designed for students who need reinforcement and expansion of
the structures of the Spanish language. Conducted in
Spanish. CSU/UC/CAN

SPAN 3A-3B. Intermediate Spanish (3-3)
Lec-3, lab-2 CR/NC avail.
Prereq.: SPAN 2 or 2B
SPAN 3A not prerequisite to SPAN 3B
Intensive review of grammar. Culture and composition.
Designed for students who need reinforcement and expansion of
the structures of the Spanish language. Conducted in
Spanish. CSU/UC/CAN
SPAN 3A-3B = SPAN 3

SPAN 4. Introduction to Literature in Spanish (3)
Lec-3, lab-1 CR/NC avail.
Prereq.: SPAN 2 or 2B
SPAN 3 not prerequisite to SPAN 4.
Readings of literary and cultural selections; composition;
review of selected grammar. Conducted in Spanish. CSU/UC /

SPAN 5-SS. Advanced Spanish: Conversation on
Hispanic Culture and Civilization (3-3)
Lec-3, lab-1 CR/NC avail.
Prereq.: SPAN 2 or 2B
SPAN 5 not prerequisite to SPAN 5S.
Readings in and discussions of Hispanic Civilization: Spain and
Latin America. Exclusively oral training to acquire greater
command of the spoken language through building vocabu-
larly, improving pronunciation and expressing ideas in a more
natural manner. Conducted in Spanish. CSU/UC
SPAN 5. Paleolithic Period to the Golden Age
SPAN 5S. Golden Age to Present

The 12 unit sequence of Spanish 10A-10B-10C-10D permits
three repeats for a total of 21 units. It is the student's prereq-
itative to choose which courses will be repeated.

SPAN 10A. Beginning Conversational Spanish (3)
Lec-3, lab-2 CR/NC avail.
Advis. Concurrent enrollment in SPAN 1, 1A or 1B
Not open to native speakers of Spanish.
Beginner's course. Intensive oral practice of basic structures
and vocabulary most often used in conversation. Designed for
students who wish to acquire basic skills of spoken Spanish. CSU

SPAN 10B. Continuation of Beginning Conversational
Spanish (3)
Lec-3, lab-2 CR/NC avail.
Prereq.: SPAN 10A
Advis. SPAN 2, 2A, or 2B
Not open to native speakers of Spanish.
Second semester course: Extensive oral practice of basic struc-
tures and vocabulary most often used in conversation.
Designed for students who wish to acquire basic skills of
spoken Spanish. CSU

SPAN 10C. Intermediate Conversational Spanish (3)
Lec-3, lab-2 CR/NC avail.
Prereq.: SPAN 10B
Advis. SPAN 3 or 4
Not open to native speakers of Spanish
Third semester course: Extensive oral practice of basic struc-
tures and vocabulary most often used in conversations.
Designed for students who want to acquire more advanced
skills of spoken Spanish. CSU

SPAN 10D. Continuation of Intermediate
Conversational Spanish (3)
Lec-3, lab-2 CR/NC avail.
Prereq.: SPAN 10C
Advis. Completion/concurrent enrollment in SPAN 3, 3A, 3B,
4, or 5
Not open to native speakers of Spanish
Fourth semester course. Extensive oral practice of basic struc-
tures and vocabulary most often used in conversation.
Designed for students who wish to acquire basic skills of
spoken Spanish. CSU

SPAN 31-32. Intermediate Spanish for Bilingual
Students (5-5)
Lec-5 CR/NC avail.
SPAN 31 not prerequisite to SPAN 32
Advis. Oral fluency in Spanish
Intensive review of grammar. Composition and translation.
Designed for bilingual students who are effective in oral com-
munication in Spanish within their communities, but have little
knowledge or formal training in written forms of the Spanish
language. Emphasis on increasing vocabulary, reading, and
writing skills through short stories, essays, and guided composi-
tions. CSU/UC

SPAN 31A-31B. Intermediate Spanish for Bilingual
Students (3-3)
Lec-3 CR/NC avail.
Advis. Oral fluency in Spanish
Intensive review of grammar. Composition and translation.
Designed for bilingual students who are effective in oral com-
munication in Spanish within their communities, but have little
knowledge or formal training in written forms of the Spanish
language. Emphasis on increasing vocabulary, reading and
writing skills through short stories, essays and guided composi-
tions. CSU/UC
SPAN 31A-31B = SPAN 31

SPAN 39A-39B. Contemporary Spanish American
Literature in Translation (3-3)
Lec-3 CR/NC avail.
Advis. Eligible for ENGL. 1A
SPAN 39A not prerequisite to 39B
No knowledge of Spanish required Reading and discussion of
representative works in English translation. CSU/UC
SPAN 39A. Contemporary Spanish American literature
from the late 19th century to 1940.
SPAN 39B. Contemporary Spanish American literature
from 1940 to the present.
SPAN 39C-39D. Spanish Literature in Translation (3-3)
Lec-3 CR/NC avail.
Advised: Eligible for ENGL 1A
SPAN 39C not prerequisite to 39D
No knowledge of Spanish required
Reading and discussion of representative works of peninsular Spanish literature in English translation. CSU/UC
**SPAN 39C.** Spanish literature from its beginnings through the Renaissance and Golden Age.
**SPAN 39D.** Spanish literature of the 19th and 20th centuries.

SPAN 41. Culture and Civilization of Spain (3)
Lec-3 CR/NC avail.
Advised: Eligible for ENGL 1A
No knowledge of Spanish required
Aspects and achievements of the culture and civilization of Spain as reflected in its geography, history, language, literature, governmental and social institutions, art, architecture, music, religion, and daily life. CSU/UC

---

**Speech Communication**
**Announcement of Curricula**

---

**Certificate in Speech Communication**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 12 Fund of Oral Comm</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 4 Group Comm</td>
<td>3</td>
</tr>
<tr>
<td>or SPCH 20 Interper Comm</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 1A Elem of Public Spkng</td>
<td>3</td>
</tr>
<tr>
<td>or SPCH 11 Basic Public Spkng</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 3 Argument and Debate</td>
<td>3</td>
</tr>
<tr>
<td>or SPCH 37 Intracolleget Spch Comp</td>
<td>3</td>
</tr>
<tr>
<td>or SPCH 38 Intercollegen Spch Comp</td>
<td>3</td>
</tr>
</tbody>
</table>

---

**Announcement of Courses**

**CREDIT, DEGREE APPLICABLE COURSES:**

**SPCH 1A. Elements of Public Speaking (3)**
Lec-3 CR/NC avail.
Advised: ENGL 96 or placement in ENGL 1A
Training in research, organization, and delivery of extemporaneous speeches. Focus on audience analysis, detailed speech outlining, evidence testing, delivery, and visual aids. CSU/UC/CAN

**SPCH 3. Argumentation and Debate (3)**
Lec-3 CR/NC avail.
Advised: SPCH 1A, 11 or 12
Primary emphasis in argumentation as the study of analysis, evidence, reasoning, refutation and rebuttal, etc. in oral and written communication. Significant component of instruction in oral argumentation. ‘Critical Thinking’ approaches to commercial, legal, political, and academic argumentation and persuasion. CSU/UC

**SPCH 4. Group Communication (3)**
Lec-3 CR/NC avail.
Advised: ENGL 96 or placement in ENGL 1A
Training in the basic methods and principles of problem solving, leadership, decision making and critical thinking through group communication; methods of inquiry and advocacy for participation in group discussions and presentations. CSU/UC

**SPCH 11. Basic Public Speaking (3)**
Lec-3 CR/NC avail.
Discussion of and practice in effectively organizing and presenting ideas in public speaking situations; training and practice in critical analysis and overcoming speaking anxiety. CSU

**SPCH 12. Fundamentals of Oral Communication (3)**
Lec-3 CR/NC avail.
An introduction to the theory, basic principles, and methods of oral communication with emphasis on improving speaking and listening skills in the context of interpersonal communication, small group discussion and public speaking. CSU

**SPCH 20. Interpersonal Communication (3)**
Lec-3 CR/NC avail.
Focus on the impact communication has on the interaction between individuals in settings including family, friendship, intimate and work situations. Students are expected to demonstrate and apply these skills through individual and group activities. CSU/UC

**SPCH 37. Intracolleget Speech Competition (3)**
Lec-3, lab-3 CR/NC avail.
Advised: SPCH 1A, 1, 4, 11 or 12
Repeat: max. 6 units
Student competition in intracolleget forensics tournaments in the following areas: persuasive, informative or impromptu speaking and oral interpretation of literature (prose, poetry, drama, interpretive’s theatre). Development of public speaking skills while being a member of a team. CSU

**SPCH 38. Intercollegen Speech Competition (3)**
Lec-3, lab-3 CR/NC avail.
Advised: SPCH 1A, 1, 4, 11 or 12
Repeat: max. 6 units
Student competition in intercollegen forensics tournaments in one or more of the following areas: parliamentary debate, cross-examination debate; oral interpretation; informative, persuasive, speech to entertain; communication analysis, impromptu, and extemporaneous speaking; interpretive theater. Development of public speaking skills while being a member of a team. CSU
Student Leadership
Announcement of Courses

CREDIT, DEGREE APPLICABLE COURSES:

S L 10. Student Government (1)
Work-2 CR/NC only
Repeat: max. 4 units
Training in the governance of student activities and representa-
tion/advocacy of student concerns. Learning to participate
in and chair meetings, allocate funds, and implement agreed
upon projects. Students will attend and participate in Associ-
ated Student Council meetings, Inter-Club Council meetings,
and/or shared governance meetings to receive credit for this
course. CSU

S L 12. Leadership Skills (3)
Lec-3 CR/NC avail.
Examination of the principles of leadership and their applica-
tion to Associated Students Council, clubs, and activities.
Specific leadership skills include: chairing meetings, organizing
events and campaigns, communicating effectively, working col-
laboratively, resolving conflicts, balancing priorities, and
managing one’s time. Leadership styles, functions and ap-
proaches will be discussed and evaluated. CSU

S L 12A. Leadership Skills: Independent Study (3)
Ind st-54 hrs CR/NC avail.
Repeat: max. 12 units
An independent leadership project. CSU

Theatre Arts
Announcement of Courses

CREDIT, DEGREE APPLICABLE COURSES:

TH A 1. Introduction to Theatre (3)
Lec-3, field trips
Repeat: max. 9 units
Designed to compare, contrast and examine the aspects of live
theatre including dramatic structure, theater production, his-
tory and performance. CSU/UC

TH A 3A. Introduction to Make-up and Costume
Design (3)
Lec-2, lab-1 CR/NC avail.
Introductory instruction and practical experience in the study
of facial and body anatomy, facial design, make-up materials,
construction and decorative materials for costumes, theory of
color, study of play scripts, laboratory/shop practice and partic-
ipation in theatre productions. CSU/UC

TH A 3B. Intermediate Make-up and Costume Design (3)
Lec-2, lab-1 CR/NC avail.
Intermediate instruction and practical experience in the study
of facial and body anatomy, facial design, make-up materials,
construction and decorative materials for costumes, theory of
color, study of play scripts, laboratory/shop practice and partic-
ipation in theatre productions. CSU/UC

TH A 3C. Advanced Make-up and Costume Design (3)
Lec-2, lab-1 CR/NC avail.
Advanced instruction and practical experience in the study of
facial and body anatomy, facial design, make-up materials, con-
struction and decorative materials for costumes, theory of
color, study of play scripts, laboratory/shop practice and partic-
ipation in theatre productions. CSU/UC

TH A 17. Multicultural Theater (3)
Lec-3 CR/NC avail.
Evaluation and demonstration of the importance of the origins
of the Asian, African and Latin theatre in the development of
the American American African American and Latin American
cultures that form part of the American society of today. CSU/UC

TH A 19. Latin American Theater (3)
Lec-3, field trips
Recognize, analyze and appraise the importance of the Latin
American theatre as a historical record of realities and dreams
through the work of its playwrights. CSU/UC

TH A 22. Acting Shakespeare: Text Analysis and
Performance (3)
Lec-3, field trips
Adviser: TH A 101 or demonstration of exit skills
Repeat: Vis. & Perf. Arts repeat, max. 9 units
Use of scansion and verse techniques to perform Shaksperean
material. Historical, textual, and analytic skills used in an
ensemble setting to re-create characters specifically from the
dramatic works of William Shakespeare. CSU

TH A 50. Play Rehearsal and Presentation (1-3)
Lec-3,6,9, field trips CR/NC only
Repeat: max. 12 units
The preparation and interpretive training process that goes
into rehearsal and performance presentation in a Theatre Arts
Department production. Students must audition for, be cast in,
rehearse and perform in the plays in order to receive credit.
CSU/UC

TH A 101. Beginning Acting (3)
Lec-3
Repeat: max. 9 units
Examination, practice and execution of the fundamentals of
acting. Staging techniques, improvisation, theatre games, stage
movement, and introduction to acting terminology. Classroom
presentation of scenes and monologues. CSU/UC/CAN
Formerly TH 10A

TH A 102. Character Development and Scene Study (3)
Lec-3
Adviser: TH A 101
Repeat: max. 9 units
Analyze, develop and create believable characters, and portray
them in class. Concentration in studying scene evolution from
selected plays. CSU/UC
Formerly TH A 10B
TH A 103. Performance Projects (3)
Lec-3
Advise: TH A 101 and 102 or demonstration of exit skills
Repeat: max. 9 units
Development of class projects and workshops that will be performed in a studio setting. Investigation of the development of performance skills as they relate to the audience and to specific studio space. CSU/UC
Formerly TH A 10C

TH A 104. Survey of Classical Drama (3)
Lec-3
Prereq.: Eligible for ENGL 96
An introductory survey to the world’s great classical plays. Investigates Greek, Roman, Medieval, Renaissance, and 18th century pieces. CSU/UC

TH A 105. Survey of Modern Drama (3)
Lec-3
Prereq.: Eligible for ENGL 96
An introductory survey to the world’s great modern plays. Begins with Henrik Ibsen and explores world trends in playwriting and performance to the present times. CSU/UC

TH A 107. Directing for the Theatre (3)
Lec-3
Advise: TH A 101, 102, or 103 or demonstration of exit skills
Repeat: max. 9 units
Examination of the function of a stage director and the techniques of stage direction with opportunities for practical experience. CSU/UC
Formerly TH A 7

TH A 116. Acting for the Camera (3)
Lec-3, lab-4, field trips
Advise: TH A 101, 102 or demonstration of exit skills
Repeat: max. 12 units
Development of performing skills for video, film and electronic media applications with emphasis on dramatic characterization in a production context. CSU/UC
Formerly TH A 16

TH A 121. Improvisation for Actors (3)
Lec-3
Repeat.: max. 9 units
An acting class focusing on the creation of original material by the performers for presentation through the techniques of improvisation and scenario. Actor generated narrative and play scripts developed by the actor in an ensemble environment. CSU

TH A 123. Vocal Production and Audition (3)
Lec-3
Advise: TH A 101
Repeat: max. 12 units
Introduction to the anatomy and physiology of the vocal mechanism. Development of voice and articulation with an emphasis on Standard American English for the stage to develop the actor’s process in preparation for audition, selection of materials, and presentation of self in various audition settings. CSU
Formerly TH A 23

TH A 124. Physical Comedy, Masks and Clowning (3)
Lec-3, field trips
Prereq.: TH A 101
Repeat: max. 9 units
Development of the acting skills focusing on clowning, the creation and use of masks, with special attention to the physical characteristics of comic acting and an introduction to circus skills. Topics include the origins and uses of masks, tragic and comic masks, the fool and origin of the clown, and the performer’s historical uses of these acting tools. CSU

TH A 129. Storytelling (3)
Lec-3, field trips
Advise: TH A 101
Repeat: max. 9 units
Development of the acting skill of storytelling through performance exercises, improvisations, and uses of the literature of folklore, myth, and monologue focusing on narrative, creation of character, and the telling of stories. CSU

TH A 145. Multimedia in Performance (3)
Lec-3, lab-3, field trips
Prereq.: IDST 120
A survey course that combines the history of live performance, including movement, dance, acting, properties, special effects and scenic elements, with the computer in its many facets, including electronic music, digital sound, computerized lighting, rear screen projections, and video and slide enhancements in three dimensional space. CSU

See Also
IDST Multimedia Studies — Performance Arts Concentration

TH A 200. Theatre Production (3)
Lec-3, lab-3
CR/NC avail.
Repeat: max. 9 units
Instruction and practical experience in stage scenery construction, stage properties selection, lighting execution, sound design and stage management through participation in theatre productions. CSU/UC
Formerly TH A 2A-2B-2C

Related Course

MUS 44. Music Theatre Workshop (3)
See Music listings for course description. The following courses in other departments will be helpful to those interested in theatre: BCST 115, 140; IDST 38; SPCH 38; and Physical Education courses in fencing, modern and folk dance, and ballet

Trade Skills
Announcement of Curricula

All courses offered by the Trade Skills Department are without college credit.

Apprenticeship courses may be found under “Apprenticeship” in this section of the Catalog.
Subject areas in Trade Skills may require a special materials fee. Check with the Department office at 550-4409.
Building Operation - Maintenance and Repair

Length of the program is 800 hours. Of these hours, 525 hours are core courses and the remaining hours must be from the elective courses listed below.

Core courses must be taken in the first two semesters of study.

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIAP 9501 Refrigeration/Air Condition I</td>
<td>105</td>
</tr>
<tr>
<td>TIAP 9502 Refrigeration/Air Condition II</td>
<td>105</td>
</tr>
<tr>
<td>TIEE 9572 DC Electricity</td>
<td>105</td>
</tr>
<tr>
<td>TIXX 9503 Boiler Theory, Oper &amp; Maint.</td>
<td>105</td>
</tr>
<tr>
<td>TIXX 9571 AC Electricity</td>
<td>105</td>
</tr>
<tr>
<td>Total</td>
<td>525</td>
</tr>
</tbody>
</table>

Electives (select 3)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TICU 9550 Custodial Training</td>
<td>105</td>
</tr>
<tr>
<td>TIEE 9573 Electronic Basic Controls</td>
<td>105</td>
</tr>
<tr>
<td>TIEE 9574 Electrical Code and Constr Practice</td>
<td>105</td>
</tr>
<tr>
<td>TIXX 9504 Instruments for HV &amp; AC</td>
<td>105</td>
</tr>
<tr>
<td>TIXX 9505 Plumbing Applications</td>
<td>105</td>
</tr>
<tr>
<td>TIXX 9701 Haz Mat’s Handling</td>
<td>105</td>
</tr>
<tr>
<td>LAIR 9809 Labor Rel in Select Indus</td>
<td>105</td>
</tr>
<tr>
<td>Total</td>
<td>735</td>
</tr>
</tbody>
</table>

Grade requirements: Students must have 85% of the required hours for the certificate with a grade of C or better.

Business Machine Technology
Computerized Machine Technology

Program Goal. Prepares students for employment in the maintenance and servicing of business equipment, including photo-copiers and computer-oriented electronics.

Admission Requirements. 10th grade level reading, writing and math skills. For more information call 239-3505.

Length of Program. Two semesters

<table>
<thead>
<tr>
<th>Core Course</th>
<th>Hours/Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIBM 9543 Computerized Mach Tech</td>
<td>25/35</td>
</tr>
</tbody>
</table>

Requirements for Completion. Successful completion of all courses with a C average or higher and minimum of 80% attendance.

Construction Trade

Length of the program is 800 hours. Of these hours, 601 hours are core courses and the remaining hours must be from the elective courses listed below.

Core courses must be taken in the first two semesters of study.

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIDR 9564 Mechanical Drawing - All Levels</td>
<td>180</td>
</tr>
<tr>
<td>TIXX 9699 Furnituremaking and Woodworking</td>
<td>108</td>
</tr>
<tr>
<td>TIXX 9704 Intro to Constr Trades, A</td>
<td>72</td>
</tr>
<tr>
<td>TIXX 9705 Intro to Constr Trades, B</td>
<td>72</td>
</tr>
<tr>
<td>TIXX 9706 Intro to Constr Trades, C</td>
<td>72</td>
</tr>
<tr>
<td>TIXX 9708 Carpentry Framing (Rough)</td>
<td>105</td>
</tr>
<tr>
<td>Total</td>
<td>601</td>
</tr>
</tbody>
</table>

Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIDR 9567 Intro to Comp Aided Draft</td>
<td>180</td>
</tr>
<tr>
<td>TIDR 9568 Blueprint Reading, Constr</td>
<td>105</td>
</tr>
<tr>
<td>TIEE 9574 Electrical Code and Constr Practice</td>
<td>105</td>
</tr>
<tr>
<td>TIXX 9505 Plumbing Applications</td>
<td>105</td>
</tr>
<tr>
<td>TIXX 9701 Haz Mat’s Handling</td>
<td>105</td>
</tr>
<tr>
<td>TIXX 9707 Ext &amp; Int Finishes</td>
<td>105</td>
</tr>
<tr>
<td>LAIR 9809 Labor Rel in Select Indus</td>
<td>105</td>
</tr>
</tbody>
</table>

Grade requirements: Students must have 85% of the required hours for the certificate with a grade of C or better.

Electronics Technician

Program Goal. Prepares students for entry-level employment as electronics technicians or Radio-TV service or repair persons. Curriculum includes fundamentals of electricity, electronic equipment, occupational safety, electric and electronic circuits, relays, test equipment, vacuum tube circuits, television and VCR repair.

Admission Requirements. High school diploma, GED, or high school proficiency certificate and demonstration of 8th grade reading, math, and language level. For more information call 550-4409.

<table>
<thead>
<tr>
<th>Core Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIEE 9572 D.C. Electricity</td>
<td>108</td>
</tr>
<tr>
<td>TIEE 9571 A.C. Electricity</td>
<td>108</td>
</tr>
<tr>
<td>TIEE 9590 Electronic Theory &amp; Tech</td>
<td>216</td>
</tr>
<tr>
<td>TIRT 9666 TV Service Repair: Fund</td>
<td>108</td>
</tr>
<tr>
<td>TIRT 9667 TV Service Repair: Adv &amp; VCR</td>
<td>108</td>
</tr>
<tr>
<td>SECY 9356 Bus Math</td>
<td>90</td>
</tr>
<tr>
<td>Total</td>
<td>738</td>
</tr>
</tbody>
</table>

Industrial Machinery
Industrial Maintenance Mechanic

Program Goal. Preparation for entry-level employment in the mechanical trades. Curriculum includes industrial mechanics, blueprint reading, electricity, sheet metal, basic machining, welding, tool identification, precision measuring instruments, hydraulics, pneumatics, shop safety, and shop math. For more information call 239-3905.

Admission Requirements. None

<table>
<thead>
<tr>
<th>Core Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITM 9641 Ind Maint Mech</td>
<td>4 x 270 hr</td>
</tr>
<tr>
<td>Total</td>
<td>1,080</td>
</tr>
</tbody>
</table>

Trade Skills
Elective Courses. To be discussed with counselor.

Requirements for Completion. Completion of required hours with a grade of C or higher.
  Total ........................................... 1,080

Elective Courses. To be discussed with counselor.

Requirements for Completion. Completion of required hours with a grade of C or higher.

Trade Skills
Announcement of Courses

NONCREDIT COURSES:

Appliances
TIAP 9500. Gas Appliance/Valve Control
Skills, knowledge and practices for the safe installation, maintenance, repair and operation of natural gas appliances and combustion devices.

TIAP 9501. Refrigeration/Air Conditioning I (105 hrs)
Adviser: GED 2105 or equivalent
Introductory course in the theory and fundamental operations of the refrigeration system, components and electrical controls. Preparation for continuing to Refrigeration and Air Conditioning II.

TIAP 9502 Refrigeration/Air Conditioning II (105 hrs)
Adviser: TIAP 9501 or equivalent
Intermediate course in the troubleshooting of the operations of commercial and automobile refrigeration systems, components and electrical controls. Preparation for employment in the Stationary Engineering Apprenticeship, HVAC maintenance helper or utility person.

Business Machine Technology
TIBM 9543. Computerized Machine Technology/ Electronics (225 hrs)
Adviser: ABE 2070 and 2074
DC and AC circuits, semiconductors, digital hardware, machine level programming, and a proficiency in microcomputer software.

TIBM 9550. Introduction to Office Machine Repair
Adviser: ESLN 3700
An overview of the principles and fundamental concepts of electronics and mechanics, as related to office machine repair. Includes use of tools, use of scientific calculator basic math for electronics, overview of AC/DC and digital electronics, circuit building and testing, use of voltmeter and oscilloscope, and use of computers.

TIBM 9551. Introduction to Copier Repair
Adviser: ESLN 3700
Introduction to the concepts, terminology, components, schematic reading, troubleshooting and repair of modern microprocessor controlled photocopiers. Includes hands-on labs and use of tools.

TIBM 9553. AC/DC Electronics - Introduction (105 hrs)
Adviser: TIBM 9550 and ESLN 3700
A lecture/lab course in which the students learn the fundamentals of series and parallel circuits, theory of current and voltage, identification and use of resistors, capacitors and inductors. Hands on experience building circuits and taking current and voltage measurements using meters and oscilloscopes.

TIBM 9554. Solid State Electronics - Introduction
Adviser: TIBM 9553
A lecture lab course exploring the operation and design of semiconductor electronics devices. Timing and control circuits with industrial applications will be designed and constructed.

TIBM 9555. Digital Electronics Introduction
Adviser: TIBM 9550 and ESLN 3700
Theory and construction of basic digital circuits, including gates, counters, shift registers, encoders and decoders, arithmetic and memory elements in small scale integrated circuits. Number systems, Boolean algebra and digital troubleshooting will also be discussed.

TIBM 9556. Microprocessor Concepts
Adviser: ESLN 3700
A lecture/lab course using model 6502 microprocessor trainers to demonstrate universal and practical concepts of microprocessor operation and assembly language programming. Both software and hardware elements will be introduced.

TIBM 9557. Microcomputer Repair Introduction
Adviser: TIBM 9558 and ESLN 3800
The theory and operation of the IBM PC and compatibles from a technical point of view. Assembly, maintenance, troubleshooting and simple repairs of PC components and peripherals including keyboard, disk drives, and power supplies. Voltmeter, scope and software diagnostics programs will be used to troubleshoot simple repairs.

TIBM 9558. Introduction to Computers - Technical
Adviser: SECY 9388 and ESLN 3700
Introduction to the operation of the IBM PC computer, including microcomputer architecture, DOS, BASIC, microprocessor differences, utilities diagnostic routines, and applications programs. Students must plan to spend additional time in the computer labs in order to gain proficiency.

TIBM 9559. Build a Clone Computer (105 hrs)
Adviser: ESLN 3700
A step by step description and demonstration of all procedures necessary to select, purchase, assemble, configure, test and maintain an IBM PC compatible system built from component parts.
Construction

TIXX 9704. Introduction to the Construction Trades A (72 hrs)
Recommended for non-traditional and re-entry students
Basic knowledge and skills necessary in the construction trades. Identification of tools and building materials and how to handle them safely. Becoming acquainted with the variety of trades and apprenticeships in construction and with the roles of people on building projects and how the building team relies on project plans and specifications for information. Completion of several small projects in wood and concrete requiring use of measuring, hand, and power tools.

TIXX 9705. Introduction to the Construction Trades B (72 hrs)
Advised: ABE 2074 or ESLN 3800; TIXX 9704
Recommended for non-traditional and re-entry students
Additional basic knowledge and skills necessary for the construction trades. Further identification of tools and building materials and how to handle them safely. Completion of several small projects in carpentry, electricity, plumbing, and sheet metal requiring use of measuring, hand, and power tools.

TIXX 9706. Introduction to the Construction Trades C (72 hrs)
Advised: ABE 2074 or ESLN 3800; TIXX 9705
Recommended for non-traditional and re-entry students
Additional basic knowledge and skills for the construction trades. More identification of tools and building materials and their safe handling. The roles played by the people that build a project and how the team relies on project plans and specifications for information. Completion of several small carpentry, drywall, painting, and waterproofing projects using measuring, hand, and power tools.

TIXX 9707. Exterior and Interior Finishes (105 hrs)
Advised: ABE 2074 or ESLN 3800
Introduction to the tools, materials, and processes used in finishing exterior and interior surfaces. Projects include installation, taping, and texturing of drywall; application of plaster, installation of flashing and roofing materials, installation of ceramic and resilient tile, and the selection and application of paint and related products. Also includes safe use of ladders, scaffolding, and personal safety equipment and how to read and interpret material safety data sheets.

TIXX 9708. Carpentry Framing (Rough) (105 hrs)
Skills and modern techniques to do framing construction to industry standards. Emphasis on blueprint reading; appropriate tools, machines, and equipment; and framing techniques for floors, walls, ceilings, and roofs. Light frame construction for pre-apprentices and/or do-it-yourself persons.

Custodial

TICU 9550. Custodial Training (108 hrs)
Preparation for employment in the custodial field. Areas include floor care, custodial tools, equipment, methods, supplies, and custodial terminology.

TICU 9553. Carpet Care (108 hrs)
Advised: TICU 9550 or equivalent
Extensive discussion on carpets. Subject areas include: history of carpet, methods of carpet construction, identification of fibers, chemistry of cleaning, soiling, carpet and upholstery cleaning methods, techniques of dyeing, and topical treatment. Involves hands-on practices.

TICU 9554. Basic Custodial Skills (48 hrs)
Basics of custodial cleaning skills. Foundation in the chemistry of cleaning, cleaning supplies, material and equipment, floor cleaning machine, mopping techniques, restroom care, dusting, wall washing, commercial office cleaning, work safety, union role in custodial industry.

Drafting

TIDR 9564. Mechanical Drawing - All Levels (180 hrs)
Advised: ABE 2074; ESLN 3500
Practical skills and theory needed for drafting and their applications in industry. Includes instrumental drawing, lettering techniques, freehand sketching, multiview and pictorial projection, dimensioning techniques, development and layout, and working drawings.

TIDR 9565. Mechanical Drawing I (180 hrs)
Introduction to drafting. Emphasis on mechanical/machine applications. Topic areas include conventional lines, lettering technique, freehand sketching, instrumental drawing, orthographic projection, and dimension techniques.

TIDR 9566. Mechanical Drawing II (180 hrs)
Advised: TIDR 9565
Development of drafting skills. Emphasis on mechanical/machine applications of working drawings including details and assembly. Includes sectional and auxiliary views, graphic primary revolutions, review of dimensioning techniques, isometric, oblique, and perspective projections, intersections and development layouts. Includes use of computer-aided drafting.

TIDR 9567. Introduction to Computer Aided Drafting (CAD) (180 hrs)
Concepts and operation of visual engineering drawing preparation using a computer (CAD). Introduction to hardware and software applications in drafting. Common ways used for initial data entry will be studied. Common methods to retrieve programs and store drawings will be used. Assignments accomplished with conventional drafting techniques.

Electricity and Energy Conservation

TIEE 9571. Electrical AC Electricity (108 hrs)
Basic knowledge and skills necessary to enter basic electronics and telecommunications programs. Introduction to the principles of AC electricity, motor theory and generators, and analysis and construction of electronic circuits using induction, capacitors, relays, and resistors. Laboratory includes the operation of signal generators, power supplies oscilloscopes, and VTVMs.
TIEE 9572. DC Electricity (108 hrs)
_Advise: ESLN 3800_
Study and practice of direct current electricity including applied mathematics, recommended safety practices and a conceptual approach to direct current electricity.

TIEE 9573. Electrical Basic Controls
Further development of knowledge and skills necessary for promotion in the electrical industry. Fundamentals of controls, control of motor study, control components, pilot devices, control circuit diagrams, analysis of control equipment, DC circuit development, and static control.

TIEE 9574. Electrical Code and Construction Practices (105 hrs)
Requirements for State Licensed Contractors. Includes: electrical safety, vocabulary, terms, distributing electrical power, house services, house circuits, installing wiring, remodeling wiring, connection (hook-ups) for appliances and devices, application and procedures for permits.

TIEE 9575. Energy Conservation/Management
Recent trends and techniques in the field of energy and its management. Saving money through energy conservation, denoting changes in heating, cooling, and lighting, and setting up an energy-conservation program at work.

TIEE 9576. Electrical Applications in Construction (105 hrs)
Includes: electrical safety, vocabulary, terms, distributing electrical power, house service, house circuits, installing wiring, remodeling wiring, connection (hook-ups) for appliances and devices, application and procedures for permits.

---

**Electronics**

TIEL 9590. Electronics I Theory and Technology
Presentation of solid state theory: diodes, zeners, LEDs, transistors, FETS, SCRs, and IGS. Circuit analysis using solid state theory will be applied to power supplies (half wave, full wave, regulated) and audio amplifiers. This course will include the construction of circuits and the analysis and problem-solving of their functions using laboratory test equipment.

TIEL 9592. Electronics 2
Topics include tuning, coupling, and filtering circuits; frequency response of amplifiers; modulation and demodulation; fundamentals of logic; integrated circuits and types and sources of wave forms.

TIEL 9594. Digital/Computer Electronics
_Advise: ABE 2074 and 2075_
An introduction to computers which make use of digital logic. Emphasis on the technical aspects of logic circuits for computers rather than programming. Simple logic gates are expanded into counters, memories, registers, and arithmetic units as utilized in computers. Units are adapted to show the structure of microcomputers and microprocessors.

---

**Industrial Machinery**

TITEM 9640. Machine Shop Practices
Use of hand tools and measuring devices, shop safety, drawings, blueprints, shop mathematics, precision tools, power saws, bench work and operations, drill press, lathe, milling machine, grinders and other general machine shop tools, devices and equipment.

TITEM 9641. Industrial Maintenance Mechanics
_Advise: ESLN 3800; ABE 2074_
Preparation for entry-level employment in the mechanical trades. Instruction includes: mechanics, blueprint reading, electricity, sheet metal, basis gas welding, tool identification, precision measuring instruments, hydraulics and pneumatics, shop safety, and shop math.

TITEM 9644. Industrial Maintenance - Introduction
_Advise: ESLN 3800; ABE 2074_
Introduction to electro-mechanical trades, including topics such as electricity, mechanics, welding, blue print reading, machining and shop safety.

---

**Police Officer**

TIPO 9647. Police Training Reserve and Limited Peace Officer
_Advise: ABE 2074_
Training for limited peace officers (probation officers) with the power to arrest in accordance with their position. Meets the minimum standards established by the California Commission of Peace Officers Standards and Training. Includes basic criminal law, laws of arrest, methods of arrest, search and seizure, and discretionary decision making.

---

**Radio and Television Repair**

TIRT 9666. TV Service/Repair - Fundamentals (108 hrs)
Television servicing and repairing including basic electronics for television, television receivers, use of test equipment and practices for troubleshooting in television servicing and repairing and the adjustment of television sets. Units of instruction include: scanning and synchronizing, video signal picture carrier signal, television receivers, picture tube, power supplies, video circuit, color and auto circuit, sound and others.

TIRT 9667. TV Service/Repair - Advanced and VCR (108 hrs)
Study of and practice in the advanced theory of checking, analyzing, servicing and repairing TV's and VCRs, troubleshooting methods, analyzing circuits and voltages, transistor testing and solid-state servicing, color set adjustments, remote control special effects and features systems, controls and others.

---

**Sanitation**

TISA 9670. Cross-Connection Control
Backflow, rules, regulations, and methods of backflow prevention, and components of a cross-connection control system.
Other Specialty Courses

**TIXX 9503. Boiler Theory, Operation, and Maintenance (105 hrs)**

*Advis: High school diploma, GED, or H.S. proficiency certificate and demonstration of 8th grade reading, math, and language ability*

Basic principles of boiler operation, maintenance, and safety procedures for stationary engineers at the pre-apprenticeship level.

**TIXX 9504. Instrumentation for Measurement and Control of HV and AC (106 hrs)**

*Advis: ESLN 3700*

Introduction to standard methods for measuring HVAC variables such as temperature, pressure, and flow. Includes continuous and on/off control instruments, feedback loop importance, and reference to blueprints and appropriate standards. Emphasis is on electronic and pneumatic methods commonly used in building service trades. Introduction to Energy Management System (EMS) concepts and methods.

**TIXX 9505. Plumbing Applications (105 hrs)**

Introduction to materials, tools and equipment used for installing a plumbing system. Interpretation of isometric drawings for installation of plumbing and piping systems. Understanding plumbing code requirements for installing Drain Waste Vent system, potable drinking water system, gas system and hot water heater. Maintenance and repair of plumbing fixtures, repair or replacement of pipe. Blueprint reading and reference to the Uniform Plumbing Code.

**TIXX 9699. Furnituremaking and Woodworking (108 hrs)**

Principles of wood fabrication, emphasizing furniture construction, hand tool and machine basics, shop safety, design, wood joinery and finishing for the beginning woodworker.

**TIXX 9700. Health and Hygiene for Stationary Engineers**

Health, hygiene and related safety practices for stationary engineers in six areas: pest control, drinking water, sewage laden equipment, infectious wastes, body substances and food services.

**TIXX 9701. Hazardous Materials Training**

The study of regulatory requirements, concepts, practices, tools and pieces of equipment for protecting workers from exposure to toxic substances and hazardous materials in general industry.

Program Goal. Provides students with basic skills for employment, entry into job training programs, or further college study. The certificates offered are the Adult Basic Education Certificate, the General Education Development (GED) Certificate, and the Adult High School Diploma. Students can also satisfy requirements for the Armed Forces and for state and local licensing boards.

Admission Requirements. All skill levels are accepted. After testing in reading, writing and mathematics, students are enrolled at a level matching their ability and geared toward their educational objectives. Students entering the GED in Spanish program are required to be fluent and literate in Spanish.

Adult Basic Education

Core Courses:

- Basic Skills Development
- Individualized Reading/Writing
- Oral/Written Communication
- Math Skills Development
- ABE/Pre-GED Skills Development

Requirements for Certificate of Completion: Meeting the standards established by the ABE Master Plan in reading, writing, listening, and mathematics.

Offered at the following campuses:

- John Adams, 561-1900
- Adult Learning and Tutorial Center, 241-2300
- Mission, 550-4417
- Southeast, 550-4300

NONCREDIT COURSES:

**ABE 2003. Vocabulary and Spelling (36-180 hrs)**

Designed to increase vocabulary and improve spelling skills. Some basic grammar included.

**ABE 2035. Individualized Reading and Writing (54-450 hrs)**

A basic reading and writing individualized program. Instruction is open entry and open exit and self-paced to meet students' individual needs. Emphasizes comprehension and study skills and will prepare students for further educational and/or job demands.

**ABE 2059. ABE/Pre-GED Preparation (54-240 hrs)**

Writing, reading and mathematics skills development from intermediate through pre-GED level. Prepares the student to enter GED 2105. Self-paced, individualized, or small group instruction. Offered in Spanish at Mission Campus.

**ABE 2070. Math Skills Development 1 (36-180 hrs)**

Addition, subtraction, multiplication, and division of whole numbers and their application to everyday situations. Introduction to number theory, measurement, basic geometry, and elementary algebra.

**ABE 2071. Math Skills Development 2 (36-180 hrs)**

Study of decimal and common fractions, percents, basic algebra and geometry. Applications with measurement, graphic representations and development of critical thinking through word problems in functional contexts. Competency based.

---

**Transitional Studies Announcement of Curricula and Courses**

All courses offered by the Transitional Studies Department are without college credit.

(Adult Basic Education, Adult High School Education, General Education Development, Pre-collegiate skills)
Transitional Studies

ABE 2072. Oral/Written Communication 1 (36-180 hrs)
Initiates development of oral and written comprehension. Students will apply these skills to everyday life situations. Students will read pertinent text as a springboard for oral discussion and written assignments. Competency based.

ABE 2073. Oral/Written Communication 2 (36-180 hrs)
Interpersonal communication through listening, speaking, writing, and reading. Using literature, art, newspapers, film and music, students explore American culture(s) and society. Reading and writing competencies stressed.

ABE 2081. Basic Skills Lab (36-540 hrs)
Advised: ESLN 3500 or 3505
Reading, writing, and communication skills to prepare students for high school courses, GED, entry into the workplace, vocational and retraining program. Self-paced, competency based individualized and small group learning with teacher, tutor, and computer assistance.

---

Adult Basic Education - Vocational NONCREDIT COURSES:

ABEV 2074. On the Job Communication Skills (54-180 hrs)
Development of listening and responding skills and other interpersonal communication skills needed for success on the job. Includes resume writing and interview practice, and introduction to on-the-job work standards and employer expectations.

ABEV 2078. Choices and Success on the Job (15-45 hrs)
Promotes student self-assessment in career choice, skills assessment, resume writing, interviewing techniques and work ethics.

ABEV 2089. Pre-Vocational Foundation Skills (45-90 hrs)
A competency based course focusing on the basic skills and personal qualities needed to succeed in the entry-level workplace. May be offered bilingually in Spanish and/or in other languages.

ABEV 2090. Literacy Tutor Training (12 hrs)
Instructional techniques in basic reading and writing including demonstration and practice. Includes student assessment, progress evaluation and choosing instructional materials. Designed for volunteers and paraprofessionals who will be tutoring adult students in literacy skills.

ABEV 2091. Graphic Arts Academics (36-180 hrs)
Academic and vocational instruction that offers a study of mathematics, science, and vocabulary as it relates to the field of graphic communications. Prepares students for entry into the Graphic Communications program.

ABEV 2092. Vocational Foundation Skills (36-180 hrs)
Competency-based course designed to support student academic success in vocational programs. Focus is on the foundation skills of reading, writing, math and study skills.

---

Adult Secondary Education

ASE 2085. Focus on the Future (30-180 hrs)
Course is divided into six flexible modules emphasizing developing skills for success in academic and vocational pursuits.
Students will explore the world of work as well as the world of higher education. They will have opportunities to shadow college students or workers in business and industry.
Selected students may apply for internships. Appropriate for all students returning to school. Module components may be offered separately.

---

General Education Development (GED)

GED (High School Equivalency). Preparation for the five GED test areas of Literature, Mathematics, Science, Social Studies, and Writing is offered in English and Spanish.

Requirements for Completion. Passing the GED test battery with an average standard score of 45 and no single test score below 40.

Offered at the following campuses:
Preparation in Spanish is offered only at the Mission Campus.
John Adams, 561-1900
Adult Learning Center, 241-2300
Mission, 550-4417
Phelan Campus, 561-1015
Southeast, 550-4300

GED 2105. GED Preparation (54-540 hrs)
Advised: ABE 2059
Prepares the student to pass the five GED tests: Writing, Social Studies, Science, Literature, and Mathematics. Individual and/or small group instruction. Offered in Spanish at Mission Campus.

---

Academic Skills Development NONCREDIT COURSES:

ABE 2069. Math Skills Lab (36-180 hrs)
Individualized instruction in basic mathematics including whole numbers, fractions, decimals, percents, measurement, and introduction to algebra and geometry. Applications to life and workplace skills are integrated into this open entry, open exit, and competency based, self-paced course.

ABE 2083. Success in College (8-25 hrs)
Tools for students to succeed in the educational setting. Emphasis is on combining use of resources and skills with suggestions for techniques that lead to success in school.

HSEN 2250. Grammar/Composition/Literature (54-90 hrs)
Advised: CASAS Score of 225
Essentials of English grammar, usage, and writing. Survey of basic forms of English and American literature. Written reports with emphasis on paragraph development, punctuation, and spelling.
High School Studies
Adult High School Diploma

Plan I

Core Courses:
• English
• Mathematics
• Social Science (U.S. History, World History, Culture, Geography, Civics, Economics)
• Science (Biological, Health, Physical)
• Visual or Performing Arts or Foreign Language
• Additional requirements

Requirements for Completion—Plan I

1. Completion of 180 high school credits. (Some may be transferred from another school). At least 15 of the high school credits must be earned in residence.

2. Passing the Adult High School Diploma Proficiency Tests
   (Reading, Mathematics, Writing)

Plan II

Core Courses:
• Civics
• History
• Additional requirement
• A GED Certificate

Requirements for Completion—Plan II

1. Completion of 25 high school credits (15 of which must be earned in residence).

2. Passing the Adult High School Diploma Proficiency Tests
   (Reading, Mathematics, Writing).

3. The GED Certificate.

In the Adult Competency Education (ACE) Learning Center, the method of awarding high school credit is different from regular classes. In ACE, awarding of credit is based upon demonstrated competency, not on attendance. With the assistance of instructors, students learn at their own pace using individualized learning materials.

Students may study core courses for Plan I and for Plan II in regular classes or in the Adult Competency Education (ACE) Learning Center using individualized materials.

Additional requirement to be chosen from these options:
Career Awareness, College Preparation, Computer Applications, Income Management, Testing Preparation.

For information on GED testing and assessment, see “GED Testing and Assessment Center.”

NONCREDIT COURSES:

Adult Competency Education (ACE)
HSLB 2700. ACE High School Lab (54-810 hrs)
Adviser: CASAS Score of 225
A competency-based, self-paced lab offering all required high school courses. Subject areas and objectives vary for each student according to previously acquired high school credit and student’s goal. Emphasis is on the development of independent, critical thinking skills applied to each subject.

Career Development

HSIC 2150. Career and Income Management (90 hrs)
Adviser: CASAS Score of 225
Career awareness, job search, and job retention. Employment development and income management. Emphasizes necessary reading, oral and written communication, workability, and interpersonal skills needed to become and stay employable. SCANS competencies are integrated into the curriculum. Satisfies high school requirement in Career Awareness. Civics

HSIC 2204. Civics (54-90 hrs)
The Constitution, the rights and responsibilities of citizens, elections, and the party system. Introduces students to a practical understanding of the law.

Economics

HSEC 2225. Economics (54-90 hrs)
Basic economic principles and their applications to the free enterprise system. Economic concepts applied to students’ personal financial decisions.

English

See Academic Skills Development.

History

HSIC 2351. United States History 1 (90 hrs)
Adviser: ABE 2073
U.S. History up to the Civil War, emphasizing the influence of past events on the present. Analysis of historical cause and effect from political, social, and economic viewpoints.

HSIC 2352. United States History 2 (90 hrs)
Adviser: ABE 2073
History of post Civil War America, emphasizing the influence of past events on the present. Analysis of historical cause and effect from political, social, and economic viewpoints.

Science

HSSC 2565. Physical Science (54-180 hrs)
Study of how people are influenced by the physical world. Includes climate, the ocean, natural events, natural resources, the Earth’s relationship to the sun and moon, and the effects of population on the Earth. Current events analyzed using course concepts.
Women’s Studies
Announcement of Courses

CREDIT, DEGREE APPLICABLE COURSES:

WOMN 10. Women and Film (3)
Lec-3 CR/NC avail.
A brief history of the development of feminist film studies. Once outlined, this approach is applied to Hollywood cinema to demonstrate how movies both reflect and shape notions about women and their roles in society. Significant examples of films made by women in resistance to patriarchal images are also screened, accompanied by readings by prominent feminist theorists. CSU/UC

AFAM 60. The African American Woman in the United States (3)
Lec-3
The Black woman in America from 1619 to the present. Particular emphasis on contributions she has made to the society. CSU/UC

ANTH 25. Culture, Gender and Sexuality (3)
Lec-3 CR/NC avail.
An examination of the cross-cultural and historical factors that determine how women and men understand and act out their gender and sexuality. Focus on women’s role in non-Western cultures such as Native American, Moslem, African and Asian societies. Various aspects of culture which affect both female and male status, such as economics, religion, family and marriage, and sexual practices, will be examined in detail. CSU/UC

ART 108. Women through Art History (3)
Lec-3, field trips
Note: The study of art history requires college-level reading comprehension.
A study of women in art, investigating their place in society as artists, and patrons, as well as subjects in art. The course will introduce women from both European and non-European cultures from prehistory to the present. All art will be discussed from both a critical and historical perspective, with regard to a social context and formal visual elements. CSU/UC

ASAM 35. Asian American Women (3)
Lec-3
Examination of the lives of Asian American women, using a multi-disciplinary approach which includes literature, poetry, history, political science, anthropology and sociology. Readings, papers and discussions on the social, cultural, political and economic conditions facing Asian American women. Field trip may be required. CSU/UC

BCST 105. Women and Mass Media (3)
Lec-3, field trips
An exploration of the mass mediated messages—radio, television, film, and print—about women. A critique of roles given women. An update on opportunities for women in each of the mainstream and alternative media industries. CSU

ECON 25. Women in the Economy (3)
Lec-3 CR/NC avail.
An introduction to women’s roles in the U.S. economy, including varying experiences related to race, ethnicity, and class. Examines women’s occupations and earnings; women’s household activities and how they affect paid work; women as consumers; public policy regarding women’s work and poverty; and current special topics. Applies and contrasts mainstream political economic theories within a feminist perspective. CSU/UC

ENGL 1A. University-Parallel Reading and Composition (3)
Lec-3
Some sections of ENGL 1A are taught from a feminist perspective. For further information about these sections, see the Chair of Women’s Studies. CSU/UC

ENGL 37. African American Women in Literature (3)
Lec-3 CR/NC avail.
An intensive examination of the literary efforts of African American women writers beginning with the Slave Narratives to the present. CSU/UC

ENGL 57. Women and Literature (3)
Lec-3, field trips CR/NC avail.
Prereq.: ENGL 96 or placement in ENGL 1A Literature by women: reading, discussion, and analysis of literature written in English by women over the last four hundred years. Emphasis on the nineteenth and early twentieth century novel, including some poetry and drama; classical as well as new and re-discovered authors. CSU/UC

ENGL 58A. Contemporary Women Writers and Poets (3)
Lec-3, field trips CR/NC avail.
Prereq.: ENGL 96 or placement in ENGL 1A Contemporary women writers and poets: reading, discussion, and analysis of fiction, poetry and drama written in English by contemporary women from diverse cultural and ethnic backgrounds. Works in translation may be included. CSU/UC

GLST 21. Issues in Lesbian Relationships (3)
Lec-3 CR/NC avail.
Exploration of the history, culture, and psychological dynamics of lesbian relationships. Emphasis on the central issues of intimacy and commitment as well as the sociological effect of homophobia and minority status within the lesbian dyad. CSU

GLST 30. Issues in the Lesbian Community (3)
Lec-3 CR/NC avail.
Historical analysis and examination of issues central to the development of lesbian identity, culture, and relationships; exploration and debate of current controversial issues in the political, social, and personal realms of lesbian experience. CSU/UC
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Meeting</th>
<th>CR/NC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 25</td>
<td>Women's Health Issues (3)</td>
<td>CR/NC avail.</td>
<td>Lec-3, field trips</td>
<td>Eligible for ESL 82</td>
<td>A health class emphasizing the empowerment of each woman in the pursuit of her physical, mental, social and political health. Aimed at meeting the needs of women of diverse ethnic backgrounds and sexual orientations. Topics include: breast self-exam, menstrual health, reproductive management, motherhood, AIDS and STDs, menopause, violence against women, stress, nutrition, exercises, alternative health, and more. Course work involves research on personal health concerns. CSU/UC</td>
</tr>
<tr>
<td>HLTH 26</td>
<td>Women's Health: Advanced Issues (3)</td>
<td>CR/NC avail.</td>
<td>Lec-3, field trips</td>
<td>Eligible for ENGL 94</td>
<td>In-depth analysis of women's health issues chosen for particular relevance to CCSF students. Focus on public policy and advocacy, emerging trends and careers in women's health, access to diverse health care modalities, and current controversies. CSU</td>
</tr>
<tr>
<td>HIST 12A-12B</td>
<td>Women in American History (3-3)</td>
<td>CR/NC avail.</td>
<td>Lec-3</td>
<td></td>
<td>An in-depth study of the experiences, roles, and contributions of women in the political, economic, social and cultural developments of the United States. CSU/UC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>HIST 12A.</strong> From the pre-colonial period to the end of the Civil War.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>HIST 12B.</strong> From the end of the Civil War to the present.</td>
<td></td>
</tr>
<tr>
<td>HUM 25</td>
<td>Women in the Arts (3)</td>
<td>CR/NC avail.</td>
<td>Lec-3, field trips</td>
<td></td>
<td>Examination of the creative process by studying the history of women in the arts from pottery, ritual chants, and story telling to painting, sculpture, jazz, novels, and performance art. Recognized &quot;greats&quot; as well as anonymous women of diverse cultural and ethnic backgrounds. Films, tapes, slides, and a field trip to complement class lectures and discussions. CSU/UC</td>
</tr>
<tr>
<td>IDST 23</td>
<td>African American Women in the Creative Arts (3)</td>
<td>CR/NC avail.</td>
<td>Lec-3</td>
<td></td>
<td>An intensive examination of the creative efforts of African American women artists and writers from 1753 to the present. CSU/UC</td>
</tr>
<tr>
<td>IDST 51-52-53</td>
<td>Current Topics in Women's Studies (1-2-3)</td>
<td>CR/NC avail.</td>
<td>Lec-1,2,3</td>
<td><strong>Repeat: if no subject repeat</strong></td>
<td>An interdisciplinary approach to current issues and concerns of women in a variety of areas, such as health, history, and sexuality. CSU/UC</td>
</tr>
<tr>
<td>IDST 54</td>
<td>Politics of Sexual Violence (3)</td>
<td>CR/NC avail.</td>
<td>Lec-3, field trips</td>
<td></td>
<td>Examination of political and psycho-social causes of sexual violence, its connection to other hate crimes, and strategies for transforming a violent culture through prevention education, with a special emphasis on the healing function of creative expression; field project required. CSU</td>
</tr>
<tr>
<td>IDST 55</td>
<td>Ending Sexual Violence: Peer Education (3)</td>
<td>CR/NC avail.</td>
<td>Lec-3, field trips</td>
<td><strong>Adviser:</strong> IDST 54</td>
<td>Education and skills training in peer education to promote healthy sexual relationships by reducing sexual violence, specifically battery and rape. Peer education activities, geared towards ending sexual violence, are conducted among CCSF students, with volunteer work in community-based organizations; field project required. CSU</td>
</tr>
<tr>
<td>IDST 70</td>
<td>Architecture and Diversity (3)</td>
<td>CR/NC avail.</td>
<td>Lec-3, field trips</td>
<td></td>
<td>An introductory critical review of the building and design heritage of women all over the world and of indigenous people's architecture in Africa and Latin America from tribal dwellings to monumental structures, followed by a series of architectural and engineering studios introducing students to basic building and design skills: developing a project, drawing a floor plan, building an architectural model, using drafting tools and computers. Emphasis on hands-on skills. CSU</td>
</tr>
<tr>
<td>LABR 78A-78B-78C</td>
<td>Women's Employment Issues (1-1-1)</td>
<td>CR/NC avail.</td>
<td>Lec-1</td>
<td><strong>These courses may be taken in any sequence</strong></td>
<td><strong>Repeat: max. 3 units if no subject repeat</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>LABR 78A.</strong> A survey of women's work in the past and present. Examines the historical evolution of women's work lives, the impact of family structure, prevailing notions of &quot;women's place,&quot; labor market opportunities, and trade union organizations. CSU</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>LABR 78B.</strong> Current issues facing women workers will be discussed. Topics include pay equity, legal rights of women workers, sexual harassment, combining work and family responsibilities and women's employment issues. CSU</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>LABR 78C.</strong> Focus on special problems of selected occupational groups such as clerical workers, health workers and women in non-traditional jobs. CSU</td>
<td></td>
</tr>
<tr>
<td>LAMS 10</td>
<td>Latinas in the U.S.: Voces (Voices) (3)</td>
<td>CR/NC avail.</td>
<td>Lec-3, field trips</td>
<td></td>
<td>The lives and experiences of Latinas living in the U.S. The effects that their experiences have on self-esteem. Multi-disciplinary discussion and analysis of major social and cultural issues and themes. CSU</td>
</tr>
<tr>
<td>PE 550</td>
<td>Self Defense For Women (1)</td>
<td>CR/NC avail.</td>
<td>Lab-2</td>
<td></td>
<td>An integrated approach to rape prevention incorporating psychological, physical and preventive skills. CSU/UC</td>
</tr>
<tr>
<td>PE 566</td>
<td>Personal Defense and Safety Awareness (1)</td>
<td>CR/NC avail.</td>
<td>Lab-2</td>
<td><strong>Repeat: max. 4 units</strong></td>
<td>Assault prevention and personal defense skills designed to increase safety awareness. Basic physical defense skills are taught with an emphasis on streetwise safety strategies and the psychology of assault prevention. CSU/UC</td>
</tr>
</tbody>
</table>
PSYC 15. Assertive Behavior (1)
Lec-1 CR/NC avail.
Emphasis on cognitive-behavioral theories and their application to assertive behavior. Assertiveness techniques in a variety of situations, including communication with family, friends and work associates. CSU

PSYC 25. Psychology of Sex Differences (3)
Lec-3 CR/NC avail.
Analysis of sex differences from physiological, psychological, and social perspectives; exploration of areas such as abilities, achievement, aggression, attitudes, including the study of concepts of femininity, masculinity, and androgyny. Designed to increase understanding of personal and professional relationships. CSU/UC

SOC 25. Sex and Gender in American Society (3)
Lec-3 CR/NC avail.
How social institutions such as education, family, work, law, etc. affect women and men differently; how gender roles influence self-concept as well as educational opportunities. Examines the contemporary status of all American women, including African American, Latina, and Asian American, in terms of differences and similarities. The strategies, policies, and laws necessary to eliminate sexism from society and to create alternatives for women and men. CSU/UC

NONCREDIT COURSES:

WOMN 9843. Issues of Concern to Women
Contemporary issues of concern to women. Course content varies to include family relations, mental and physical health issues, work-related issues, and self-defense. Focus varies from semester to semester.

Word Processing
For noncredit courses in word processing see the Office Occupations course listings of the Business Department in this section of the Catalog. Also see credit courses in the Business Department listings in this section of the Catalog.