I. APPROVAL OF ORDER OF AGENDA

II. APPROVAL OF MINUTES

March 02, 2010

III. NOTIFICATION

AGM 240  Truck and Tractor Power Trains
This course was approved at the 1/19/10 meeting with the contingency the author revise methods of instruction and add a statement regarding identical lecture and lab content. B. Adams spoke with T. Conrado (via phone) on 1/20/10 and following actions were taken in CurricUNET: methods of instruction were revised and lab content statement was inserted.

IV. CONSENT

CHEM 112  Organic Chemistry 1 5
Effective: Summer 2011
MODIFY: GE placement
Enrollment Restrictions: Maintaining: (P) Satisfactory completion of CHEM 101
Distance Education Status: Maintaining Hybrid modality
Materials Fee Status: None
Articulation Status: Transfers to CSU and UC.
General Education Status: Approved for CSU-GE:B1,B3, IGETC:5A. Requesting MJC-GE:A.
Rationale: Add MJC-GE placement
CHEM 112 was approved at the 2/17/09 meeting. The author did not check the box for MJC-GE Area A and this was not noted in Technical Review or at the meeting. The course is currently approved for CSU-GE Area B1, B3 and IGETC 5A.

V. DISCUSSION

Inactivations

None
### Revisions (including modifications/reactivations)

<table>
<thead>
<tr>
<th>Program</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGM 200</td>
<td>Introduction to Mechanical Technology</td>
<td>3</td>
</tr>
<tr>
<td>INTEC 200</td>
<td>Introduction to Mechanical Technology</td>
<td>3</td>
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</tbody>
</table>

**Effective:** Summer 2011

**MODIFY:** Description, fees, course goal, learning goals, content, typical assignments, methods of instruction, methods of assessment, textbooks

**Enrollment Restrictions:** None

**Distance Education Status:** None

**Materials Fee Status:** Modifying fees to $25.

**Articulation Status:** Transfers to CSU.

**General Education Status:** Not approved for GE.

**Rationale:** Periodic review

**Course Impact:**

1. AGM 251

**Program Impact:**

1. Agricultural Science A.S. Degree
2. Agriculture Business A.S. Degree
3. Agriculture Laboratory Technician Certificate of Achievement
4. Agriculture Laboratory Technician A.S. Degree
5. Agriculture: Sales, Service A.S. Degree
6. Agriculture: Sales, Service Technician Certificate of Achievement
7. Animal Science A.S. Degree
8. Commercial Floristry Technician Certificate of Achievement
9. Crop Science A.S. Degree
10. Dairy Industry A.S. Degree
11. Dairy Science A.S. Degree
12. Environmental Horticultural Science A.S. Degree
13. Food Processing A.S. Degree
14. Food Processing Certificate of Achievement
15. Forestry A.S. Degree
16. Forestry Certificate of Achievement
17. Fruit Science A.S. Degree
18. Heavy Machinery Management Certificate of Achievement
19. Landscape and Park Maintenance Certificate of Achievement
20. Mechanized Agriculture A.S. Degree
21. Mechanized Agriculture Technician Certificate of Achievement
22. Nursery Production Certificate of Achievement
23. Poultry Science A.S. Degree
24. Recreational Land Management A.S. Degree
25. Soil Science A.S. Degree
EMS 350  First Responder with Health Care Provider CPR 3
Effective: Summer 2011
MODIFY: Hours, fees, articulation status, course goal, learning goals, content, typical assignments, methods of assessment, textbooks
Enrollment Restrictions: None
Distance Education Status: None
Materials Fee Status: Requesting fee of $20.
Articulation Status: Does not transfer.
General Education Status: Not approved for GE.
Rationale: Periodic review
Course Impact:
1. EMS 389
2. EMS 390
Program Impact:
Stand alone

HUMAN 101  Introduction to the Humanities 3
Effective: Summer 2011
MODIFY: Course goal, learning goals, content, typical assignments, methods of instruction, methods of assessment, textbooks
Enrollment Restrictions: Maintaining: (A) Before enrolling in this course, students are strongly encouraged to be eligible for ENGL 101.
Distance Education Status: None
Materials Fee Status: None
Articulation Status: Transfers to CSU, UC.
General Education Status: Approved for MJC-GE:C, CSU-GE:C2, IGETC:3B.
Rationale: Periodic review
Program Impact:
1. MJC-GE Pattern
2. University Preparation emphasis in Humanities A.A. Degree

MACH 220  CNC Machine Tool Programming 2
Effective: Summer 2011
MODIFY: Description, repetitions, grading, restrictions, course goal, learning goals, content, typical assignments, methods of assessment, textbooks
Enrollment Restrictions: Requesting: (A) Before enrolling in this course, students are strongly advised to be familiar with basic metal cutting practices, machine setup, and calculation of tool speeds and feeds as encountered in the operation of manual lathes and milling machines, have a basic understanding of formatting and the codes used in the Word address format system of CNC programming, and have a good working knowledge in the basic operation of personal computers.
Distance Education Status: None
Materials Fee Status: Maintaining fee of $15.
Articulation Status: Transfers to CSU.
General Education Status: Not approved for GE.
Rationale: Periodic review
Course Impact:
1. MACH 315
Program Impact:
1. CNC Programmer Skills Recognition Award
2. Machine Tool Technology 2 Certificate of Achievement
MACH 311 CNC Programming with Macros  
**Effective:** Summer 2011  
**MODIFY:** Modalities, course goal, learning goals, content, textbooks  
**Enrollment Restrictions:** Maintaining: (A) Before enrolling in this course, students are strongly advised to satisfactorily complete MACH-219 and have previous CNC programming experience or on-the-job training. This is not an entry level class.  
**Distance Education Status:** Requesting: Hybrid  
**Materials Fee Status:** Maintaining fee of $5.  
**Articulation Status:** Does not transfer.  
**General Education Status:** Not approved for GE.  
**Rationale:** Periodic review  
**Program Impact:**  
1. CNC Programmer Skills Recognition Award

MACH 395 A,B,C Advanced Machine Tool Technology Lab  
**Effective:** Summer 2011  
**MODIFY:** Repetitions, restrictions, course goal, learning goals, content, typical assignments, methods of assessment  
**Enrollment Restrictions:** Requesting: (P) MACH 211 or MACH 301 or MACH 218 or MACH 219 or MACH 220 or MACH 222.  
**Distance Education Status:** None  
**Materials Fee Status:** None  
**Articulation Status:** Does not transfer.  
**General Education Status:** Not approved for GE.  
**Rationale:** Periodic review  
**Program Impact:**  
Stand alone

PEA 104 Adapted Strength Development  
**Effective:** Summer 2011  
**MODIFY:** Hours, course goal, learning goals, content, typical assignments, methods of instruction, methods of assessment, textbooks  
**Enrollment Restrictions:** Maintaining: (A) Before enrolling in this course, students are strongly advised to provide medical verification of disability and recommendation of medical specialist.  
**Distance Education Status:** None  
**Materials Fee Status:** None  
**Articulation Status:** Transfers to CSU, UC.  
**General Education Status:** Approved for MJC Activities.  
**Rationale:** Periodic review  
**Program Impact:**  
1. Physical Education A.A. Degree Major

PEVW 125 Women's Varsity Swimming and Diving  
**Effective:** Summer 2011  
**MODIFY:** Hours, course goal, learning goals, content, typical assignments, methods of instruction, methods of assessment, textbooks  
**Enrollment Restrictions:** None  
**Distance Education Status:** None  
**Materials Fee Status:** None  
**Articulation Status:** Transfers to CSU, UC.  
**General Education Status:** Approved for MJC Activities.  
**Rationale:** Periodic review  
**Program Impact:**  
1. Physical Education A.A. Degree Major
Adoptions
None

VI. PROGRAMS

Chancellor’s Office Approvals/Denials/Updates
None

Program Changes that do not require Chancellor’s Office Notification/Application

A.A. Degree: Human Services/Chemical Dependency Counseling 23
   Effective: Summer 2010
   Correction to program listing in catalog to reflect State-approved unit total.

Certificate Word Processing 32
   Effective: Summer 2010
   MODIFIED: Required courses
   Adding: OFADM 364

University Prep AOE – Communication 18
   Effective: Summer 2011

CCC-501: Application for Approval - New Credit Programs
None

CCC-511: Non-Substantial Changes to Approved Program or Change of Active–Inactive Status

Certificate Office Support 18
   Effective: Summer 2010
   MODIFIED: Units

CCC-520: Request to Convert Non-compliant Degree to Compliant Degree or Certificate of Achievement

A.A. Degree: Language Studies 25 01
   Effective: (Subject to State approval)
   MODIFIED: Units, program structure

VII. UNFINISHED BUSINESS

Action Items

1. IB Credit  
   R. Cranley
Informational Items

1. **CurricUNET Trainings** B. Adams
   
a. Recent trainings
      Jan. 27th, East Campus IRC
   
b. Training scheduled
      Trainings in Spring 2010 – Feb. 17th, 3:00-5:00, East Campus IRC; Mar. 4th, 3:00-4:30, West Campus IRC.

2. Title V and Catalog Rights S. Agostini / B. Adams

3. Equating Courses and Repetitions S. Agostini / L. Miller

VIII. NEW BUSINESS

Action Items

1. Prerequisite/Corequisite/Advisory/Limitation on Enrollment Language Standardization L. Miller

2. Apprenticeship Prefixes P. Mendez 05

Informational Items

1. Curriculum Review Matrix B. Adams

IX. TASK FORCES

1. Special Topics, Experimental, Independent, Work-Experience Task Force B. Adams
   No Report

2. CurricUNET Implementation Task Force Update B. Sanders / B. Adams
   No Report

X. PUBLIC COMMENT

Members Absent: R. Jones, E. Kerr, J. Lanning, A. Peek (Co-chair)

Others Absent: L. Miller

I. APPROVAL OF ORDER OF AGENDA

II. APPROVAL OF MINUTES  January 19, 2010

Hearing no objections, the minutes were approved as written.

III. NOTIFICATION

IV. CONSENT

V. DISCUSSION

Inactivations

None

Revisions (including modifications/reactivations)

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<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
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<td>AGEC 210</td>
<td>Elements of Agricultural Economics</td>
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<td></td>
<td>Effective: Summer 2010 Expedited!</td>
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<tr>
<td></td>
<td>MODIFY: Hours</td>
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<td>Articulation Status: Transfers to CSU</td>
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<td>General Education Status: Approved for MJC-GE: B, CSU-GE: D2</td>
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<tr>
<td>M/S/U (L. Prusso/J. Beebe)</td>
<td>to MODIFY AGEC 210</td>
<td></td>
<td></td>
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<tr>
<td>M/S/U (P. Upton/J. Sola)</td>
<td>to approve RESTRICTIONS for AGEC 210</td>
<td></td>
<td></td>
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<tr>
<td>M/S/U (E. Maki/M. Lynch)</td>
<td>to approve GE for AGEC 210</td>
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<tr>
<td>M/S/U (J. Beebe/M. Robles)</td>
<td>to approve EXPEDITED APPROVAL for AGEC 210</td>
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<td>PEA 106</td>
<td>Functional Water Exercise</td>
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<tr>
<td>PEA 107</td>
<td>Adapted Swimming</td>
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<td>Summer 2011</td>
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<tr>
<td>PHYS 101</td>
<td>General Physics: Mechanics</td>
<td>5</td>
<td>Summer 2011</td>
</tr>
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</table>
PHYS 142  Mechanics, Heat, & Waves  5  
Effective: Summer 2011  
MODIFY: Units, restrictions, course goal, learning goals, content, typical assignments, methods of instruction, methods of assessment, textbooks  
Enrollment Restrictions: Maintaining: (P) MATH 122. Removing: (P) or MATH 115.  
Distance Education Status: None  
Materials Fee Status: None  
Articulation Status: Transfers to CSU, UC.  
General Education Status: Approved for MJC-GE:A, CSU-GE:B1,B3, IGETC:5A.  
M/S/U (L. Prusso/J. Beebe) to MODIFY PHYS 142  
M/S/U (P. Upton/J. Sola) to approve RESTRICTIONS for PHYS 142  
M/S/U (E. Maki/M. Lynch) to approve GE for PHYS 142  

Adoptions  
None  

VI. PROGRAMS  

Chancellor's Office Approvals/Denials/Updates  
None  

Program Changes that do not require Chancellor's Office Notification/Application  

University Prep AOE - Communication  
B. Adams informed the committee the ENGL 178 course was inactivated (effective Summer 2010) and this course was an elective course in the degree. The inactivation of the course now leaves the total elective units at 8, and 9 are required. The committee indicated they would like the SPCOM department faculty to propose appropriate elective courses for the list. For 2010-2011, students will need to request substitutions for ENGL 178 if they are obtaining the University Prep AOE in Communication. B. Adams will discuss with SPCOM faculty and bring a revised program proposal to a future meeting.  

CCC-501: Application for Approval - New Credit Programs  
None  

CCC-511: Non-Substantial Changes to Approved Program or Change of Active–Inactive Status  
None
VII. UNFINISHED BUSINESS

Action Items

1. **IB Credit**  
   R. Cranley  
   R. Cranley informed the committee the subcommittee will be meeting during the next two months to review IB credit policies and make a recommendation to the committee. She reported E. Kerr is working on procuring various outlines for the subcommittee review.

2. **Title V and Catalog Rights**  
   S. Agostini  
   S. Agostini reminded the committee of the formation of a subcommittee which reviewed acceptance of upper division work at various colleges and crafted a draft policy. No action was ever taken on it, and she noted issues have continued to occur (primarily in Nursing) because the college does not have a clear policy on upper division work. There was extended discussion on the proposed policy. M/S/U (M. Robles/C. Vaughn) to approve the acceptance of upper division work policy.

Informational Items

1. **CurricUNET Trainings**  
   B. Adams

2. **Recent trainings**  
   Jan. 27th, East Campus IRC  
   **Training scheduled**  
   Trainings in Spring 2010 – Feb. 17th, 3:00-5:00, East Campus IRC

3. **Title V and Catalog Rights**  
   S. Agostini / B. Adams  
   Multiple Degrees - S. Agostini noted the committee had previously discussed multiple degrees. She provided committee with current catalog statement and requested feedback. Committee agreed multiple degrees statement was acceptable and it was left as it is currently written. 
   Credit by Examination – S. Agostini notified the committee of the credit by examination statement included in the catalog. M. Anglin explained the procedure used for courses articulated with high schools.

4. **Equating Courses and Repetitions**  
   S. Agostini / L. Miller  
   S. Agostini informed the committee she would be sending out a Withdrawals and Repeat Procedure document soon and requested the item remain on future agendas.
VIII. NEW BUSINESS

Action Items

1. **Prerequisite/Corequisite/Advisory/Limitation on Enrollment Language Standardization**  
   L. Miller  
   S. Agostini informed the committee L. Miller requested this item be postponed.

2. **GE SLOs**  
   A. Peek/B. Adams  
   The committee discussed the GE SLOs proposed for the catalog, which were forwarded by GE SLO work group. K. Ennis expressed her frustration on the lack of an SLO for information competency. M/S/U (M. Garcia/J. Sola) to approve GE SLOs with the recommendation the GE SLOs page include an SLO on information competency.

Informational Items

1. **Curriculum Review Matrix**  
   B. Adams  
   B. Adams showed the committee an updated spreadsheet of courses which fall within the Fall 2009 and Spring 2010 matrix which have been updated.

2. **Program SLOs**  
   A. Peek  
   A. Peek provided information to B. Adams for the meeting. B. Adams informed the committee 41 program SLOs are slated for inclusion in the 2010-2011 MJC Catalog; the goal was 10.

IX. TASK FORCES

1. **Special Topics, Experimental, Independent, Work-Experience Task Force**  
   B. Adams  
   No Report

2. **CurricUNET Implementation Task Force Update**  
   B. Sanders / B. Adams  
   No Report

X. PUBLIC COMMENT

J. Beebe provided information on the proposed apprenticeship programs. The item did not make it on the agenda, so he wanted to make committee members aware it would be addressed at the next meeting.
California Community Colleges

Request to Convert Non-compliant Degree to Compliant Degree or Certificate of Achievement

Date Submitted (TBD)

College Modesto Junior College
District Yosemite Community College District
Contact Person /Title: Gabrielle Steiner, Instructor ESL/German
Phone # (209) 575-6489
E-mail steinerg@mjc.edu

DATE SIGNATURE, CHIEF INSTRUCTIONAL OFFICER
Karen Walters Dunlap, Ph.D

Check one or more of the boxes below to indicate the type of change(s):
☐ Delete the non-compliant degree.
☐ Create a Certificate of Achievement in either IGETC or CSU General Education. (See Title 5 §55070.)
☑ Revise the non-compliant degree to include or identify 18 or more semester units (27 or more quarter units) in a major or area of emphasis.

Date Program Change Approved: Required for all requests!

Curriculum Committee approved 02/16/10 District Board approved (TBD)

Briefly describe change(s) being requested:
The Language Studies degree was converted from noncompliant format in 2008. However, on recent technical review of the degree requirements submitted to the CCCCO, it was discovered that the major excluded students who were pursuing non-transfer associate degrees as it requires completion of IGETC or CSU-GE for degree. While the degree does target transfer students, non-transfer students are not to be excluded. In addition, the faculty recently initiated an increase in major units from 20-25 with changes to coursework. Currently, the introductory level courses constitute the bulk of the 20 required units, ultimately compromising the rigor of the degree. The department believes that the best solution is to increase required units for the degree from 20 to 25 to compensate for the lack of rigor. The department believes this will ensure that prospective students obtain deeper exposure to world languages, and, upon completion of the degree, will have more than a basic knowledge of their chosen languages.

<table>
<thead>
<tr>
<th>FIELDS</th>
<th>AS LISTED in CURRENT INVENTORY</th>
<th>AS REVISED (fill in updated fields only)</th>
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<td>System Office will assign new unique code.</td>
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<td>T.O.P. Code</td>
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<td>Local Title</td>
<td>Language Studies</td>
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<tr>
<td># Units required for Certificate of Achievement</td>
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<tr>
<td># Units required for Degree Major or Area of Emphasis</td>
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<td>Transfer Status</td>
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<td>Occupational Status</td>
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</table>

Comments (for college use):
Attach catalog description of new program including list of all requirements for completion.

SUBMIT ONE COPY OF THIS FORM AND ALL ATTACHMENTS.
Even though English is widely spoken in much of the world, many things are lost in translation. Learning another language opens the mind to new ideas and new ways of looking at the world. Speaking more than one language enables you to explore other people’s culture, and in turn, it helps you to understand your own. On a more practical level, speaking more than one language is a skill which will increase your marketability in today’s global market. Schools and employers tend to prefer candidates who can utilize more than one language.

Students who complete the Language Studies AA Degree will enhance their communication abilities, cultural awareness, and critical thinking skills in English as well as two other languages.

**AA in Language Studies: Expected Outcomes**

*Upon satisfactory completion of this program, you will be able to:*

- Write expository and argumentative papers
- Examine the connections between culture and communication
- Synthesize ideas and develop conclusions in multiple languages
- Engage in conversation and written correspondence in multiple languages

**A.A. Degree: Language Studies**

- To earn the degree, the student must complete the requirements detailed in the University Preparation Pathway (p. 69) or the Career Technical Education Pathway (p. 71) which include completion of the requirements below. Language Studies majors should consult with a counselor to select the appropriate GE pattern.

**REQUIRED COURSES - COMPLETE 22 UNITS**

**COMPLETE 3 UNITS:**

| ENGL 103 | Advanced Composition and Critical Thinking | 3 |

**COMPLETE 19 UNITS IN TWO LANGUAGES:**

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<tr>
<th>FREN 101 [NP]</th>
<th>French 1</th>
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<td>FREN 102 [NP]</td>
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<td>SIGN 125 [NP]</td>
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<td>Spanish 3</td>
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<tr>
<td>SPAN 110 [NP]</td>
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<tr>
<td>ITAL 101 [NP]</td>
<td>Italian 1</td>
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</table>

**ELECTIVE COURSES - COMPLETE 3 UNITS**

| ENGL 102 [NP] | Advanced Composition and Introduction to Literature | 3 |
| ENGL 131 [NP] | Introduction to World Literature – To 1500 | 3 |
| ENGL 132 [NP] | Introduction to World Literature – From 1500 To Present | 3 |
| ENGL 172 [NP] | Introduction to Chicano Literature | 3 |
| ENGL 175 [NP] | Women in Literature | 3 |
| ENGL 176 [NP] | Introduction to Mexican Literature | 3 |
| ENGL 179 [NP] | Intro to Native American Lit, Mythology, and Oral Tradition | 3 |
| SPAN 112 [NP] | Introduction to Chicano/a Literature | 3 |
| SPAN 173 [NP] | Survey of Latin American Literature | 3 |
| SFCDM 130 [NP] | Intercultural Communication | 3 |

**UNITS IN A.A. MAJOR**

25
The following list of degrees offered at CSUs and UCs comes from Assist. Programs that most closely match MJC’s Language Studies Degree are followed by their respective program descriptions.

English B.A. Concentration in Language Studies (SFSU)
Language Studies - Chinese B.A. (UCSC)
Language Studies - French B.A. (UCSC)
Language Studies - German B.A. (UCSC)
Language Studies - Italian B.A. (UCSC)
Language Studies - Japanese B.A. (UCSC)
Language Studies - Modern Hebrew B.A. (UCSC)
Language Studies - Russian B.A. (UCSC)
Language Studies - Spanish B.A. (UCSC)

University of California, Santa Cruz
Language Studies - Spanish B.A.

Language studies is an interdisciplinary major offered by the Linguistics Department. It is designed to equip students with a thorough competence in one or more foreign languages and, at the same time, provide an understanding of the general nature of human language—its structure and use.

Language Studies B.A. (UCSC)

University of California, Santa Cruz
Language Studies B.A.

Language studies is an interdisciplinary major offered by the Linguistics Department. It is designed to equip students with a thorough competence in one or more foreign languages and, at the same time, provide an understanding of the general nature of human language—its structure and use.

Linguistics - Language Studies, Specialization in Individual Languages B.A. (UCSD)

University of California, San Diego
Linguistics - Language Studies, Specialization in Individual Languages B.A.

Students majoring in language studies must consult with the language studies faculty adviser to approve an individual curricular plan. The language studies major is designed for students who wish to pursue the study of a particular language from a variety of perspectives. To this end, students will take courses in linguistics and literature, as well as electives in linguistics, literature, culture, and area studies. This major provides preparation for a variety of careers that make use of second language skills. Depending on the elective emphasis, these include international business/law, teaching, translation, interpreting, linguistics, and foreign service. Each language studies major will specialize in one language of concentration.

Linguistics B.A. with Interdisciplinary Language Studies Option (CSUFRES)

California State University, Fresno
Linguistics B.A. with Interdisciplinary Language Studies Option

The B.A. program in Linguistics is diversified but integrated. Four options are available: (1) Teaching English as a Second Language, (2) General Linguistics, (3) Computational Linguistics, and (4) Interdisciplinary Language Studies. In each option, students receive a basic grounding in the nature and structure of human language. Linguists analyze sounds, words, sentences and texts. They also make valuable contributions to practical fields such as K-12 teaching, second and foreign language teaching, language planning, translation, computer science, forensic linguistics and language disorders. Computational applications of linguistics, such as speech synthesis, speech recognition and machine-assisted translation, have also become increasingly important.
Recommend Listing at MJC for New Disciplines to support Apprentice Program

<table>
<thead>
<tr>
<th>College Discipline</th>
<th>Apprentice Discipline Equivalent</th>
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<tbody>
<tr>
<td>INTEC</td>
<td>MFGA</td>
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<tr>
<td>ELTEC</td>
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<tr>
<td>MACH</td>
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<tr>
<td>SM</td>
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<tr>
<td>WELD</td>
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The MFGA new discipline is being requested to complete Apprentice Application. Apprenticeship courses must have a separate Course Title and a SAM Code designation = A. Because a Course TITLE (i.e. WELD 200) cannot hold to SAM CODE designations, the added disciplines would enable us to create equivalent courses that can be stacked with college course areas.

1. **TIMELINE:**
   a. FEB 2, 2010 – NEW DISCIPLINE PRESENTED
   b. MARCH 16, 2010 – 1st Half of Courses Presented (Curricunet Due Date – Feb. 22, 2010) – Expedited Request for Fall 2010
   c. MARCH 30, 2010 – 2nd Half of Courses Presented (Curricunet Due Date – March 6, 2010) – Expedited Request for Fall 2010

2. **LIST OF COURSES**

<table>
<thead>
<tr>
<th>College Existing Course</th>
<th>New Discipline</th>
<th>Aligned Number</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>WELD 200</td>
<td>MFGA</td>
<td>200</td>
<td>Arc and Gas Welding*</td>
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<tr>
<td>INTEC 201</td>
<td>MFGA</td>
<td>201</td>
<td>Introduction to Industrial Technology</td>
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<tr>
<td>INTEC 203</td>
<td>MFGA</td>
<td>203</td>
<td>Industrial Mechanical Components and Equipment</td>
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<tr>
<td>WELD 204</td>
<td>MFGA</td>
<td>204</td>
<td>MIG Welding</td>
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<tr>
<td>ELTEC 205</td>
<td>MFGA</td>
<td>205</td>
<td>Electronics Fabrication and Assembly Techniques</td>
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<tr>
<td>WELD 206</td>
<td>MFGA</td>
<td>206</td>
<td>TIG Welding</td>
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<tr>
<td>ELTEC 208</td>
<td>MFGA</td>
<td>208</td>
<td>The World of Electricity and Electronics</td>
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<tr>
<td>ELTEC 212</td>
<td>MFGA</td>
<td>212</td>
<td>Digital Principles and Circuits</td>
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<tr>
<td>MACH 218</td>
<td>MFGA</td>
<td>218</td>
<td>Introduction to CNC Lathe*</td>
</tr>
<tr>
<td>MACH 219</td>
<td>MFGA</td>
<td>219</td>
<td>Introduction to CNC Mill*</td>
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<tr>
<td>MACH 220</td>
<td>MFGA</td>
<td>220</td>
<td>CNC Machine Tool Programming*</td>
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<tr>
<td>ELTEC 221</td>
<td>MFGA</td>
<td>221</td>
<td>Instrumentation Devices and Systems</td>
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<td>MACH 222</td>
<td>MFGA</td>
<td>222</td>
<td>CNC Machine Operation</td>
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<td>MFGA</td>
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<td>Industrial Electrical components and Control Devices</td>
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<td>Credits</td>
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<td>ELTEC 226</td>
<td>MFGA 226</td>
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<td>Motors, Controls and Controllers</td>
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<td>ELTEC 229</td>
<td>MFGA 229</td>
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<td>Commercial and Industrial Wiring</td>
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<td>ELTEC 232</td>
<td>MFGA 232</td>
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<td>Introduction to Programmable Logic Controllers</td>
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<td>INTEC 248</td>
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<td>National Electrical Codes</td>
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<td>INTEC 261</td>
<td>MFGA 261</td>
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<td>Introduction to Plant Maintenance</td>
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<td>INTEC 262</td>
<td>MFGA 263</td>
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<td>Hydraulics / Pneumatics</td>
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<td>MFGA 265</td>
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<td>Troubleshooting</td>
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<td>MFGA 301</td>
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<td>Machine Shop 1*</td>
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<td>MFGA 302</td>
<td></td>
<td>Machine Shop 2*</td>
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<td>Machine Shop 3*</td>
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<td>MFGA 331</td>
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<td>Sheet Metal and Installation I</td>
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<td>Industrial Refrigeration Systems</td>
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<td>MFGA 367</td>
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<td>Plumbing Principles and Methods</td>
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<td>INTEC 376</td>
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<td>Reading Schematics and Blueprints</td>
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