**Recommended Preparation for Transfer to UC Merced**

Transfer Foundations for the University of California, Merced Division of Natural Sciences

IGETC is not recommended for this division

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**Important:** Students are advised to consult their college counselor, transfer coordinator, or a UC Merced representative for assistance in creating an academic plan. It is important to complete full course sequences whenever possible. Courses below marked in "bold" and underlined are highly recommended for preparation for UC Merced. Courses listed in normal type are acceptable but may not result in admission under competitive conditions. This document will be updated August 2003. For more information, please contact UC Merced Admissions at (559) 241-7474 and go to www.ASSIST.org

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**Recommended Lower-Division Preparation for Biological Sciences Emphasis**

**Biology (2 Courses)**

2 Courses in Biology

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIOL 1A</td>
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</table>

**Chemistry (2 Courses)**

2 Courses in General Chemistry

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CHEM 1A</td>
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<tr>
<td>CHEM 12A</td>
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</tbody>
</table>

**Math (2 Courses)**

2 Courses in Calculus

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MATH 3A</td>
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<tr>
<td>MATH 16A</td>
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</tbody>
</table>

**Statistics (1 Course)**

1 Course in Statistics recommended

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MATH 13</td>
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</tbody>
</table>

**Physics (2 or 3 Courses)**

3 Courses in Science Physics recommended; 2 Courses in General Physics acceptable but may limit admission under competitive conditions

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PHYS 4A</td>
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<tr>
<td>PHYS 2A</td>
</tr>
</tbody>
</table>

(Please See Next Page)
Minimum Admission Requirements for UC

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A. Complete 60 semester or 90 quarter units of transferable college credit with a grade point average of at least 2.4 for California residents and at least 2.8 for nonresidents.

B. Complete the following seven-course pattern requirement, earning a grade of C or better in each:
   1. Two courses in English composition
   2. One course in mathematics beyond intermediate algebra, such as college algebra, precalculus, or statistics
   3. Four courses from among at least two of the following areas:
      - Arts and Humanities
      - Behavioral and Social Sciences
      - Biological and Physical Sciences

Recommended General Education for Division of Natural Sciences

IGETC courses may be used within the pattern described below to meet UC Merced’s recommended general education for the Division of Natural Sciences. However, the completion of IGETC is not recommended or required.

English Composition (2 Courses)
ENGL 1A; ENGL 1B; ENGL 5 (or any course that satisfies the English composition requirement noted in the seven-course pattern above)

Natural Sciences (2 Courses)
Satisfied by completing the Lower-Division Preparation courses for the Biological Sciences Emphasis

Humanities | Social/Behavioral Sciences (5 Courses)
Two (2) courses in Humanities, such as any course that satisfies IGETC Areas 3A or 3B
Two (2) courses in Social/Behavioral Sciences, such as any course that satisfies IGETC Area 4
One (1) additional course in either the Humanities or Social/Behavioral Sciences, such as any course that satisfies IGETC Areas 3A, 3B, or 4

Math | Quantitative Reasoning (1 Course)
Satisfied by completing the Lower-Division Preparation courses in Math for the Biological Sciences Emphasis

Language Other Than English
Proficiency equivalent to one (1) year of college study in the same language with “C” grades or better

(Please See Previous Page for Recommended Lower-Division Preparation)
RECOMMENDED PREPARATION FOR TRANSFER TO UC MERCED

Transfer Foundations for the
University of California, Merced 2002-2003
Division of Natural Sciences
Merritt College

IGETC is not recommended for this division

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Recommended Lower-Division Preparation for
Physical Sciences Emphasis

Biology (1 Course)

1 Course in Biology
BIOL 1A; BIOL 1B; BIOL 10

Chemistry (2 Courses)

2 Courses in General Chemistry
CHEM 1A; CHEM 1B; CHEM 12A; CHEM 12B

Math (2 or 4 Courses)

2 Courses in Calculus; for Physics Emphasis, 3 Courses in Calculus plus Differential Equations and Linear Algebra
MATH 3A; MATH 3B; MATH 3C; MATH 3D

Physics (2 or 3 Courses)

2 Courses in Science Physics recommended; for Physics Emphasis 3 Courses in Science Physics
PHYS 4A; PHYS 4B; PHYS 4C

(Please See Next Page)
Minimum Admission Requirements for UC

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   2. One course in mathematics beyond intermediate algebra, such as college algebra, precalculus, or statistics
   3. Four courses from among at least two of the following areas:
      - Arts and Humanities
      - Behavioral and Social Sciences
      - Biological and Physical Sciences

Recommended General Education for Division of Natural Sciences

IGETC courses may be used within the pattern described below to meet UC Merced’s recommended general education for the Division of Natural Sciences. However, the completion of IGETC is not recommended or required.

English Composition (2 Courses)

ENGL 1A; ENGL 1B; ENGL 5 (or any course that satisfies the English composition requirement noted in the seven-course pattern above)

Natural Sciences (2 Courses)

Satisfied by completing the Lower-Division Preparation courses for the Physical Sciences Emphasis

Humanities | Social/Behavioral Sciences (5 Courses)

Two (2) courses in Humanities, such as any course that satisfies IGETC Areas 3A or 3B
Two (2) courses in Social/Behavioral Sciences, such as any course that satisfies IGETC Area 4
One (1) additional course in either the Humanities or Social/Behavioral Sciences, such as any course that satisfies IGETC Areas 3A, 3B, or 4

Math | Quantitative Reasoning (1 Course)

Satisfied by completing the Lower-Division Preparation courses in Math for the Physical Sciences Emphasis

Language Other Than English

Proficiency equivalent to one (1) year of college study in the same language with “C” grades or better

(Please See Previous Page for Recommended Lower-Division Preparation)
Transfer Foundations for the  
University of California, Merced  
Division of Engineering  
Merritt College

IGETC is not recommended for this division

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**Recommended Lower-Division Preparation for Engineering & Computer Science Emphasis**

**Biology (1 Course)**

*1 Course in Biology*

BIOL 1A; BIOL 1B

**Chemistry (2 Courses)**

*2 Courses in General Chemistry*

CHEM 1A; CHEM 1B

**Math (4 Courses)**

*3 Courses in Calculus plus Differential Equations and Linear Algebra*

MATH 3A; MATH 3B; MATH 3C; MATH 3D

**Statistics (1 Course)**

*1 Course in Statistics recommended*

MATH 13

**Physics (3 Courses)**

*3 Courses in Science Physics*

PHYS 4A; PHYS 4B; PHYS 4C

**Specialized Courses (1 or 2 Courses)**

*For Engineering Emphasis, 1 Course in Electronics and Circuits*

ENGIN 17

**Computer Science (1 Course)**

*1 Course in Computer Science*

CIS 25; CIS 26; CIS 20 AND 37

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*(Please See Next Page)*

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*Recommended Preparation for Transfer to UC Merced*

*Transfer Foundations for the*  
*University of California, Merced*  
*Division of Engineering*  
*Merritt College*

*IGETC is not recommended for this division*

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*Recommended Lower-Division Preparation for Engineering & Computer Science Emphasis*

**Biology (1 Course)**

*1 Course in Biology*

BIOL 1A; BIOL 1B

**Chemistry (2 Courses)**

*2 Courses in General Chemistry*

CHEM 1A; CHEM 1B

**Math (4 Courses)**

*3 Courses in Calculus plus Differential Equations and Linear Algebra*

MATH 3A; MATH 3B; MATH 3C; MATH 3D

**Statistics (1 Course)**

*1 Course in Statistics recommended*

MATH 13

**Physics (3 Courses)**

*3 Courses in Science Physics*

PHYS 4A; PHYS 4B; PHYS 4C

**Specialized Courses (1 or 2 Courses)**

*For Engineering Emphasis, 1 Course in Electronics and Circuits*

ENGIN 17

**Computer Science (1 Course)**

*1 Course in Computer Science*

CIS 25; CIS 26; CIS 20 AND 37

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*(Please See Next Page)*

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*These Foundations are applicable for students transferring to UC Merced during the 2004-05 academic year. Updates are scheduled to be posed on the UC Merced Admissions website August 2003. The courses identified here are selected from 2002-03 UC Berkeley and UC Davis articulation. College counselors, transfer coordinators, and articulation officers are encouraged to reference their college’s articulation agreements with UC Berkeley and UC Davis on www.ASSIST.org and the updated UC Merced Foundations for Transfer Guide for the most current and accurate information. Transfer preparation information for semesters after Fall Semester 2004 will be available from the UC Merced Admissions/Relations with Schools and Colleges.*

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STUCM  
5/6/03
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3. Four courses from among at least two of the following areas:
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   - Behavioral and Social Sciences
   - Biological and Physical Sciences

Recommended General Education for Division of Engineering

IGETC courses may be used within the pattern described below to meet UC Merced’s recommended general education for the Division of Natural Sciences. However, the completion of IGETC is not recommended or required.

**English Composition (2 Courses)**

**ENGL 1A; ENGL 1B; ENGL 5** (or any course that satisfies the English composition requirement noted in the seven-course pattern above)

**Natural Sciences (2 Courses)**

Satisfied by completing the Lower-Division Preparation courses for the Engineering & Computer Science Emphasis

**Humanities | Social/Behavioral Sciences (5 Courses)**

Two (2) courses in Humanities, such as any course that satisfies IGETC Areas 3A or 3B

Two (2) courses in Social/Behavioral Sciences, such as any course that satisfies IGETC Area 4

One (1) additional course in either the Humanities or Social/Behavioral Sciences, such as any course that satisfies IGETC Areas 3A, 3B, or 4

**Math | Quantitative Reasoning (1 Course)**

Satisfied by completing the Lower-Division Preparation courses in Math for the Engineering & Computer Science Emphasis

**Language Other Than English**

Proficiency equivalent to one (1) year of college study in the same language with "C" grades or better

(Please See Previous Page for Recommended Lower-Division Preparation)
Transfer Foundations for the University of California, Merced 2002-2003
Division of Social Sciences, Humanities, & Arts Merritt College

IGETC is recommended for this division

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Recommended Lower-Division Preparation for Social Sciences Emphasis

Statistics (1 Course)

1 Course in Statistics recommended

MATH 13

Intended Field of Emphasis (2 Courses)

2 Course sequence related to student’s intended field of emphasis (see www.ASSIST.org or contact UC Merced Admissions at (559) 241-7474 for more information).

For Business and Economics students, 2 Courses in Calculus

MATH 3A; MATH 3B; MATH 16A; MATH 16B

Recommended Lower-Division Preparation for Arts & Humanities Emphasis

Intended Field of Emphasis (2 Courses)

2 Course sequence related to student’s intended field of emphasis (see www.ASSIST.org or contact UC Merced Admissions at (559) 241-7474 for more information).

Recommended General Education Pattern for the Division of Social Sciences, Humanities, & Arts

Completion of IGETC is strongly recommended.

(Please See Next Page)
Minimum Admission Requirements for UC

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   3. Four courses from among at least two of the following areas:
      • Arts and Humanities
      • Behavioral and Social Sciences
      • Biological and Physical Sciences

(Please See Previous Page for Recommended Lower-Division Preparation)