

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

2002-2003
Merritt College

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

Recommended Lower-Division Preparation for

Biological Sciences Emphasis

Biology (2 Courses)

2 Courses in Biology

BIOL 1A; **BIOL 1B**

Chemistry (2 Courses)

2 Courses in General Chemistry

CHEM 1A; **CHEM 1B**; CHEM 12A; CHEM 12B

Math (2 Courses)

2 Courses in Calculus

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

Statistics (1 Course)

1 Course in Statistics recommended

MATH 13

Physics (2 or 3 Courses)

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

PHYS 4A; **PHYS 4B**; **PHYS 4C**; PHYS 2A; PHYS 2B

(Please See Next Page)

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Division of Natural Sciences

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2002-2003

Merritt College

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)

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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)

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Recommended General Education for Division of Natural Sciences

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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

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RECOMMENDED PREPARATION FOR TRANSFER TO UC MERCED



Transfer Foundations for the
University of California, Merced

Division of Engineering
IGETC is not recommended for this division

2002-2003
Merritt College

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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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RECOMMENDED PREPARATION FOR TRANSFER TO UC MERCED



Transfer Foundations for the
University of California, Merced

Division of Engineering
IGETC is not recommended for this division

2002-2003
Merritt College

Minimum Admission Requirements for UC

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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 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

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RECOMMENDED PREPARATION FOR TRANSFER TO UC MERCED



Transfer Foundations for the
University of California, Merced
Division of Social Sciences,
Humanities, & Arts

IGETC is recommended for this division

2002-2003
Merritt College

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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**.

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2002-2003
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