High School Administrators Meeting
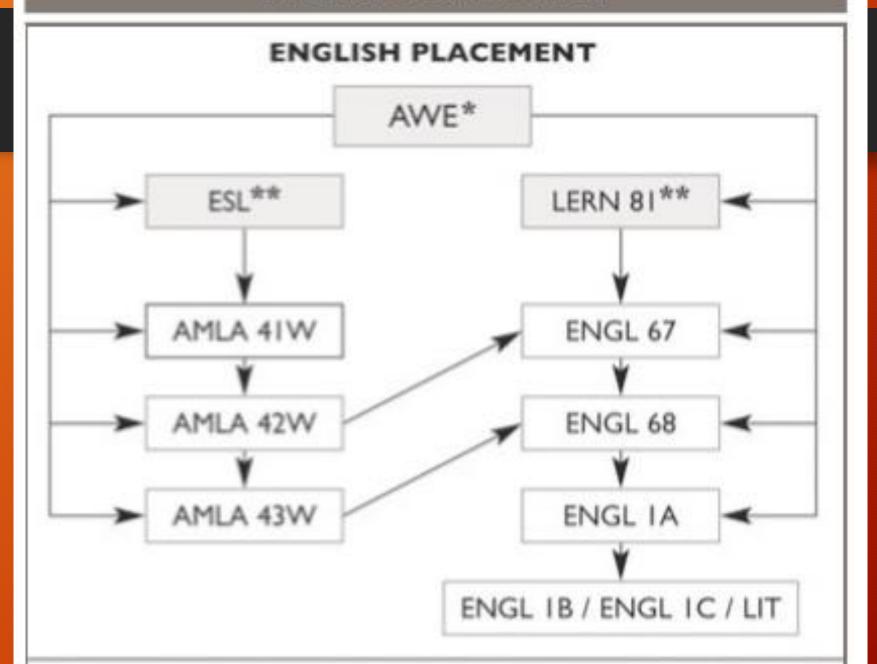
Multiple Measures

October 17 2017

Historical Assessment (Placement Testing) at Mt. SAC

- Placement Testing is required of all students, unless they have completed college courses or AP classes.

- Students are required to complete English and Math tests if they want to enroll in English and math courses.

- Additionally, 85% of courses require a specific level of English eligibility.

- Reading test is also given to students. Students must either score at a high enough level or pass a reading course for the AA (not ADT) degree.
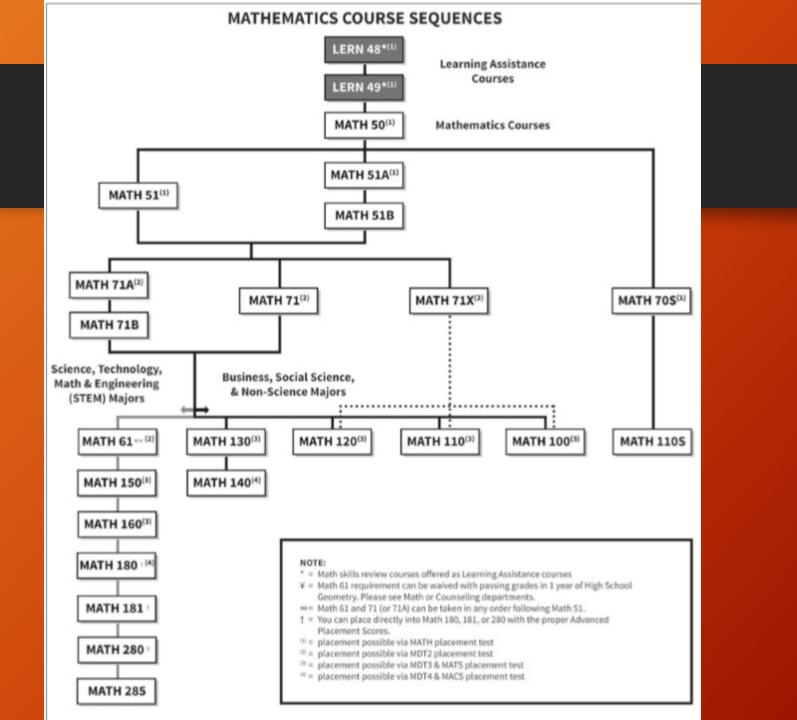
ENGLISH – AWE: Assessment of Written English

- Homegrown, holistic writing assessment
- 50 minute essay test responding to a prompt
- If taken at Mt. SAC, students use computer to type
- If taken at high school, students must write by hand
- Writing sample is read and scored against an established rubric by 2 Mt. SAC English faculty

ENGLISH: COMPOSITION

ENGLISH PLACEMENT

Math Placement Test

- Adapted from the MDTP: 4 different tests
  - Math (developmental, pre-algebra, elementary algebra)
  - Intermediate Algebra (intermediate algebra, geometry)
  - College level (precalculus, statistics, college algebra, trigonometry)
  - Calculus
- Students must select the level test to take
- If student scores high enough, student is provided with course options in which to enroll
- If score isn't high enough, student is directed to take the next, lower, level test.

MATHEMATICS COURSE SEQUENCES

LERN 48*(1) — Learning Assistance Courses

LERN 49*(1)

MATH 50(1) — Mathematics Courses

MATH 51A(1)

MATH 51(1)

MATH 51B

MATH 71A(2)

MATH 71B

MATH 71(2)

MATH 71X(2)

MATH 70S(1)

Science, Technology, Math & Engineering (STEM) Majors

Business, Social Science, & Non-Science Majors

MATH 61 ¥∞ (2)

MATH 130(3)

MATH 120(3)

MATH 110(3)

MATH 100(3)

MATH 110S

MATH 150(3)

MATH 140(4)

MATH 160(3)

MATH 180 †(4)

MATH 181 †

MATH 280 †

MATH 285

NOTE:
* = Math skills review courses offered as Learning Assistance courses
¥ = Math 61 requirement can be waived with passing grades in 1 year of High School Geometry. Please see Math or Counseling departments.
∞ = Math 61 and 71 (or 71A) can be taken in any order following Math 51.
† = You can place directly into Math 180, 181, or 280 with the proper Advanced Placement Scores.
(1) = placement possible via MATH placement test
(2) = placement possible via MDT2 placement test
(3) = placement possible via MDT3 & MATS placement test
(4) = placement possible via MDT4 & MACS placement test

Challenges In Assessing and Placing High School Students

- Too many students were not placing at levels commensurate with courses they passed in high school.

- Students were not taking math in 11th and/or 12th grades, making their recall difficult; resulting in lower math placements.

- Lower placements delayed completion of graduation and transfer level courses.

- Lower placements were discouraging to students.

- High school officials continually expressed concerns about lower placement levels of their graduates.

- Mt. SAC was not utilizing students' prior high school performance as a key predictor for success.

The New Proposal

- Place students off of high school grades and courses!
- **English and Math**: unweighted cumulative grade point average
- **English** Placement: grade in 12th grade regular (non-ESL) English class
- **Math** Placement: last math course completed and grade received in last math course; math course currently enrolled

Premise for English Placement

- Three years of a student's U.S. high school enrollment in non-ESL English classes based primarily on the student's cumulative GPA.
  - Highest placement occurs with a 2.6 cum GPA or higher
  - Minimum cum GPA is 1.7 to be considered for placement based on cum GPA
- Consideration of a slightly lower cumulative GPA if the student's grade in non-ESL 12th grade English with a "B" grade or higher.
- Students can also increase enrollment level to English 1A if they enroll in a co-requisite class (English 66)

English

- **English 1A**: 2.6 cum GPA or higher

    OR 2.4 - 2.59 cum GPA *AND* "B" or higher in 12th grade "regular" English

- **English 1A + co-requisite English 66 course** (5 units): 2.4 - 2.59
- cum GPA

    OR 2.2 – 2.39 cum GPA *AND* "B" or higher in 12th grade "regular" English

- **English 68**: 2.2 – 2.39 cum GPA

    OR 2.0 – 2.1 cum GPA *AND* "B" or higher in 12th grade "regular" English

- **English 67**: 1.8 – 2.19 cum GPA or **English 90** [new 5 unit course] for eligibility for English 1A

    OR 1.7 cum GPA AND "B" or higher in 12th grade "regular" English

High School English Performance: cum GPA OR grade in 12th grade English

- **GPA alone: 2.2 to 2.6 cum GPA or higher** – *the higher the GPA, the higher the placement*
  - 2.6 cum GPA = English 1A
  - 2.4 – 2.59 cum GPA = English 1A + English 66 (co-req)
  - 2.2 – 2.39 cum GPA = English 68 *OR* English 90 (new course)
- **"B" grade or higher in regular 12th grade English**
  - 2.4 – 2.59 cum GPA = English 1A
  - 2.2 – 2.39 cum GPA = English 1A PLUS coreq class English 66
  - 2.0 – 2.1 cum GPA = English 68
  - 1.7   cum GPA = English 67
- **Below 1.7 cum GPA OR lower than "B" in 12th grade English**
  - Take English Placement Test (AWE)

Placement Outside of Grades

- Students who have not completed three years of high school in the U.S.
- Students who have not completed three years of "regular" (non-ESL) English classes in high school
- ESL students
- Special Education students who have been enrolled in special classes

➢ *Students will be referred to take the standard, AWE test along with a Multiple Measures Survey to determine placement*

Premise for Math Placement

- Use of a "sliding scale" that balances cumulative, unweighted GPA with last math course passed with a "C" or better.

- Different GPA requirements if student is assessed based on 11th grade information versus 12th grade information.

- GPA range from 2.8 to 3.6 or higher plus course enrollment of "C" or better makes students eligible to place into Intermediate Algebra at the low end and Calculus at the high end.

- Students with GPAs between 2.0 and 2.7 can be placed in Elementary Algebra and Pre-Algebra without consideration of high school math course and grade in high school math course.

Math: Cum GPA + "C" or better in last math class passed –– GPA varies from 11th to 12th grade

- **Placement by cum GPA alone** (no info on last math class passed at Algebra 1 or higher):
  - 2.4 GPA (11th grade) or 2.5 GPA (12th grade): Elementary Algebra
  - 2.0 GPA (11th grade) or 2.1 GPA (12th grade): Pre-Algebra
- **Math 71 Intermediate Algebra**
  - 2.8 GPA (11th grade) or 2.9 GPA (12th grade)
- **Math 110 Statistics**
  - Completed Algebra II and 3.0 GPA (11th or 12th grade)
  - Completed Precal and 2.3 GPA (11th grade) or 2.6 GPA (12th grade)
- **Math 130 College Algebra**
  - Completed Algebra II and 3.2 GPA(11th or 12th grade)
  - Completed Precalc and 2.9 GPA (11th grade) *or*
  - Completed Precalc or Statistics and 3.0 GPA (12th grade)

- **Math 150 Trigonometry**
  - Completed Algebra II and 3.4 GPA (11th grade) or 3.3 GPA (12th grade)
  - Completed Precalculus with "C+" or better and 3.0 GPA (11th grade) or 2.8 GPA (12th grade)
  - Completed Algebra II with "B" or better and 3.0 GPA (11th grade)
- **Math 160 Precalculus**
  - Completed Trigonometry and 3.4 GPA (11th grade) or 3.3 GPA (12th grade)
  - Completed Calculus and 2.6 GPA (11th grade + enrolled in Calculus) or 3.0 GPA (12th Grade)
- **Math 180 Calculus**
  - Completed Precalculus or Trigonometry and 3.6 GPA (11th grade) or 3.5 GPA (12th grade)
  - Completed Precalculus and 3.2 GPA (11th grade) or 3.1 GPA (12th grade) and enrolled in Calculus

Placement Outside of Grades and Math Course

- Students will be referred to take the Math Placement Test.
- Potentially, students may also be able to raise their placement level if they simultaneously enroll in a co-requisite course.

Operational Issues

- Students will need to know their unweighted, cumulative GPA
- Students will need to know the name of their last English and math courses and the grades received in each
- Mt. SAC will need to know the names of 11th and 12th grade English courses, including EWRC, and how each course articulates with our English courses
- Mt. SAC will need to know the names/sequence of high school math courses, including Integrated Math and how each course articulates with our college math courses
- Students may elect to take the English and math placement tests in place of multiple measures (high school grades and course information) or in addition to multiple measures
- ESL and Special Education students will need specialized assistance

Examples of Current Course Listings (CCC Apply Statewide)

- **ENGLISH**
  - 12th Grade Advanced Placement (AP) English or Literature
  - 12th Grade Honors English Composition or Literature
  - 12th Grade English Composition or Literature
  - 11th Grade Advanced Placement (AP) English or Literature
  - 11th Grade Honors English Composition or Literature
  - 10th Grade (or lower) English Composition or Literature

- **MATH**
  - Pre-algebra or lower
  - Algebra 1
  - Integrated Math 1
  - Integrated Math 2
  - Geometry
  - Algebra 2
  - Integrated Math 3
  - Statistics
  - Integrated Math 4
  - Trigonometry
  - Pre-calculus
  - Calculus or higher

Articulation Proposal

- In order to better understand and articulate each high school's English and math courses with Mt. SAC courses, we propose:
  - Discipline Dialog meetings between high school English and math department chairs and Mt. SAC English and math faculty
  - Presenting these changes to counselors at our annual High School Counselors Conference scheduled for Friday, December 8
  - Establish ongoing dialog and critical points of contact to share information, address concerns and special situations