Curriculum Advisory Committee minutes

November 5, 2018 Meeting begins 3:00 p.m. – Room A -182

<u>Members</u>: Randy Bublitz (Chair-CTE), Kathy O'Connor (Vice Chair- PE/ Athletics), Julie Brown (Business), Sandy Starkey (English), Dolores Howard (ESL/ Modern Languages), Michael Gros (Fine Arts/ School of Media Arts), Cathy Schermer (Health and Human Services), Ignacio Alarcon (Mathematics), Matthew Kay (Sciences), Ruth Morales (Social sciences), Laura Castro (Education Support, Articulation), Lisa Schwarberg (articulation liaison), Kenley Neufeld (Admin Rep), Sally Chuah (non-voting member/resource), Laurie Vasquez (non-voting member/resource), Kaylene Thomas (Curriculum Coordinator/non voting member)

Absent: Lisa Schwarberg (articulation liaison)

Additional guests: Pamela Ralston (EVP), Priscilla Mora (Division Dean), ENglish Department: Barbara Bell, Sarah Boggs, Bonny Bryan, Melissa Menendez, Jody Millward, Kathy Molly, Kimberly Monda, Clara Oropeza

1.0 CALL TO ORDER

1.1 Public Comment

Comments are limited to three minutes per person and are not open for discussion by the committee

1.2 Review of October 1, 2018 and October 15, 2018 minutes M/S/C to approve minutes (O'Connor/Brown)

2.0 INFORMATION/DISCUSSION

- Chancellor's Office Curriculum Update: Substantive Changes and Nonsubstantial Changes (attachment 2.0)
- Curriculum Responsibilities (AP 4260)
 - Any new prerequisite or corequisite shall be reviewed after three semesters of the course being offered with subsequent reviews occurring after six semesters of the course being offered or five years, whichever comes first.
 - Blocks of courses or blocks of sections of courses are two or more courses or sections for which enrollment is limited in order to create a cohort of students. Such a limitation on enrollment may be established if, in addition to review by the faculty in the discipline or department and by the curriculum committee as provided above, there is another section or another course or courses that satisfy the same requirement.

Further discussion on how to implement the above sections of AP4260 will be discussed.

2.1 CAC Calendar

CAC Calendar Fall 2018

CAC meetings; 3-5pm in A-181 September 17 (noncredit) September 24 3:00-4:30pm eLumen presentation October 1 3:00-4:30pm CourseLeaf presentation October 15 November 5 November 5 November 19 November 26 December 3 <u>Tech Reviews:3-5pm in A-181 - (15-20 min instruction)</u> August 27 - Impact: Subject/number/title/units (Laura) September 10 - Update from the Curriculum Institute October 8 - Q&A session with a SLO guru (Michael Robinson) October 29 - Q&A for CAC Reps

2.2 Adjustments to the Agenda

AP 4260 added to INFORMATION/DISCUSSION notes under 2.0

2.3 Proposals on Hold

2.4 Course Deactivations Fall 2019

DMS 182 - Clinical Experience 1

ED 105A - Introduction to Teaching English as a Foreign Language (Language Acquisition)

ED 105B - Introduction to Teaching English as a Foreign Language (Methods and Materials)

ED 105C - Introduction to Teaching English as a Foreign Language (Crosscultural Communication)

ED 105D - Introduction to Teaching English as a Foreign Language (English Grammar) ED 105E - Introduction to Teaching English as a Foreign Language (Testing and Assessment) ED 105F - Introduction to Teaching English as a Foreign Language (Educational Technology)

- 2.5 Program Deactivations
- 2.6 CTE Content Review (Requisite)
- 3.0 HEARING

<u>CREDIT</u>

3.1 New Course Proposals

A. ENG 101RS - Reading Studio

Justification: Reading is a significant concern in colleges across the country. With the recent legislation that requires all students to be placed into college level English, the concern is even greater, even with optimistic caution. Students who may need reading development will no longer have as much access to explicit, directed, research-based reading instruction by trained reading specialists. This studio class will provide the

essential practice that can transform students as readers. Dist Ed:no online or hybrid Pre-req: none SLO: new

Move to Action

B. ENG 110M - Support Course for College Reading, Research, and Composition Justification: This support course will reinforce the implementation of the writing, reading and research strategies that students will learn in MET English 110 courses. MET courses offer shared pedagogy. Thus, this support course will parallel the coordinated MET 110 curriculum provided by instructors in the MET program. Students will also learn how to make explicit the strategies that buttress their success in English courses. Offering this course as a late start will allow students to utilize the first three weeks of the semester to assess their skills relative to the requirements. Faculty will advise students of this support course as a safety net to succeed in English 110. Counselors will publicize this course as a benefit to enrolling in a MET course. This way students can be empowered to choose a path that best assists them inside and outside of the classroom. Dist Ed: no online and hybrid Pre-reg: none

SLO: new

Requires further discussion on class size. Changing name to 101M.

Randy asked the English department why they were not placing students using their GPA. The English Department replied that there are studies that show using the GPA for English courses does not translate well. The English placement needs to occur using different criteria (ex: flyers and counselors giving out advice and information) (attachment 3.1a). 101RS (new), NC101 (new), 101S(approved), 110M (changing to 101M) and ENG 98 are all optional courses to support ENG 110.

English has designed the programs for 24 students in College level English and 12 students in the support course. The reasoning behind the structure is that Counselors and EOPS historically placed 70% of all students entering SBCC in below transfer courses and 30% in transfer level courses. The English Department feels that 70%+ students will require additional help and English support requires more one-on-one interaction. The English Department also pointed out that Math and English will be courses the Counselor's push students to take their first year. If they fail College English there is a great likelihood that a student will drop out and/or have a bad experience in their first semester, which will eventually lead to dropping out. The English Department also wanted the CAC to keep in mind that other college level courses could no longer use eligibility to ENG 110 as an Advisory, as all students are now eligible for ENG 110. By having smaller support courses, the English Department feels it will help students in other college level courses perform better.

A rather rousing discussion of class sized ensued, with several conversations occurring over each other and in different parts of the room. The following statements are general ideas, as it is not possible to follow all conversations and comments in such an unstructured environment. All parties involved in the conversation were given access to edit the minutes with comments prior to approval. It was brought up that although low class sizes help students pass courses, it is not fiscally responsible to do so if a larger class size will accomplish the same goal. It was countered that the schools responsibility is to the students and the AB705 requirements require some out-of-the-box thinking and the school should look at the students ability to succeed and weigh that into the equation. A final decision on class size was not intended for this meeting. Randy Bublitz, CAC Chair, requested that the English Department, the EVP and the Division Dean get together and try to come to an agreement. If no agreement can be arrived at, the English Department may come and plea it's case again to the CAC. The CAC will then make a final decision.

- MATH 008C Support Course for Mathematical Concepts for Elementary Teachers Justification: Support course designed to increase success in Math 108 Mathematical Concepts for Elementary Teachers, which with the advent of AB705, will be an entry-level course for students. Dist Ed: no online and hybrid Pre-req: MATH 107 SLO: new (approved)
- D. MATH 014C Support for Mathematics for Liberal Arts Justification: Support course designed to increase success in Math 114 Mathematics for Liberal Arts, which with the advent of AB705, will be an entry-level course for students. Dist Ed: no online and hybrid Pre-req: MATH 107; concurrent MATH 117 SLO: new (approved)
- MATH 017C Support for Elementary Statistics
 Justification: Support course designed to increase success in Math 117 Elementary
 Statistics, which with the advent of AB705, will be an entry-level course for students.
 Dist Ed: no online and hybrid
 Pre-req: MATH 107
 SLO: new (approved)

Items C-E are the same class and should be condensed to one course. (see below notes)

F. MATH 020C - Support for College Algebra Justification: Support course designed to increase success in Math 120 College Algebra, which with the advent of AB705, will be an entry-level course for students.
Dist Ed: no online and hybrid Pre-req: MATH 107; concurrent MATH 120 SLO: new (approved)

Changed to MATH 037C

G. MATH 030C - Support for Calculus for Biological Sciences, Social Sciences and Business I

Justification: Support course designed to increase success in Math 130 Calculus for Biological Sciences, Social Science, and Business I, which with the advent of AB705, will be an entry-level course for many students.

Dist Ed: no online and hybrid

Pre-req: MATH 120; concurrent MATH 130

SLO: new (approved)

Renamed to MATH 130C, move to Action

H. MATH 038C - Support for Precalculus

Justification: Support course designed to increase success in Math 138 Precalculus II, which with the advent of AB705, will be an entry-level course for many students. Dist Ed: no online and hybrid Pre-req: MATH 120; concurrent MATH 138

SLO: new (approved)

Renamed to MATH 138C, move to Action

 MATH 050C - Support Course for Calculus with Analytic Geometry I Justification: Support course designed to increase success in Math 150 Calculus with Analytic Geometry I, which with the advent of AB705, will be an entry-level course for many students.

Dist Ed: no online and hybrid Pre-req: MATH 138; concurrent MATH 150

SLO: new (approved)

Renamed to MATH 150C, move to Action

J. MATH 060C - Support Course for Calculus with Analytic Geometry II Justification: Support course designed to increase success in Math 150 Calculus with Analytic Geometry I, which with the advent of AB705, will be an entry-level course for many students.

Dist Ed: no online and hybrid Pre-req: concurrent MATH 160 SLO: new (approved)

Items C-J:

Jamie presented a chart and graph to the CAC to explain how the Math Department created a solution to AB705 (see attachment 3.1b). The Math Department will be placing students into Math courses based on their overall High School GPA. To assist students the Math Department has created several support courses. Kenley Neufeld inquired if the courses will be Pass/No Pass, which he supports and wanted to know how the course will be structure. Jamie and Pam explained all support courses are P/NP and when a student registers for a support course they are placed in the corresponding College level course. The Math department is anticipating that 10% of their students will enroll in a support course.

Randy brought up the fact that the support courses MATH 008C, 014C and 017C are very similar. He inquired if there needs to be seperate courses or can they be combined to one support course. Math agreed to make one support course. Now the SBCC has signed the Chancellor's Office agreement, it is very important that the CAC ensures the courses are appropriate. The Chancellor's Office will be auditing our courses.

The Math department will need to decide if the all the support courses will remain numbered under 100. Arguments for keeping them in the basic skills category and renumbering the courses that support courses that are college level (037C, 038C and 50C) to above 100 were presented. The possibility of noncredit support courses was brought up. At some point the Chancellor's Office might pass a bill for noncredit support at a college level.

Math needs to bring MATH 117H through the CAC this semester and should put in a deactivation mod for MATH 120

K. PE 154B - Dance Ensemble Advance Justification: This course is a continuation of the PE 154A, here students will continue to work on learning choreography and focus on touring in and out of the SB area (program: Dance; In Review)
Dist Ed: no online and hybrid Pre-req: none
SLO: new (approved)

Class size should be changed to 20, then move to Action

Item A moved to Action

Item B Held for class size decision and change name to ENG 101M Items C-J Objectives changed to measurable wording them moved to Action (except C and D)

Items C-E will be reduced to one course MATH 017C (working name)

Item F moved to Action

Items G-J numbers changed to college level courses, 130C, 138C, 150C and 160C Item K class size adjustment edit then move to Action

3.2 Modified Course Proposals

- A. DMS 148 Clinical Experience 1A Justification: Update SLOs and hours due to decreasing winter intersession
 Dist Ed: no online and hybrid
 Pre-req: no changes
 SLO: updated (requires revision)
- B. DMS 149 Clinical Experience 1B Justification: Update SLO and adjust hours due to decreasing winter intersession

Dist Ed: no online and hybrid Pre-req: adding DMS 165 and DMS 156 SLO: updated (requires revision)

- C. DMS 150 Physics And Instrumentation Justification: Update Prerequisites and SLO's
 Dist Ed: no online and hybrid
 Pre-req: adding PHYS 101, RT 119, PHYS 102, MATH 117, MATH 107, PSY 150, MATH 120
 SLO: updated (approved)
- DMS 155 Abdominal And Small Parts Scanning Justification: Update course and add Prerequisite for accreditation compliance.
 Dist Ed: no online and hybrid Pre-req: adding BMS 107, BMS 108, ENG 110, ENG 110H, COMM 131, COMM 131H SLO: no changes
- E. DMS 156 Ob/Gyn Scanning Justification: Update course content
 Dist Ed: no online and hybrid
 Pre-req: no changes
 SLO: no changes
- F. DMS 160 Pathophysiology Justification: Update course content/SLO's Dist Ed: no online and hybrid Pre-req: no changes SLO: updated (approved)
- G. DMS 165 Abdominal And Small Parts Scanning And Pathology *Justification: Update course content* Dist Ed: no online and hybrid Pre-req: no changes SLO: no changes
- H. DMS 166 Ob/Gyn Scanning And Pathology Justification: To update course content
 Dist Ed: no online and hybrid
 Pre-req: removal DMS 165, DMS 182
 SLO: no changes
- DMS 170 Introduction to Vascular Ultrasound Justification: DMS 182 is a prerequisite for this class. With two summer sessions DMS 182 is no longer an active class.
 Dist Ed: no online and hybrid Pre-req: removal DMS 182, adding DMS 148 SLO: no changes
- J. DMS 183 Clinical Experience 2
 Justification: Adjust units based on clinical time
 Dist Ed: no online and hybrid

Pre-req: removal DMS 182, adding DMS 148 SLO: updated (requires revision)

- K. DMS 184 Clinical Experience 3 Justification: Adjust units due to shorted winter intersession Dist Ed: no online and hybrid Pre-req: no changes SLO: updated (requires revision)
- DMS 185 Clinical Experience 4
 Justification: Adjust units for amount of clinical time

 Dist Ed: no online and hybrid
 Pre-req: remove DMS 184 adding, DMS 183
 SLO: updated (requires revision)
- M. DMS 250 Sonography Interpretation Justification: Update course content
 Dist Ed: no online and hybrid
 Pre-req: removing DMS 183, adding DMS 166
 SLO: updated (approved)

Items A-M are held and will be placed on the next agenda

N. ENG 088 Reading and Composition - Intensive Justification: This modification is intended to increase the integration of explicit reading instruction. In addition, this course provides a support-level for students who determine that they are not ready for transfer-level English and feel they would benefit from additional instruction.

Dist Ed: no online and hybrid

Pre-req: no changes

SLO: no changes

Edit Requisites (ESL 130 and ESL 134) or ESL 135, required assignments need to be corrected, content review for ESL 130 then move to Action

 O. ENG 089 - College Composition Workshop Justification: Change to a one unit course; modify assignments and evaluation Dist Ed: no online or hybrid {unit reduction}
 Pre-req: removal of ENG 070 and ENG 080 SLO: no changes

Under current class size discussion

P. ENG 103 - Critical Reading

Justification: This modification comes as a result of department restructuring that is necessary under new legislation, AB 705. This course serves important populations of students at SBCC and yet it has a high unit value and it is not transferable to UCs. Thus, the modification of this course would allow us to create an elective for UC bound students and still continue to serve as an important bridge for students who desire additional critical reading and thinking skills. {unit reduction} Dist Ed: no changes yes online and yes hybrid

Pre-req: no changes

SLO: no changes

Held for Tech Review

Q. ENG 110 - Composition and Reading

Justification: We are:

-adding content that had been included in the 1-unit Eng. 120 co-req

-adding content to better support students placed into Eng. 110 as a result of AB 705

-clarifying language/consolidating repetitive sections {unit increase}

Dist Ed: updated

Pre-req: no changes

SLO: updated

M/S/C to suspend the rules and move to Action (Castro/Gros)

R. ENG 110H - Composition And Reading, Honors Justification: We are:
-aligning Honors 110 with some English 110 changes
-adding content that had been included in the 1-unit Eng. 120 co-req
-clarifying language/consolidating repetitive sections {unit increase}
Dist Ed: no online and hybrid
Pre-req: no changes

SLO: updated

M/S/C to suspend the rules and move to Action (Castro/Gros)

S. ENG 120 - College Research Skills

Justification: Eng 120 and Libr 101 meet the institution's Information Competency requirement; Libr 101 is offered online so Eng 120 can be the face-to-face option for students.

Dist Ed: new online and no hybrid

Pre-req: none

SLO: updated

A discussion occurred to determine if this proposal should be moved forward to Action or deactivated. Once a decision is made, this proposal will be moved to Action or a mod will be created to deactivate it. Neither ENG 120 nor the version of LIBR 101 being taught in Fall 2018 meets current Information Literacy standards, the "Framework for Information Literacy for Higher Education," adopted by ACRL (Association of College and Research Libraries) in January 2016. A revision to LIBR 101 that meets the current standards was approved by CAC last year, and will be taught beginning Spring 2019. Starting in Fall 2019, at least one face-to-face section of LIBR 101 will be offered.

T. MATH 108 - Mathematical Concepts for Elementary School Teachers-Number Systems Justification: Need to change the accepted prerequisites to comply with AB705. Dist Ed: no online and hybrid Pre-req: no changes SLO: no changes

Class size changed to 33

M/S/C to suspend the rules and move to Action (Castro/Gros)

U. MATH 114 - Mathematics for Liberal Arts Majors
 Justification: Need to change the accepted prerequisites to comply with AB705.
 Dist Ed: no online and hybrid
 Pre-req: removal of MATH 097
 SLO: no changes

M/S/C to suspend the rules and move to Action (Castro/Gros)

 WATH 117 - Elementary Statistics Justification: Need to change the accepted prerequisites to comply with AB705. Dist Ed: no online and hybrid Pre-req: removal of MATH 097 SLO: no changes

Distance Education Summary will be reviewed M/S/C to suspend the rules and move to Action (Castro/Gros)

W. MATH 120 - College Algebra

Justification: We are working to streamline the BSTEM pathway for students by collapsing our current Math 120 (College Algebra) and Math 137 (Precalculus 1) courses into one college algebra course that will feed into either Math 130 (Calculus for Business and Biological Sciences) OR Math 138 (Precalculus II). {unit increase} Dist Ed: not new online and no hybrid Pre-req: no changes SLO: updates (approved)

X. MATH 138 - Precalculus - College Algebra and Trigonometry Justification: In collapsing our Math 120 and Math 137 into one course, some of the content in the current Math 138 needs to be shifted to the new 120 and some of the content in the old Math 137 needs to be shifted to the new Math 138. In particular, conics and sequences and series are moving to Math 120 and matrices and logic and proof are moving to Math 138. Dist Ed: no online and hybrid

Pre-req: new MATH 120 SLO: no changes

Y. PE 146 - Stretching And Relaxation

Justification: We want to add the discipline of dance to this course as it is appropriate for dance instructors to be prepared to teach this class. I am also updating the add the new discipline of Kinesiology. Dist Ed: no online and hybrid Pre-reg: none

SLO: no changes

Move to Action

Z. PE 152B - Intermediate Contemporary Modern Dance Technique Justification: to follow what major colleges and universities are cataloging the subject as Dist Ed: no online and hybrid

Pre-reg: none

SLO: no changes

Class size should be 30, once edits are completed move to Action

AA.PE 152C - Advanced Contemporary Modern Dance

Justification: to keep up to date with subject cataloging of dance courses in colleges and universities Dist Ed: no online and hybrid Pre-reg: none

SLO: no changes

Class size should be 30, once edits are completed move to Action

BB.PE 153 - Dance Concert

Justification: The work the students are doing with rehearsals and time spent in the class surpass a 1.5 unit course {unit increase} (program: Dance; In Review) Dist Ed: no online and hybrid Pre-req: none SLO: updated (revision required)

Edits to SLO and class size are required, then move to Action

CC. PE 154A - Dance Ensemble

Justification: The amount of hours student spend in class with rehearsals are greater than a 2.0 unit course {unit increase} (program: Dance; In Review) Dist Ed: no online and hybrid Pre-req: none SLO: no changes

Edits to class size are required, then move to Action

Items A-M are Held for next agenda

Item N once edits are complet move to Action

Item O Holding for class size decision

Item P Holding for Tech Review

Items Q and R rules suspended and moved to Action

Item S move to Action if decision to deactivate in not made

- Items T-V rules suspended and moved to Action
- Items W and X move to Action

Item Y Move to Action

Items Z-CC adjust class size and move to Action

3.3 New Program Proposals

3.4 Modified Program Proposals

Diagnostic Medical Sonography - Certificate of Achievement (needs revised Narrative)

NONCREDIT

3.5 New Noncredit Course Proposals

A. ENG NC101 - English Lab

Justification: In Fall 2019 SBCC will be in compliance with AB705 which means that the vast majority of students will enroll directly into English 110, Composition and Reading. The English Department is providing a range of optional support courses for students in English 110. This noncredit open English composition lab course is one of these options. Dist Ed: no online and hybrid SLO: new

Move to Action

3.6 Modified Noncredit Course Proposals

3.7 New Program Noncredit Proposal

3.8 Modified Program Noncredit Proposals

Guests

Block A:

3:15 MATH Pam Guenther Jamie Campbell - CAC Rep: Ignacio Alarcon 3:35 ENG Barbara Bell, Margaret Prothero, Kim Monda, Melissa Menendez, Anita Cruse - CAC Rep: Sandy Starkey

Block B:

4:00 DMS Danielle - CAC Rep: Cathy Schermer 4:20 PE Tracy Kofford - CAC Rep: Kathy O'Connor

4.0 ACTION

CREDIT

4.1 New Course Proposals

A. ACCT 120 - Nonprofit Accounting (Textbook updated)

4.2 Modified Course Proposals

- A. COMP 171 Business English (class size edit completed)
- B. CS 105 Theory and Practice I
- C. CS 189 Programming Practicum (edits completed)

M/S/C approve items in 4.1 and all in 4.2. Approve items where rules were suspended and moved to Action, 4.3 items Q,R,T,U, and V (Gros/Brown) All present approve.

M/S/C/ to approve any and all prerequisites, corequisites and advisories

(Gros/O'Connor). All present approve.

4.3 New Program Proposals

4.4 Modified Program Proposals

NONCREDIT

4.5 New Noncredit Course Proposals

4.6 Modified Noncredit Course Proposals

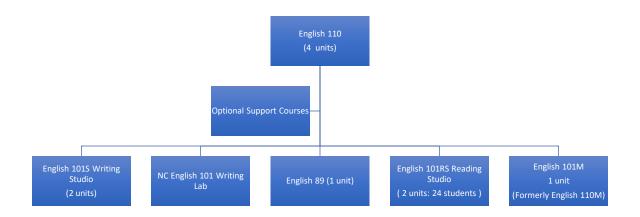
- A. ART NC101 Beginning Oil Painting: For Older Adults
- B. ART NC112 Keeping an Art Journal: For Older Adults
- C. ART NC115 Color Exploration: For Older Adults
- D. ART NC142 Watercolor and the Great Outdoors: For Older Adults
- E. ART NC146 Intermediate and Advanced Painting: For Older Adults
- F. ART NC156 Botanical Illustration: For Older Adults
- G. ART NC165 Basic Printmaking: For Older Adults
- H. ART NC168 Pastels-A Class in Color & Technique: For Older Adults
- I. ART NC182 Portrait Drawing and Painting: For Older Adults
- J. ART NC190 Abstract Painting: For Older Adult
- K. ART NC211 Beginning Drawing: For Older Adults
- L. ART NC226 Figure Drawing and Painting: For Older Adults
- M. ART NC356 Beginning Stone Carving: For Older Adult
- N. ART NC439 The Art of Jewelry Making Level 1: For Older Adults
- O. ART NC444 Jewelry Workshop: For Older Adults
- P. ART NC452 A Taste of Jewelry-Wire Wrapping: For Older Adults
- Q. ART NC585 Art Experiences and Conversations: For Older Adults
- R. ART NC704 Stained Glass: Leaded, Copper Foil and Mosaic: For Older Adults
- S. ART NC723 Glass Arts Workshop: For Older Adults
- T. ART NC896 Clay Handbuilding: For Older Adults
- U. ENG NC120 Modern and Classic Short Stories: For Older Adults
- V. ENG NC303 Explorations in Literature: For Older Adult
- W. ENG NC335 Poetry, Prose and Plays: For Older Adults
- X. ENG NC434 The Austen Mystique: For Older Adult
- Y. ENG NC497 Survey of Literary Classics: For Older Adults
- Z. ENG NC630 Screening Your Ideas: For Older Adults
- AA.ENG NC634 Writing Non-Fiction: For Older Adults
- BB.ENG NC635 Writers' Boot-camp: For Older Adults
- CC. ENG NC642 Getting Started, Getting Good, and Getting Your Fiction Published: For Older Adults
- DD. ENG NC646 Writing Your Life into Being: For Older Adults
- EE.ENG NC673 Writing Personal Histories: For Older Adults
- FF. ENG NC674 Write From the Start: For Older Adults
- GG. HE NC024 Acupressure Simple Patterns for Pain Relief and Relaxation

HH. HE NC055 - Touch for Health Plus

II. HE NC092 - Body-Mind Medicine: Brain Longevity

M/S/C approve all items in 4.6 (Gros/Brown) All present approve.

- 4.7 New Program Noncredit Proposals
- 4.8 Modified Program Noncredit Proposals
- 5.0 ADJOURN



Self-Placement English Courses (not transferable, required, nor linked with English 110)

*English 88 (Composition and Reading) *English 103 (Critical Reading)

High School Performance Metric for Statistics/Liberal Arts Mathematics	Assessment Level and Notes	Recommended AB 705 Placement for Statistics/Liberal Arts Mathematics	Placement / Banner Code
$HSGPA \ge 3.0$ Success rate = 75%	6	Transfer-Level Statistics/Liberal Arts Mathematics No additional academic or concurrent support required for students	Math 117, Math 114
HSGPA from 2.3 to 2.9 Success rate = 50%	5	Transfer-Level Statistics/Liberal Arts Mathematics Additional academic and concurrent support recommended for students	Math 117, Math 114 with recommended co-requisite
HSGPA < 2.3 Success rate of 29%	4	Transfer-Level Statistics/Liberal Arts Mathematics Additional academic and concurrent support strongly recommended for students	Math 117, Math 114 with required co-requisite

New Math Assessment Levels effective Sp 19 for Su/F 19 enrollment

High School Performance Metric BSTEM Mathematics	Sub-Metric	Assessment Level	Recommended AB 705 Placement for BSTEM Mathematics	Placement
$HSGPA \ge 3.4$ OR $HSGPA \ge 2.6$ AND enrolled in a HS Calculus course Success rate = 75%	GPA 3.4-4 and passed Precalculus GPA 2.6-3.39 and passed Precalculus	9 8	Transfer-Level BSTEM Mathematics No additional academic or concurrent support required for students	Math 130 or 150 Math 130 or 150 with recommended optional
	GPA 3.4-4	6		co-requisite Math 120/137
HSGPA ≥2.6 or Enrolled in HS Precalculus Success rate = 53%	GPA 2.6-3.39 or Enrolled in HS Precalc	5 5	Transfer-Level BSTEM Mathematics Additional academic and concurrent support recommended for students	Math 120/137 with recommended co-requisite
$HSGPA \le 2.6$ and no Precalculus Success rate =	GPA 0.1-2.59 Passed Alg II	4	Transfer-Level BSTEM Mathematics	Math 120/137 with required co-requisite.
28%	GPA 0.1-2.59 No Alg II	3	Additional academic and concurrent support strongly recommended for students	Math 107 with required co-requisite