

NORCO COLLEGE

CURRICULUM COMMITTEE MINUTES

March 13, 2018 - 2:00 pm
ST 107

Brian Johnson chaired the meeting.

Members Present:

Brian Johnson.....Math
Nicole C. Brown.....Office of Academic Affairs
Dr. Samuel Lee..... Interim Vice President of Academic Affairs
Dr. Kevin Fleming..... Dean of Instruction, Career & Technical Education
Rex Beck..... Business, Engineering & Information Technologies
Jeffrey Mulari.....Math
Jeff WarsinskiMath
Mitzi Sloniger.....Communications
Nicole Capps Communications
Starlene Justice..... Sciences and Kinesiology
Dr. Teresa Friedrich FinnernSciences and Kinesiology
Celia Brockenbrough..... Library
Nicholas Franco..... Social and Behavioral Sciences/ Articulation Officer
Ladylyn Dominquez Social and Behavioral Sciences/Counselor

Members Absent:

Dr. Jason Parks.....Dean of Instruction
Dr. Dominique Hitchcock..... Arts, Humanities and World Languages
Quinton Bemiller..... Arts, Humanities & World Languages
Glen Graham Business, Engineering & Information Technologies
Marissa Iliscupidez Social and Behavioral Sciences
Triana Morales ASNC

Guests: Colleen Molko – Associate Dean, CTE

A. Agenda and Minutes Approval:

Motion to approve March 13, 2018 Agenda –MSC: J. Mulari/ N. Capps. *Approved.

Motion to approve February 27th, 2018 Minutes –MSC: T. Friedrich Finnern/ M. Slongier. 1 abstained. Approved.

B. New Discipline: NONE.

C. New Courses:

1. ELC 405 Electrician Blueprint Reading with Code Applications for National Electrical Code (NEC) N MSC: M. Sloniger/N. Capps * Approved.
2. ELC 11 DC Electronics N MSC: M. Sloniger/N. Capps * Approved.
3. ELC 13 AC Electronics N MSC: M. Sloniger/N. Capps * Approved.
4. ELC 91 Fundamentals of Solar Energy N MSC: M. Sloniger/N. Capps * Approved.

D. New Stand Alone Courses: NONE

E. Course Inclusions:

1. KIN A71 Women's Sand Volleyball Int/Adv N MSC: M. Sloniger/S. Justice * Approved
2. KIN V01 Cross Country, Varsity, Men N MSC: M. Sloniger/S. Justice * Approved
3. KIN V12 Cross Country, Varsity, Women N MSC: M. Sloniger/S. Justice * Approved

- 4. KIN V71 Women's Sand Volleyball N MSC: M. Sloniger/S. Justice * Approved
- 5. KIN V78 Long Distance Running N MSC: M. Sloniger/S. Justice * Approved

F. Course exclusions:

- 1. SPA 1H Spanish 1 Honors N Postponed 2/27 & 3/13/18 meeting
MSC: T. Friedrich Finnern/ M.Sloniger
- 2. SPA 2H Spanish 2 Honors N Postponed 3/27 & 3/13/18 meeting
MSC: T. Friedrich Finnern/ M.Sloniger

G. Course deletions: NONE

H. Distance Education: NONE

I. Major Course Modifications:

- 1. CAT 1A Business Etiquette MNR MSC: R. Beck/ N. Franco. *Approved
- 2. CAT 31 Business Communication Fundamentals MNR
MSC: T. Friedrich Finnern/L. Dominiquez *Approved.
- 3. CIS/CAT 78A Business Communication Fundamentals MNR MSC: T. Friedrich Finnern/ M.Sloniger *Approved. Cross listed courses now match
- 4. CIS/CAT 79 Introduction to Adobe Illustrator MNR MSC: T. Friedrich Finnern/ M.Sloniger *Approved. Cross listed courses now match
- 5. CIS/CAT 90 Microsoft Outlook NR MSC: T. Friedrich Finnern/ M.Sloniger *Approved. Cross listed courses now match
- 6. CIS/CAT 65 Introduction to Microsoft Powerpoint MNR MSC: T. Friedrich Finnern/ R. Beck. *DENIED* Content issues never fixed.
- 7. CIS/CAT 80 Word Processing: Microsoft Word for Windows MNR MSC: T. Friedrich Finnern/ R. Beck. *DENIED* Content issues never fixed.
- 8. CIS/CAT 98A Introduction to Excel MNR MSC: T. Friedrich Finnern/ R. Beck. *DENIED* Content issues never fixed.
- 9. CIS/CAT 98B Advanced Excel MNR MSC: T. Friedrich Finnern/ R. Beck. *DENIED* Content issues never fixed.
- 10. CIS/BUS/CAT 3 Computer Applications for Business MNR MSC: T. Friedrich Finnern/ M.Sloniger *Approved. Cross listed courses now match
- 11. CIS/CSC 2 Fundamentals of System Analysis MNR MSC: T. Friedrich Finnern/ M.Sloniger *Approved. Cross listed courses now match
- 12. CIS/CSC 5 Programming Concepts and Methodology I: C++ MNR MSC: T. Friedrich Finnern/ M.Sloniger *Approved. Cross listed courses now match
- 13. CIS/CSC 7 Discrete Structures MNR MSC: T. Friedrich Finnern/ M.Sloniger *Approved. Cross listed courses now match
- 14. CIS/CSC 12 PHP Dynamic Website Programming MNR MSC: T. Friedrich Finnern/ M.Sloniger *Approved. Cross listed courses now match
- 15. CIS/CSC 14A Web Programming: Javascript MNR MSC: T. Friedrich Finnern/ M.Sloniger *Approved. Cross listed courses now match
- 16. CIS/CSC 17A Programming Concepts and Methodology II: C++ MNR MSC: T. Friedrich Finnern/ M.Sloniger *Approved. Cross listed courses now match
- 17. CIS/CSC 18A Java Programming: Objects MNR MSC: T. Friedrich Finnern/ M.Sloniger *Approved. Cross listed courses now match
- 18. CIS/CSC 17B C++ Programming: Advanced Objects MNR MSC: T. Friedrich Finnern/ R. Beck. *DENIED* Content issues never fixed.

19. CIS/CSC 17C C++ Programming: Data Structures MNR MSC: T. Friedrich Finnern/
R. Beck. ***DENIED* Content issues never fixed.**
20. CIS/CSC 18C Java Programming: Data Structures MNR MSC: T. Friedrich Finnern/
R. Beck. ***DENIED* Content issues never fixed.**
- ~~21. CAT 1A Business Etiquette MNR DUPLICATE~~
22. ENG 80 Preparatory Composition MNR **Previously tabled *MSC: N. Capps/ S.
Justice. ALL ABSTAINED from voting.**
23. ELE 71 Residential Electrical Wiring N MSC: R. Beck/J. Mulari * Approved.
24. ELE 72 Commercial and Industrial Electrical Wiring N MSC: R. Beck/J. Mulari *
Approved.
25. ELE 73 Electric Motors and Transformers N MSC: R. Beck/J. Mulari * Approved.
26. ELE 74 Industrial Wiring and Controls N MSC: R. Beck/J. Mulari * Approved.
27. ELE 75 Solid State Devices and Lighting Controls N MSC: R. Beck/J. Mulari *
Approved.
28. ELE 76 Low Voltage Wiring and Alternate Energy Generation N MSC: R. Beck/J.
Mulari * Approved.
29. KIN 4 Nutrition MNR MSC: T. Friedrich Finnern/N. Capps. *Approved.
30. KIN V95 Out-Of-Season Sport Conditioning MNR MSC: T. Friedrich Finnern/S.
Justice. *Approved.
31. PHI 19 Native American Thought NR MSC: M.Sloniger/T. Friedrich Finnern
*Approved. * This is also CSU/UC Transferability
32. REA 86 Reading Strategies for Textbooks MNR MSC: M.Sloniger/T. Friedrich
Finnern *Approved.
33. MAN-68 Fundamentals of Maintenance * Corrected. Name was switched with MAN-69
(4 units) * MSC: R. Beck/N. Capps * Approved.
34. MAN-69 Fundamentals of Tooling and Test Equipment * Corrected. Name was switched
with MAN-68 (2 units) * MSC: R. Beck/N. Capps * Approved. ELC-69
35. CIS/CSC-11 Computer Architecture and Organization: Assembly MSC: T. Friedrich
Finnern/ M. Sloniger *Approved.

J. New State Approved Certificates/Degrees: NONE

K. State/Locally Approved Certificate/Degree Modifications:

1. AS N ELC/ECE Digital Electronics ELE-26: changed units from 4 to 3 and
changed the name from Microprocessors and Microcontrollers to just Microcontrollers.
ELE-27: changed units from 4 to 3. ELE-11 is now cross listed to ELC-11, ELE13 is now
cross listed to ELC-13. ELE/MAN-61 changed title from Introduction to Robotics to
Robotics for Manufacturing. ELE-91 is now cross listed to ELC-91. MAN-55 changed units
from 2 to 1. * MSC: R. Beck/N. Capps. *Approved.
2. Facility Maintenance Program were revised and resubmitted due to a lecture/lab/unit
calculation error. *MSC: R. Beck/ T. Friedrich Finnern *Approved.

L. State Certificate/Degree Deletions: NONE.

M. Work Experience sentence of equivalency. Second read Work Experience catalog language. Dr. Fleming.

Occupational Work Experience Education

Work Experience is a one hour per week class which allows students to earn up to 4 units per semester for experience gained through employment or volunteer service. The content/curriculum for each discipline-specific course is identical to the general work experience course (WKX-200). Enroll in a general Work Experience section and you will be placed in your choice of one of the disciplines below with the help of your instructor.

This is temporary stop/gap for human resources. So any faculty can teach this course. The cross-listing will take a year to be reflected in the fall of 2020.

MSC: T. Friedrich Finnern/ M. Sloniger *APPROVED.

N. Information Items:

1. New Courses: NONE

2. New Stand Alone Courses:

- i. CIS 22 Systems Auditing M
- ii. MAT 45 Statway I MR
- iii. MAT 15 Statway II MR
- iv. MUS 101 Introduction to Music Technology MR

3. Course Inclusions: NONE

4. Course Exclusions: NONE

5. Course Deletions:

- i. KIN 8 Triathlon Techniques R

6. Distance Education:

- i. CAT 30A DE Business English R

7. Minor Course Modifications:

- i. ADM 1 Introduction to Applied Digital Media R

8. Major Course Modifications:

- i. JOU 12 Photojournalism R
- ii. KIN 6 Introduction to PE for Preschool and Elementary Children R
- iii. KIN 26 Foundations of Coaching R
- iv. KIN 33 Baseball Theory R
- v. KIN 43 Introduction to Personal Training R
- vi. KIN 45 Group Fitness Instructor R

9. New State/Locally Approved Certificates/Degrees:

- i. Accounting for Business R Certificate.
- ii. Business Skills Boot Camp R Certificate.
- iii. Entrepreneurship R Certificate.
- iv. General Business R Certificate.
- v. Gig: The Solopreneurs Adventure R Certificate.
- vi. Gig Economy R Certificate.
- vii. Human Resources R Certificate.
- viii. Information Security R Certificate.
- ix. Kinesiology - ADT R ADT pattern.
- x. Management R Certificate.
- xi. Marketing R Certificate.
- xii. Quality Assurance R Certificate.
- xiii. Real Estate R Certificate.
- xiv. Real Estate Salesperson R Certificate.

10. State/Locally Approved Certificate/Degree Modifications: NONE

11. State Certificate/Degree Deletions: NONE

O. Discussion items:

1. Responding to AB 705: Multiple Measures Placement and Co-requisite Models in Math. Jeff Warsinski gave a presentation on the outcomes from the conference he attended. He provided a handout to the committee members to read over the details.
"This bill would require a community college district or college to maximize the probability that the student will enter and complete transfer-level coursework in English and mathematics within a one-year timeframe, and use, in the placement of students into English and mathematics courses in order to achieve this goal, one or more of the following: high school coursework, high school grades, and high school grade point average."
2. Health Science 1 will be cross-listed with BIO-35. Heath science 1 will not go away. Heather and Greg has asked HR the issue BIO-35 cross-listed disciplines in teaching this course and it does appear to be an inconsistency, so it will be beneficial to keep HES-1 on the books. We need to make this revision to be reflected in the 18/19 course catalog.
3. Synchronicity of online courses: James Finley asked about teaching online courses synchronously at specific times. This needs to be built to put on the schedule of classes. This will be considered online and needs to be approved for Distance Education.
4. TOPs Code look-up/ Distance Education status: Brian gave a demonstration to show where you can find this information in META.

- The Distance Education (DE) courses are identified in META with the DE after the course number.

ACC	67DE	ACC 67DE - U.S. and California Income Tax Preparation	Active	10/30/2015	
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The DE course listing is located at this link listed here. Scroll down to the bottom to the section called **LINKS** and select "Courses with DE Approval". This listing hasn't been updated since the merge with META. <http://rccd.edu/administration/educationalservices/Pages/Curriculum.aspx>

Links

- [CCCC](#)
- [CCCCO](#)
- [Course Inclusion-Exclusion Request](#)
- [Course Unit Calculator](#)
- [Courses with DE Approval](#)

- TOPs Code: Log into META, then once you locate your course, you select "View Proposal History", then find it under the list located on the left hand side "Codes and Dates". See graph below. Any questions, please contact either Brian Johnson or Nicole Brown and we will be happy to assist you.

ACC 66 - Non-Profit and Governmental Accounting

- [View Course Proposal](#) [Course Outline](#) [Comparison](#) [Impact](#) [All Fields](#)

ACC 66 - Non-Profit and Governmental Accou



Status: Active View Proposal History

Course Content	<h3>Proposal Resources</h3> <ol style="list-style-type: none">1. RCCD Curriculum Website2. Steven Schmidt, <i>Technical Review</i> Email: Steven.Schmidt@rcc.edu Phone: 951-222-82483. Ann Pfeifle, <i>Moreno Valley College</i> Email: Ann.Pfeifle@mvc.edu Phone: 951-571-62434. Brian Johnson, <i>Norco College Cui</i> Email: Brian.Johnson@norcocolle Phone: 951-372-71965. Greg Burchett, <i>Riverside City Coll</i> Email: Greg.Burchett@rcc.edu Phone: 951-222-8535
Methods of Instruction	
Methods of Evaluation	
Sample Assignments	
Course Materials	
Additional Resources	
Library	
Transfer Course	
Attached Files	
General Education	
General Education SLO	
Codes/Dates	

Next Meeting: March 22, 2018

Statement of Purpose

The curriculum committee, a sub-committee of the academic senate, has two primary purposes: to review and approve new curriculum including new courses, course modifications, new programs and program modifications, and to review and approve the curriculum approval process. The college curriculum committee is the sole approving body for Norco College only curriculum. For district shared curriculum it has one vote in the district curriculum committee. The curriculum committee is also responsible for keeping abreast with state mandated curriculum changes and reporting those changes to faculty. Committee members report on curriculum at their department meetings and solicit suggestions and recommendations when needed.



RESPONDING TO AB 705: MULTIPLE MEASURES PLACEMENT & COREQUISITE MODELS IN MATH

California Acceleration Project
Accelerationproject.org

NORCO
COLLEGE

What AB 705 and MMAP says:

- Colleges must use one or more of the following measures in placement:
 - *HS coursework (Last math course taken)*
 - *HS grades OR*
 - *HS GPA*
- Low performance on one measure may be offset by high performance on another
- The student can bypass remediation based on any one measure

What AB 705 says:

This bill would require a community college district or college to maximize the probability that the student will enter and complete transfer-level coursework in English and mathematics within a one-year timeframe, and use high school coursework, high school grades, and high school grade point average in the placement of students into English and mathematics courses.

What AB 705 says:

This bill would require a community college district or college to **maximize the probability** that the student will **enter and complete transfer-level coursework** in English and mathematics **within a one-year timeframe**, and use high school coursework, high school grades, and high school grade point average in the placement of students into English and mathematics courses.

How do we maximize the probability?

By placing underprepared students directly into transfer level courses with a co-requisite model.

And what does within a one-year timeframe mean?

Place students so that they have the best chance to complete a transfer level course in one year. This is not the same thing as setting up a 2 semester pathway.

What AB 705 says:

To deny a student access to transfer-level math (i.e. to place a student into remediation), colleges must prove:

#1: That the student is “highly unlikely” to succeed in transfer-level, as determined by placement research that includes their HS grades

AND

#2: That placing a student into a remedial course will give them the best chance of completing transfer-level math within one year

The placement research will take time to identify this criteria.

Ex: If a student is placed and does not succeed in 2 semesters, we will need to collect data and see if there is any correlation.

What AB 705 says:

In the Past: Students need to prove they belong in a class. (Accuplacer or with a pre-requisite)

Now: Colleges need to prove students do not belong in the transfer level course and would be better off taking remedial math courses.

The Burden of Proof is now on US!

Based on MMAP, these students were placed directly into Statistics:

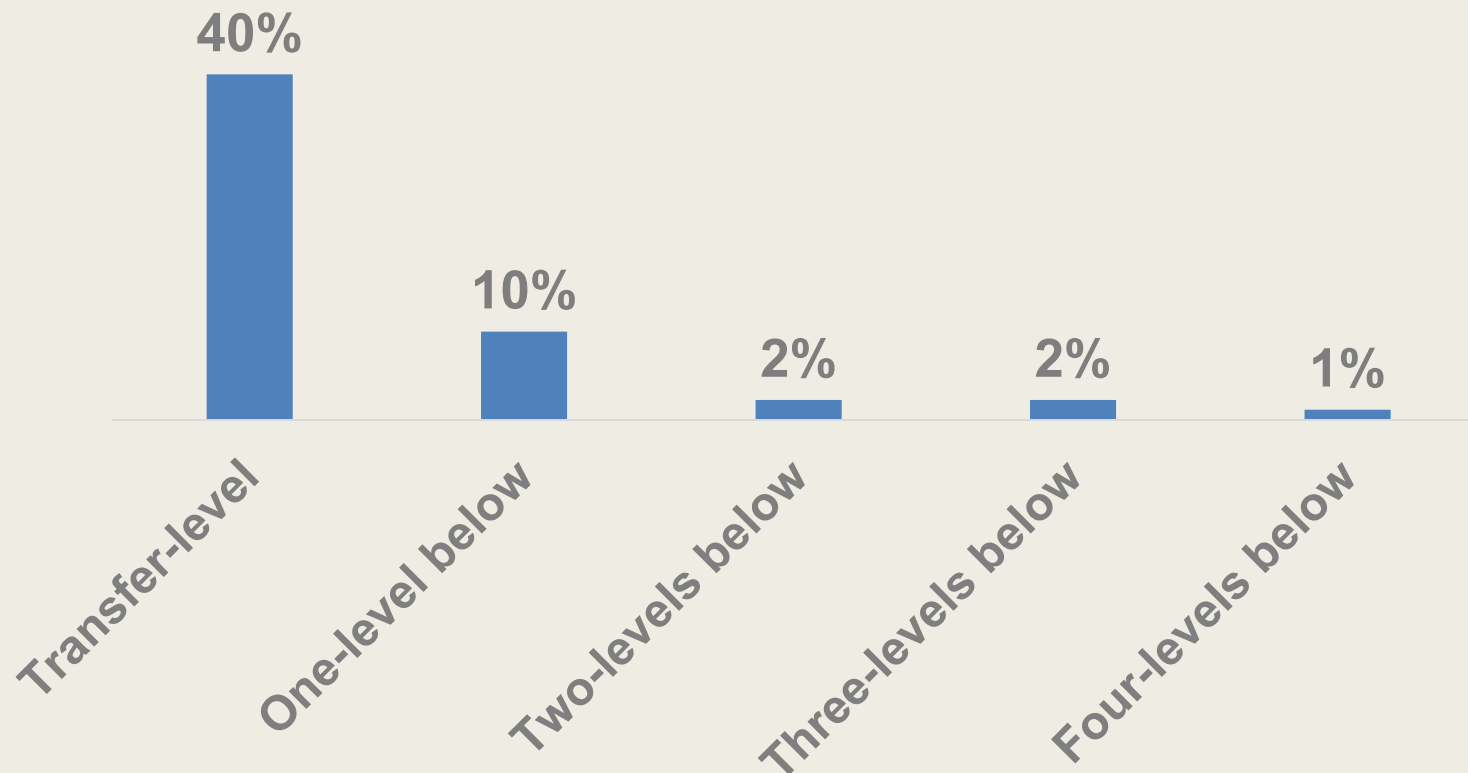
Statewide Research from Multiple Measures Assessment Project

High School Criteria	Average Success Rate in Statistics
GPA 3.0 (62% of students in statewide sample)	80%
$2.3 \leq \text{GPA} < 3.0$ & C or higher in PreCalculus (4% of students in statewide sample)	70%
$2.3 \leq \text{GPA} < 3.0$ & C or higher in Algebra II (12% of students in statewide sample)	58%
$2.3 \leq \text{GPA} < 3.0$ & did NOT pass Algebra II with C or higher (10% of students in statewide sample)	49%
GPA < 2.3 (12% of students in statewide sample)	40%

Adapted from Educational Results Partnership & The RP Group presentation

For the lowest GPA group, what placement maximizes the probability of completing Statistics within a year?

One-year Math throughput rate by placement level for students with < 2.3 HS GPA



Adapted from Educational Results Partnership & The RP Group presentation

Based on MMAP, these students were placed directly into Precalculus:

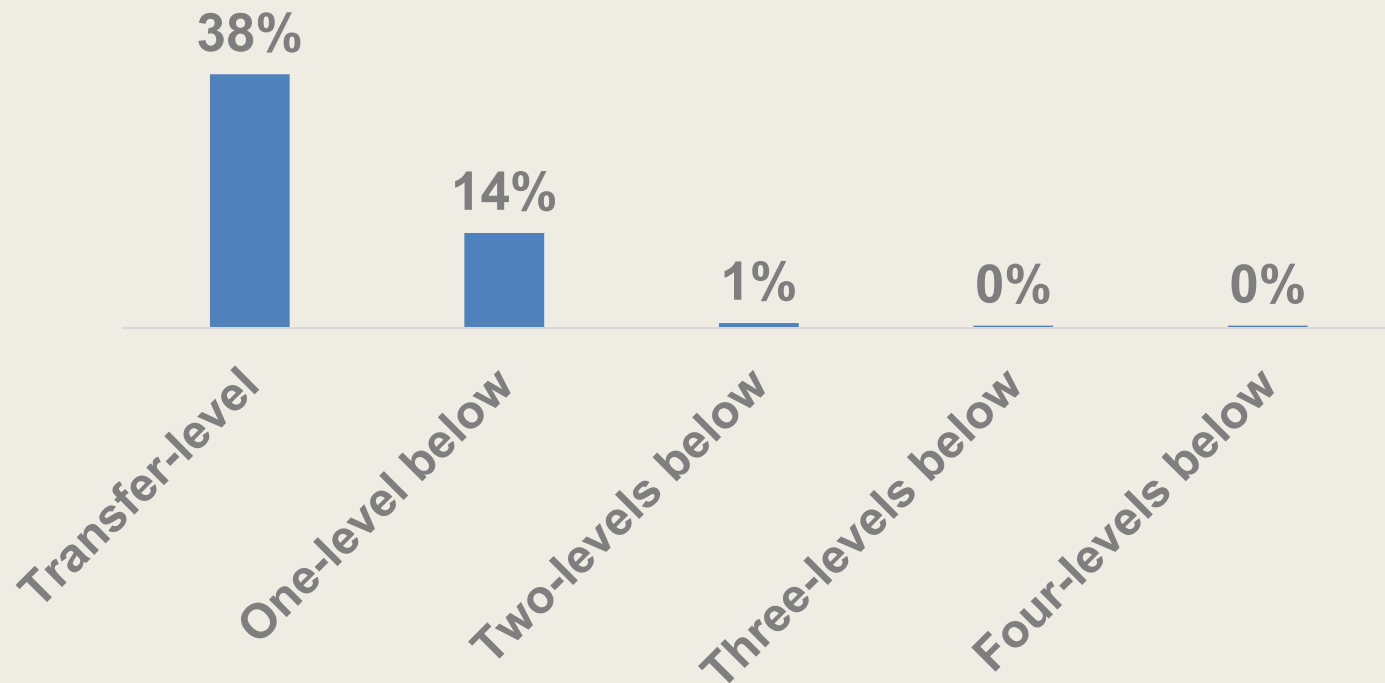
Statewide Research from Multiple Measures Assessment Project

High School Criteria	Average Success Rate in PreCalculus
GPA \geq 3.4 (23% of students in statewide sample)	78%
3.1 \leq GPA $<$ 3.4 (21% of students in statewide sample)	67%
2.6 \leq GPA $<$ 3.1 (36% of students in statewide sample)	56%
GPA $<$ 2.6 & PreCalculus (5% of students in statewide sample)	49%
GPA $<$ 2.6 & NO PreCalculus (16% of students in statewide sample)	38%

Adapted from Educational Results Partnership & The RP Group presentation

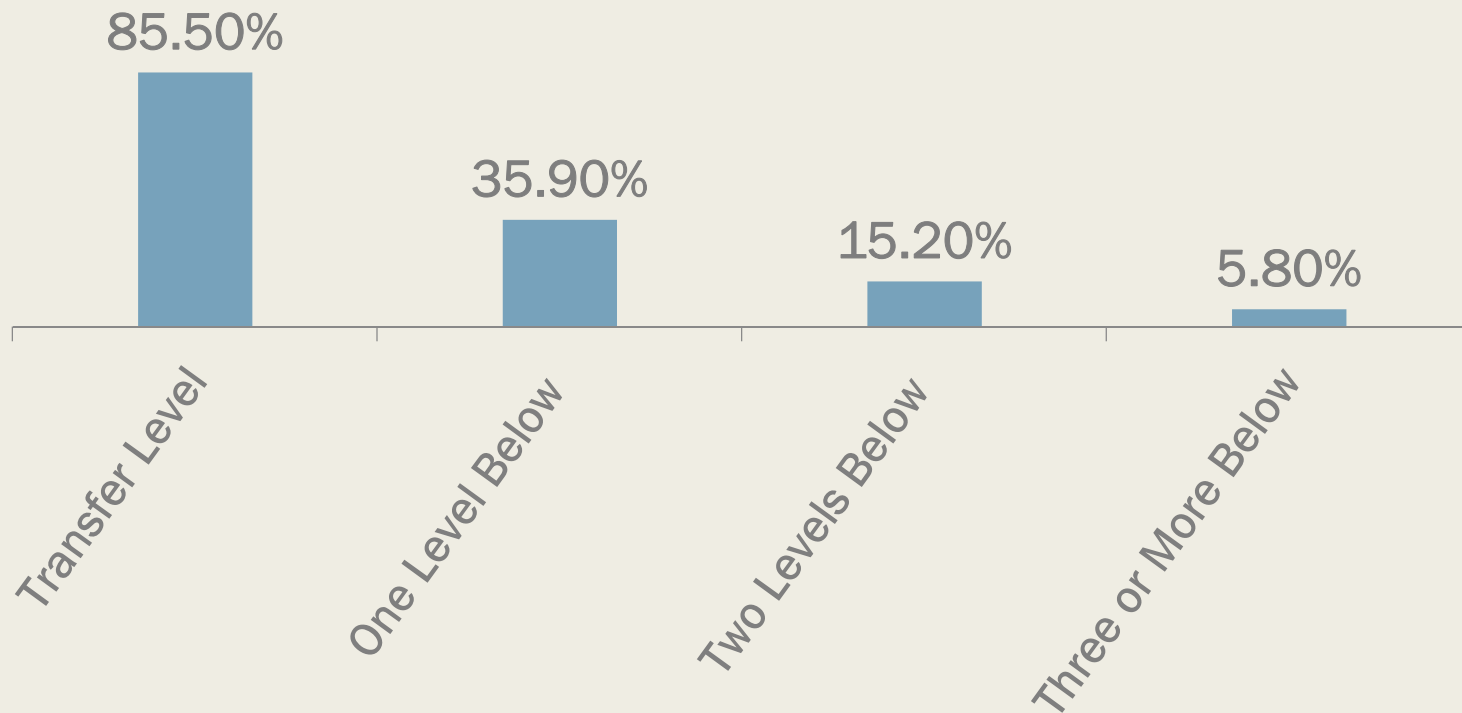
For the lowest group, what placement maximizes the probability of completing PreCalculus within a year?

One-year B-STEM throughput rate by placement level for students with < 2.6 HS GPA & no HS PreCalculus



But what about at Norco College?

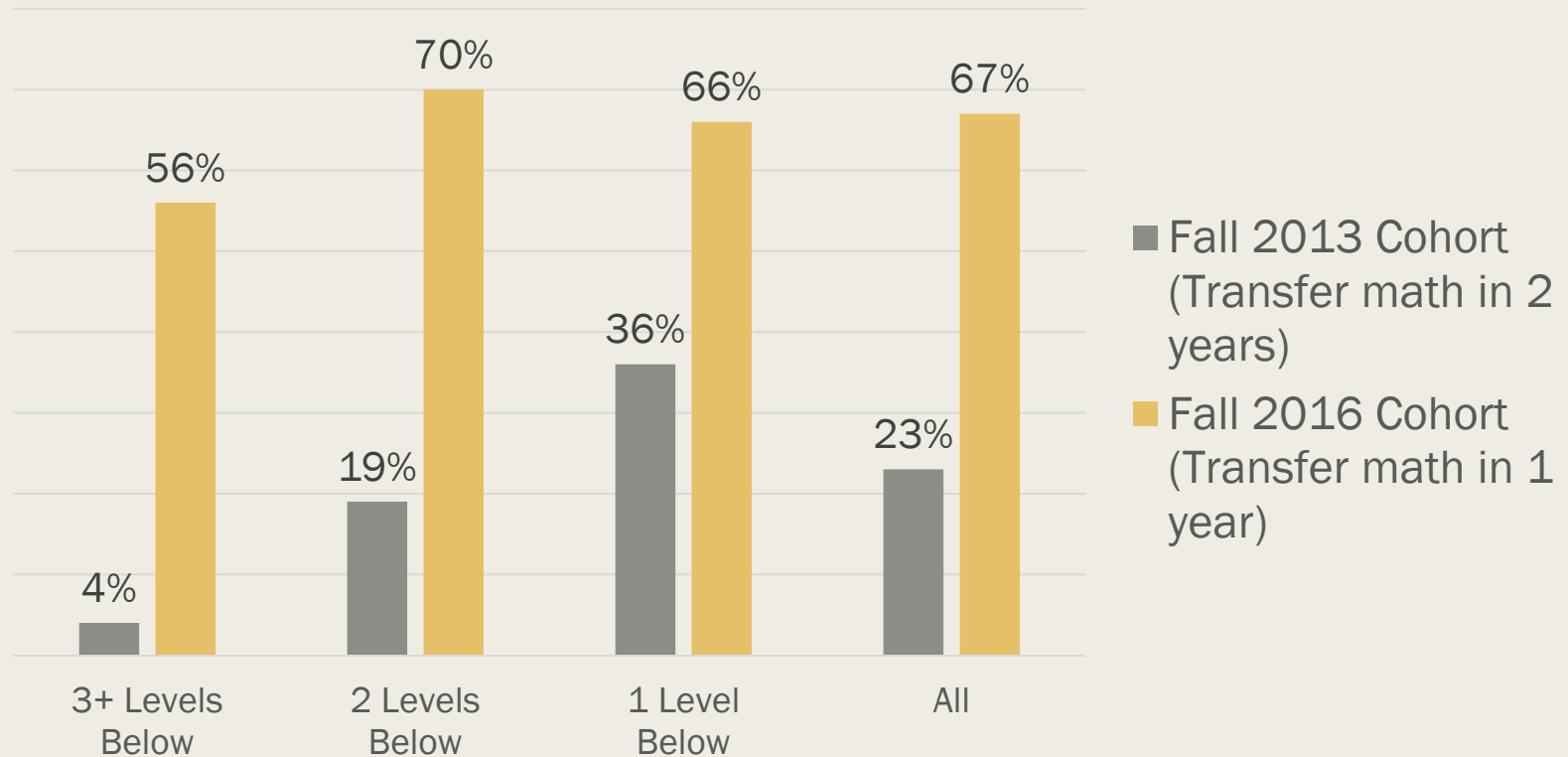
Norco College Fall 2015 - Spring 2017:
Completion of Transfer Level Math Coursework in 2 Years



This is all students, not just those with the lowest GPA AND over 2 years.

Gateway Momentum in Math at Cuyamaca

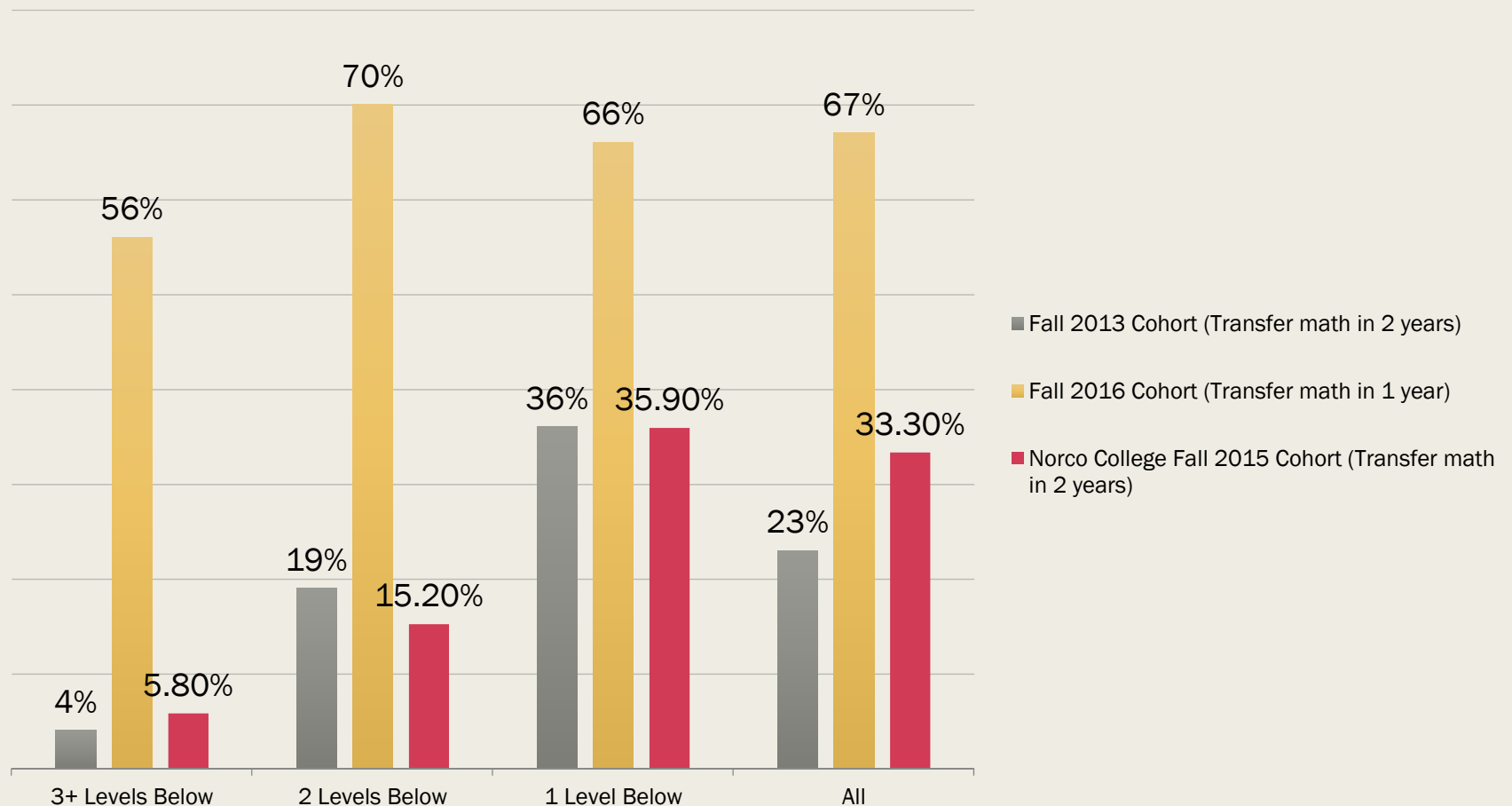
Completion of transfer-level math before and after change by assessment level



Adapted from Educational Results Partnership & The RP Group presentation

So where are we again?

Completion of transfer-level math before and after change by assessment level



Adapted from Educational Results Partnership & The RP Group presentation

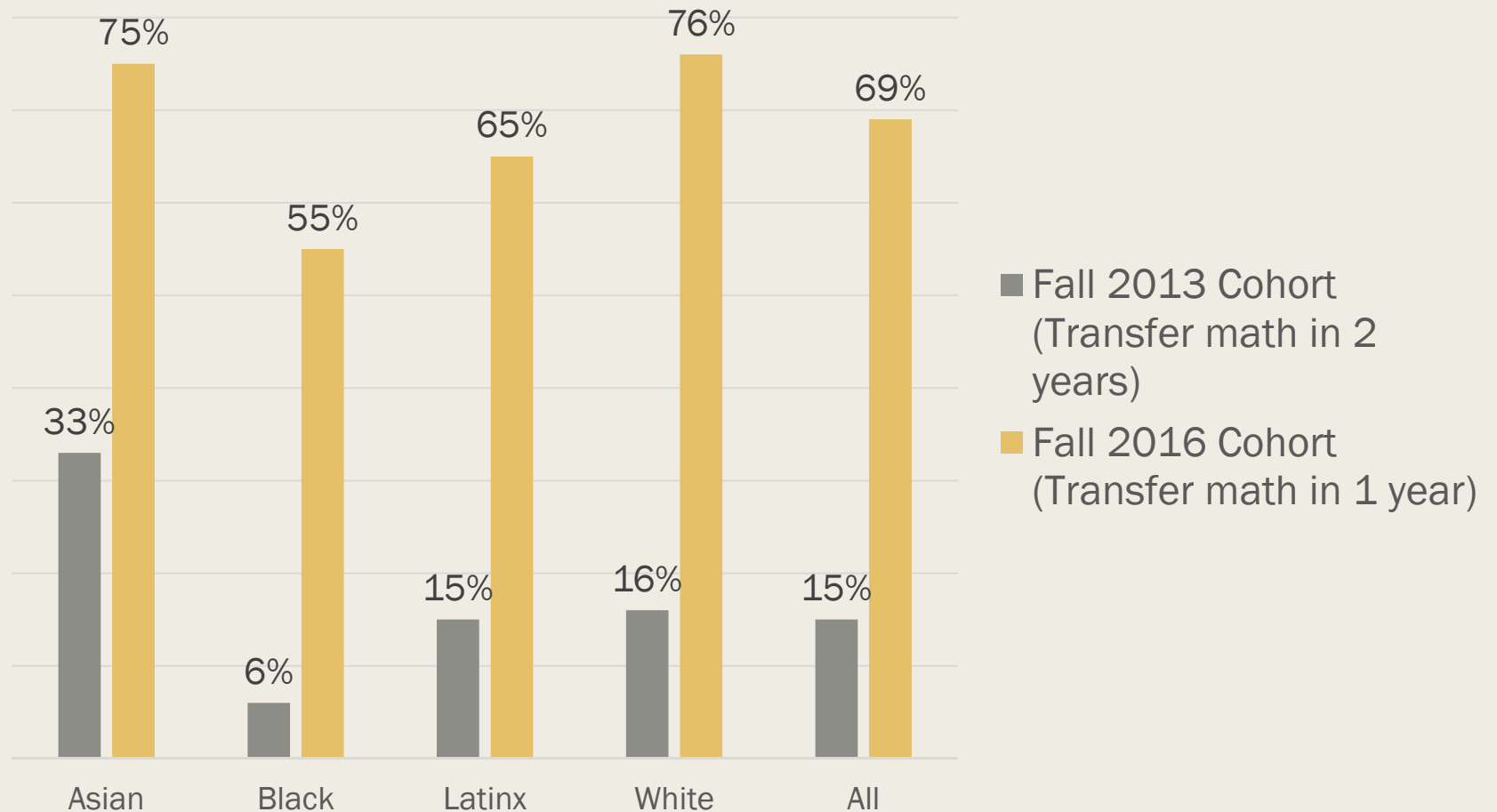
What about equity? Here is Norco College:

Fall 2017: Incoming students who participated in placement & enrolled in any course				
	Eligible for transfer level	Eligible for 1 Level Below	Eligible for 2 Levels Below	Eligible for 3+ Levels Below
All	53.60%	20.40%	17.10%	8.90%
African American	44.80%	21.80%	17.20%	16.10%
Asian	65.80%	14.40%	14.40%	5.40%
Hispanic	50.60%	21.70%	18.10%	9.70%
White	60.60%	18.50%	15.20%	5.70%
Other	70.00%	0.00%	10.00%	20.00%

Who is most effected by being placed into remedial math courses?

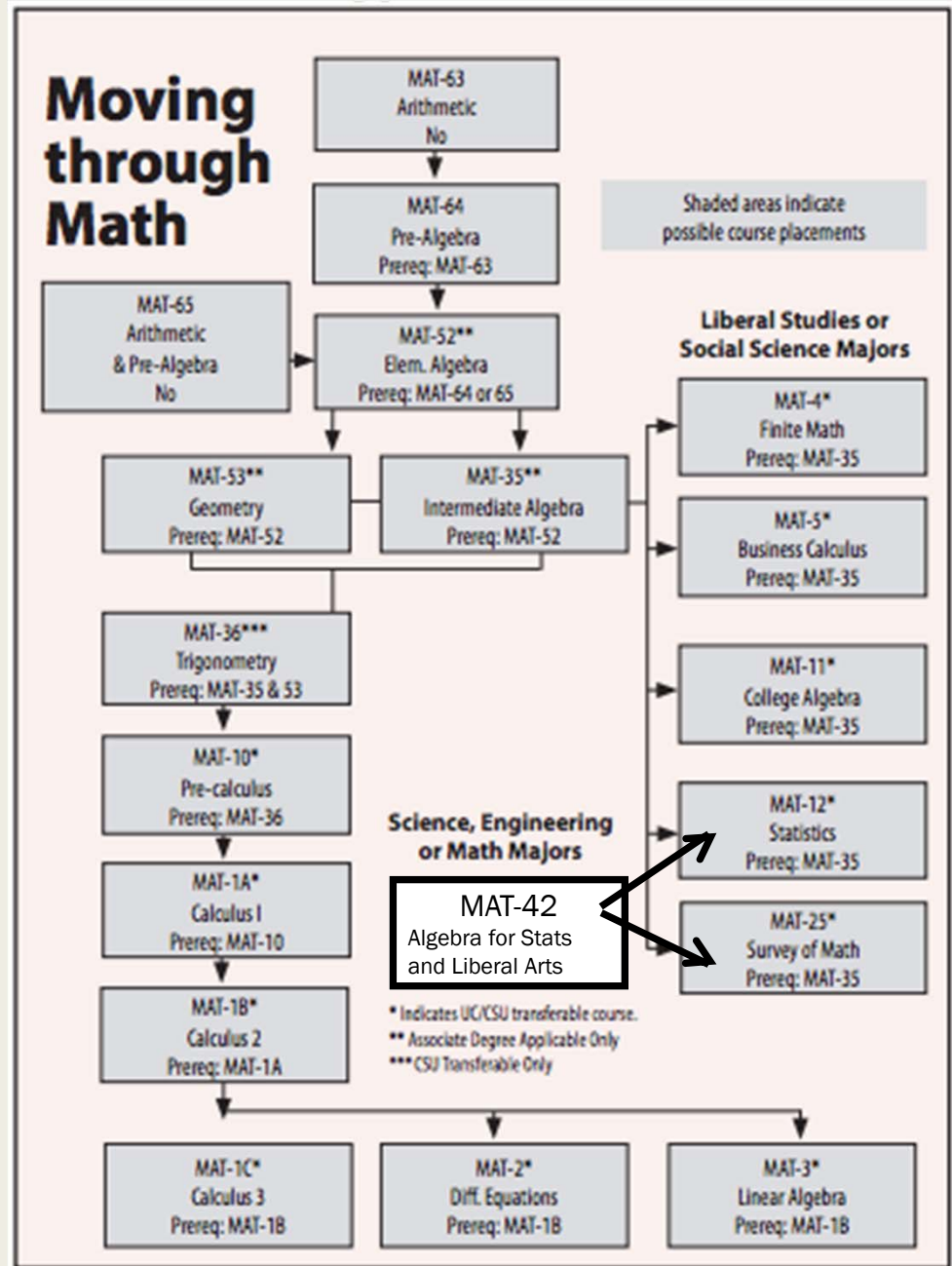
Math at Cuyamaca College

Completion of transfer-level math before and after change by ethnicity

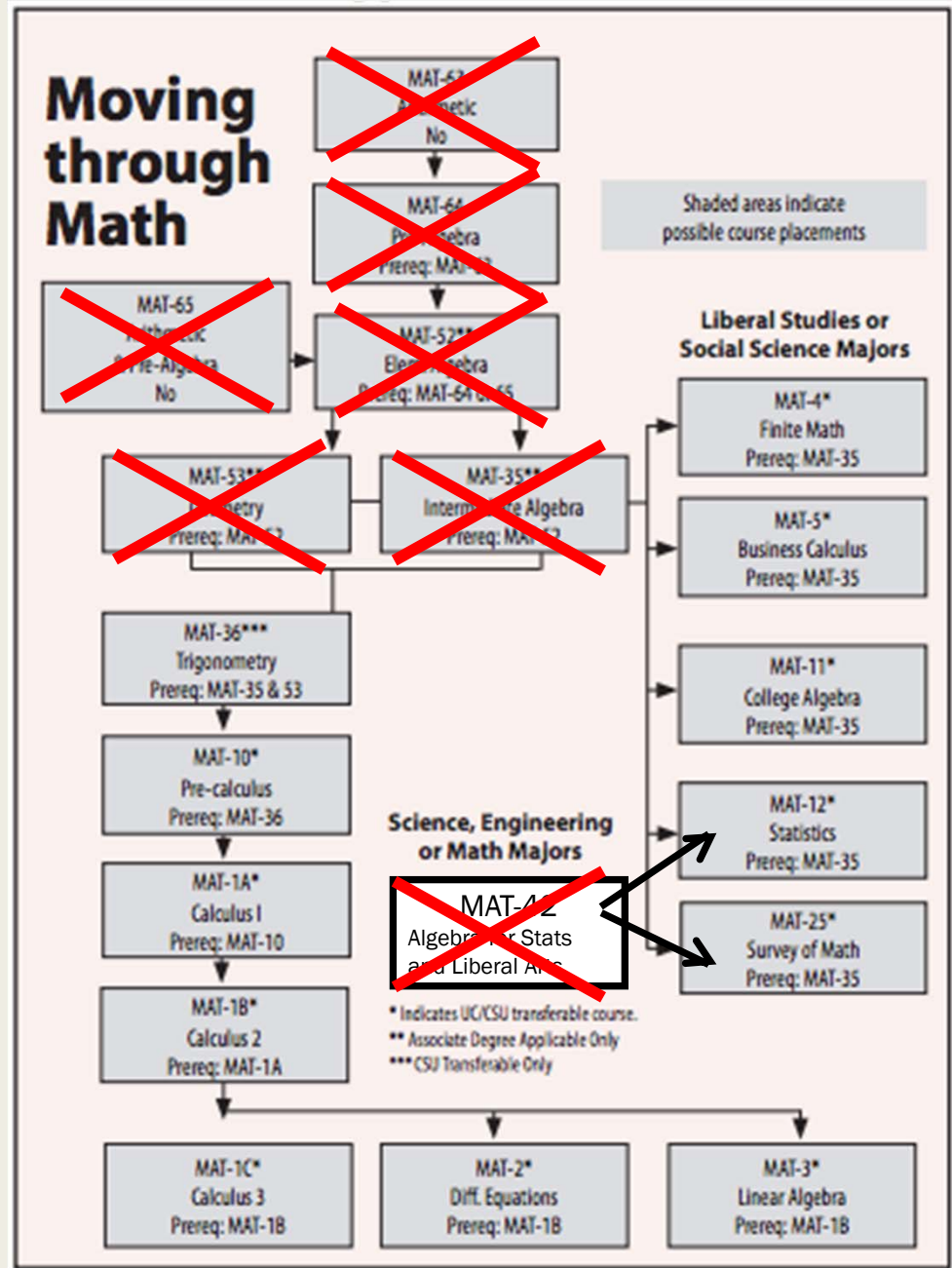


Adapted from Educational Results Partnership & The RP Group presentation

What might our Placement at Norco College look like to be AB 705 Compliant?

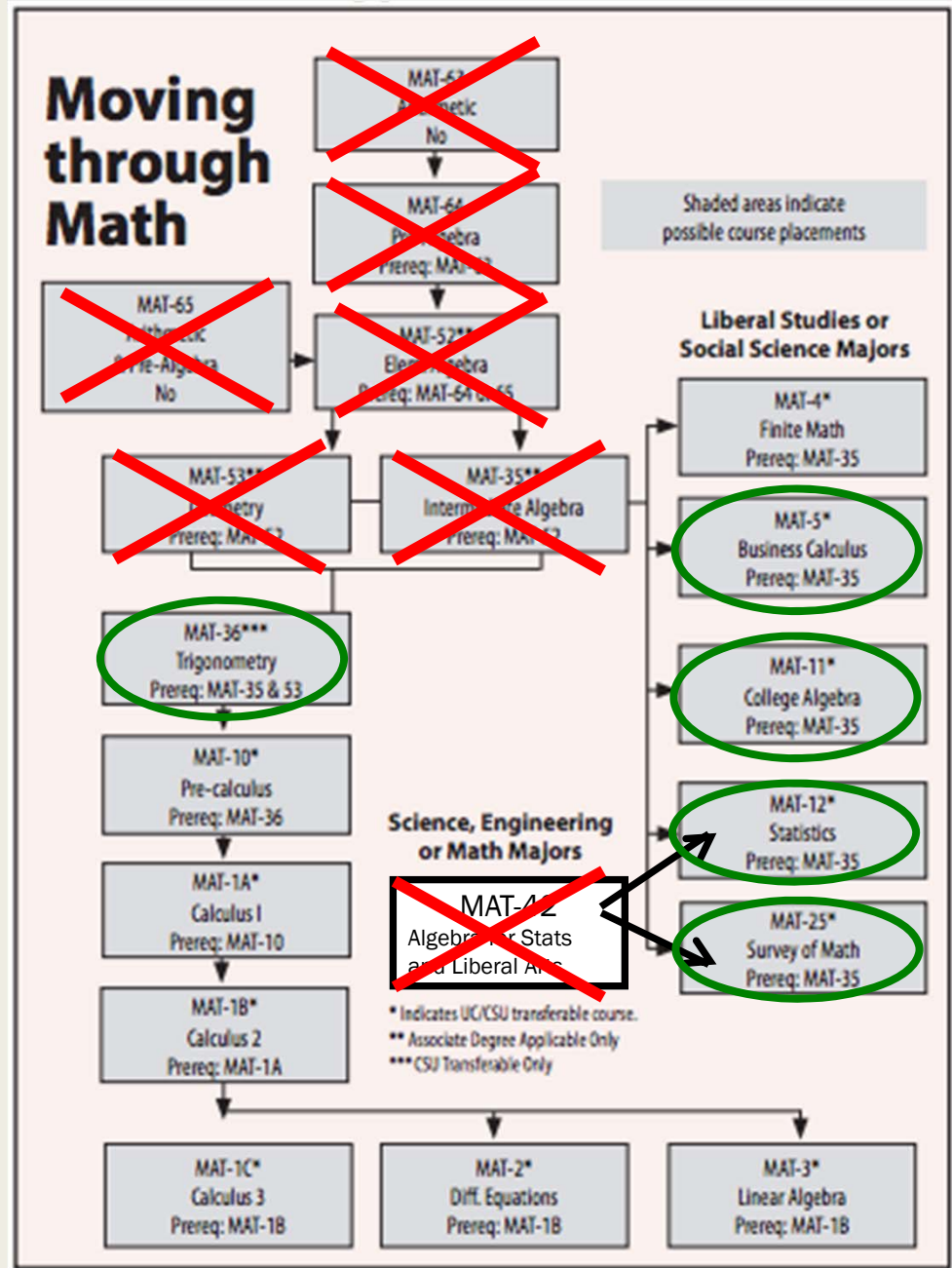


Starting in Fall 2019, students **WILL NOT** be placed in the following :

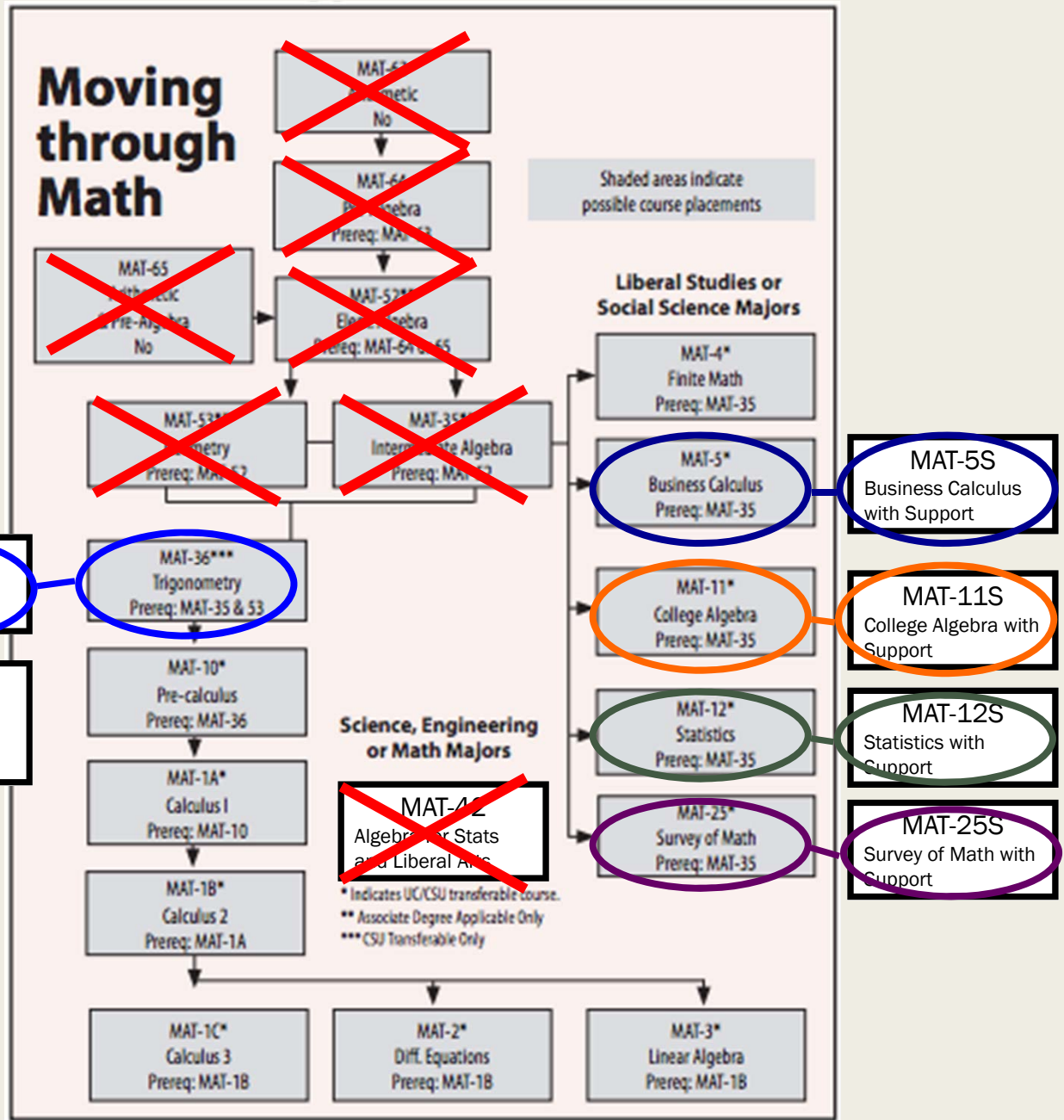


So where will those students be placed instead?

In one of these, but with a co-requisite support course.



Students will actually be placed into the support class through placement, with the idea that we will not be changing the original COR.



RIVERSIDE COMMUNITY COLLEGE DISTRICT PROGRAM OUTLINE of RECORD

College: R__ M__ N_X__

TOPs Code: 0952.20

Facility Maintenance

PROGRAM PREREQUISITE:

None.

DESCRIPTION of PROGRAM

Students will gain skills in: safety standards, technical math, blueprint reading, troubleshooting, preventative maintenance, drive components, lubrication, bearings, wiring methods, hydraulics, pneumatics, basic electricity, technical communication and more. Students will learn and apply maintenance methods to repair and maintain commercial or industrial facilities, including the machinery in buildings, plants, and factory settings.

This program prepares students for jobs such as entry-level facility maintenance technician, field service technician, industrial maintenance technician, maintenance mechanic, or maintenance repair mechanic.

PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students should be able to:

- Demonstrate knowledge of maintenance techniques.
- Apply maintenance fundamentals to simulated and actual workplace applications.
- Recognize, identify, and describe the functions of hand and power tools.
- Troubleshoot and repair a given, complex configuration of maintenance equipment and create a thorough report, including necessary interactions with tools and safety standards.

Required Courses:

	Units
MAN-55: Occupational Safety and Health Administration (OSHA) Standards for General Industry	2
ELE/MAN-69: Fundamentals of Tooling and Test Equipment	2
ELE/MAN-68: Fundamentals of Maintenance	4
ELE/ENE-27: Technical Communications	3
ENE-51: Blueprint Reading	2
ELE/MAN-77: Electrical Theory	3
MAN-60: Hydraulic and Pneumatics Systems	3
ELC-66: National Electrical Code	3
ENE-60: Math for Engineering Technology or	3
MAT-36: Trigonometry	4

Total Units:

25-26

Associate of Science Degree

The Associate of Science Degree in Facility Maintenance will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.