

2015 ORIENTATION KICKOFF: MATH DEPARTMENT UPDATES

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HIGHLIGHTS

- Options for Students Testing below MATH 11000
- UCOL-U 110 Math Pilot
- Curriculum Changes
- ALEKS Math Placement
- Math Course Information and Sequencing
- Dual Credit and Placement
- Math Proficiency Exam Policy
- Advisor Resources

TESTING BELOW MATH 11000

■ Options:

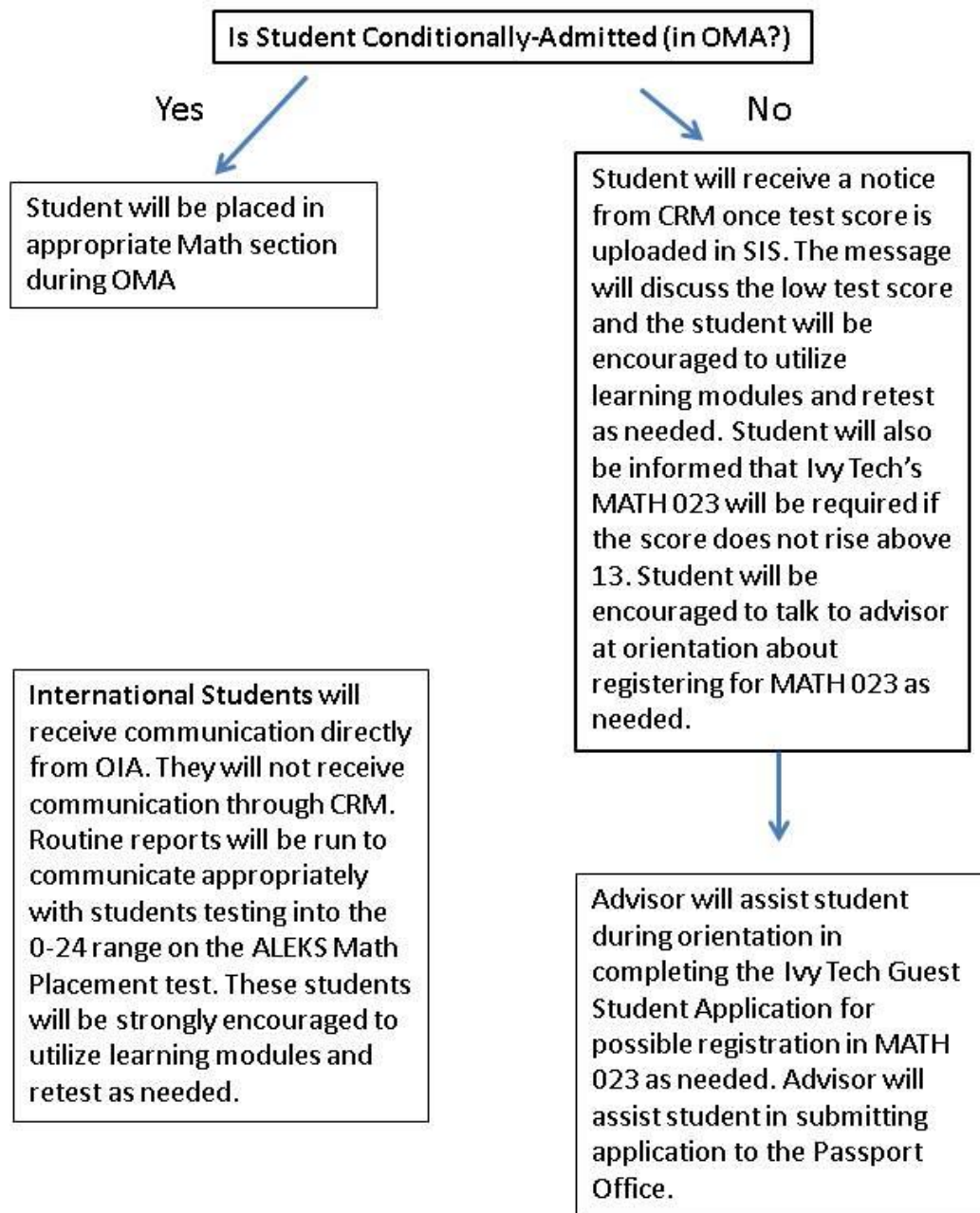
■ 0-13 ALEKS Math Placement Score

- Utilize learning modules and retest up to 4x
- Register for MATH 023 at Ivy Tech
- ❖ Students testing into this range will receive communication through CRM

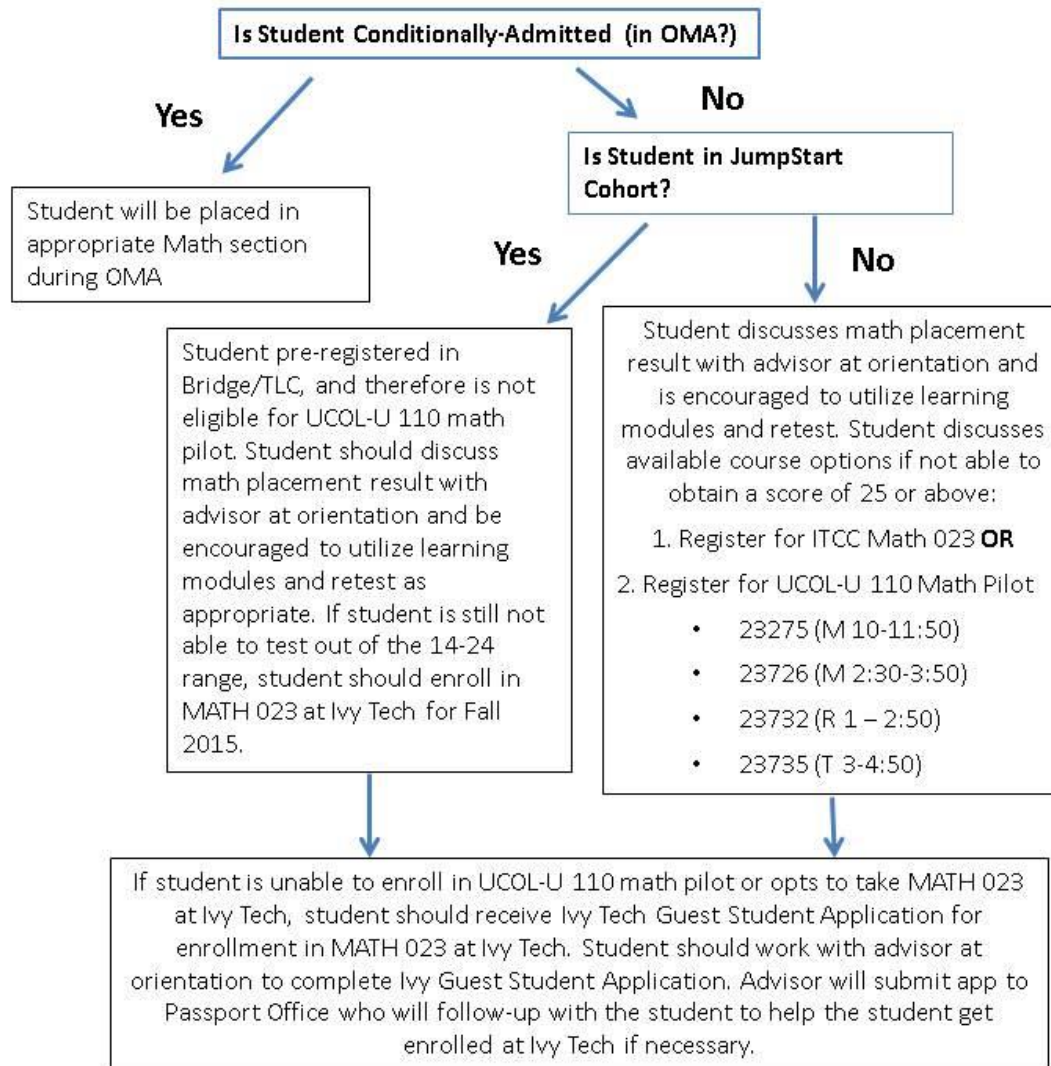
■ 14-24 ALEKS Math Placement Score

- Utilize learning modules and retest up to 4x
- Register for UCOL-U 110 MATH Pilot **OR**
- Register for MATH 023 at Ivy Tech
- ❖ Students testing into this range will not receive communication through CRM

ALEKS SCORE 0-13



ALEKS SCORE 14-24



21st Century Scholars may replace Summer Bridge requirement with UCOL-U 110 Math Pilot course and satisfy mentoring requirement during fall semester as a part of scholarship requirements.

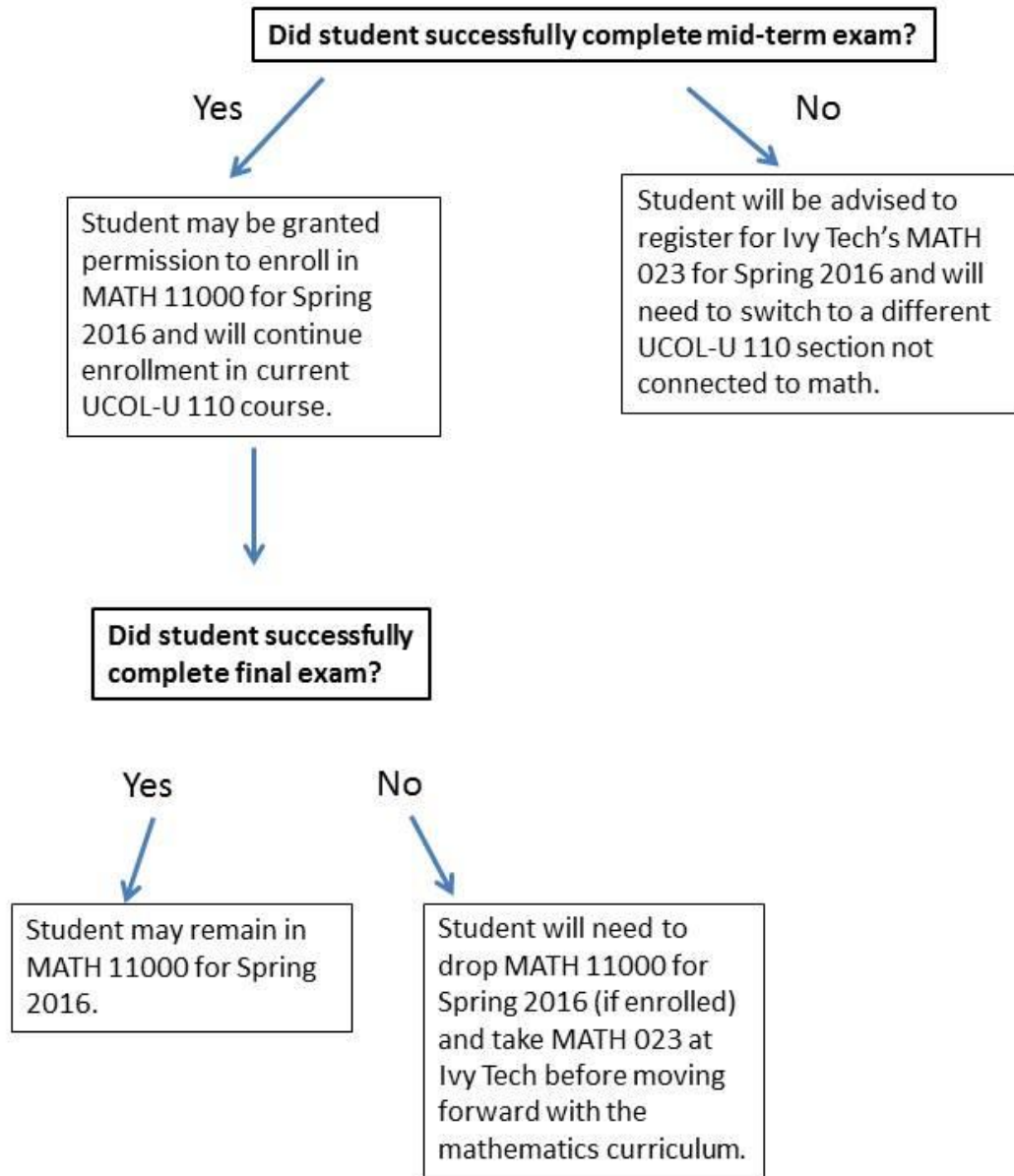
International Students will receive communication directly from OIA to utilize learning modules and retest as needed.

UCOL-U 110 MATH PILOT

- 50% (1cr) of UCOL-U 110 pilot= math prep (MATH 00100 material)
- Serves as prerequisite for MATH 11000 if successfully completed with “C-” or higher

“The math portion of the pilot U110 courses is **online**. The courses will be taught by math faculty and will require a math book and code be purchased. During the 'math hour' students will have an opportunity to bring in questions from the homework assignments, take quizzes over the homework, and review previous material.”

UCOL-U 110 MATH PILOT



MATH 11000 CHANGES

■ MATH 11000

- Effective Fall 2015, will become stretch course for preparation into MATH M118, M119, 13000s, and STAT 30100
- Break-down:
 - 25% Intro to Algebra concepts (11 of 45 days) ($\frac{1}{4}$ th of old MATH 00100 course)
 - 50% Intermediate Algebra concepts (20 of 45 days) ($\frac{1}{2}$ of old MATH 11000)
 - 25% College Level concepts (14 of 45 days) (1 chapter each of M118 and M119)

STUDENTS SWITCHING TRACKS

- ALEKS score 25-34 → MATH 11000 placement
- ALEKS score 35-49 → MATH 11100 placement

- MATH 11000 → MATH 11100 → MATH 15300

ALEKS MATH PLACEMENT TEST

- Meant for incoming students and those who have not yet begun their mathematics curriculum at IUPUI
- All incoming students required to take ALEKS math placement test (even those with dual credit)
 - Exception: Transfer students with math credit within last 2 years
- \$50 fee assessed for ALEKS test
 - Fee includes 5 ALEKS math placement test attempts and learning modules, as well as world language online placement tests

MATH COURSE INFO & SEQUENCING

- **MATH M118**
 - No time limit on prerequisite course

- **MATH M118 vs. M119**
 - Both require intermediate algebra (11000 or equivalent) as prereq
 - Different reasons:
 - MATH M118: for mathematical maturity
 - MATH M119: for algebra content
 - M119 suggested to be taken asap after successful completion of placement test/prerequisite course

MATH COURSE INFO & SEQUENCING (CONT)

■ MATH 15900

- Meant for students who have already studied pre-calc but need a review before entering Calc 1
- If student had not previously studied pre-calc, recommend MATH 15300 and 15400

■ Take MATH in FIRST semester

- Students should be encouraged to take a math course every semester, beginning with the first semester of enrollment, until math requirements are completed for degree

STUDENTS WITH DUAL CREDIT

- What do we mean by students with “dual credit?”
 - Students who take a high school course and receive college credit for it
- How do you determine whether or not a student has dual credit?
 - Ask student
 - Review HS transcripts
- Students with transfer dual credit are treated the same as all other beginning students:
 - Must take math placement test
 - Must follow results of math placement test (regardless of credit earned through dual credit)

HOW TO HANDLE PLACEMENT FOR STUDENTS WITH DUAL CREDIT

Scenario A:

Student transfers dual credit for MATH 15300. Student places into MATH 11100. Student is pre-Biology B.A. major and needs both MATH 15300 and 15400 credit for her degree.

Student must take MATH 11100 before progressing in her math curriculum.

HOW TO HANDLE PLACEMENT FOR STUDENTS WITH DUAL CREDIT

Scenario B:

Student transfers dual credit for MATH M118. Student places into MATH 11000. Student is a nursing major and only needs MATH M118 credit for her degree.

Student does not need to take further math courses if not required by her degree.

HOWEVER: If student changes her major and needs additional math such as MATH M119 or MATH 15300, she will need to follow the result of the mathematics placement test or retest as needed.

EXCEPTIONS TO THE RULE

- Math Proficiency Exam may be used if student's placement score is lower than student's transferred credit
- If student is determined that s/he was misplaced and wishes to take the proficiency exam, direct student to LD 270, info@math.iupui.edu or 317-274-6918.
- Keep in mind, students who take the proficiency exam are generally unsuccessful unless they have recently studied the material and done well.
- An ALEKS retest may also be a viable option!

MATH PROFICIENCY EXAM POLICY

- Students eligible to take the proficiency exam:
 - Transfer student with similar but not equivalent credit to a math course at IUPUI
 - Student who successfully completed the course, but it has been over 2 years and student is attempting to validate knowledge of material
 - Student took higher level courses previously but tested low on the math placement test
 - Other cases may apply
- Students who may not be eligible to take the proficiency exam:
 - Students who did not obtain the necessary prerequisite grade and are attempting to “bypass” retaking the course (this includes “C-” grades)
 - Students who have not taken the course previously
 - Other cases may apply

RESOURCES FOR ADVISORS

- Where to locate most up-to-date placement and other math information
 - <http://math.iupui.edu/advisor-portal>
 - <http://jacada.iupui.edu/>
 - Scroll over “Advisor Orientation Guidebook” at the top then “Placement Testing” then click “MATH.”
- Items found on website:
 - Math Course Authorization Form
 - Math Department Policy On Prerequisite Checks
 - Math Placement Test Information
 - Math Proficiency/Credit By Exam Information
 - Math Course Information
 - Drop-back/move-up policy

CONTACT INFORMATION

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