Welcome to Academic Advising
Tutorial--Mathematics

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Exemptions from the Math Portion of Accuplacer (CPT)

- Students with a score of **500 or higher** in the Math portion of the SAT within the last five years are exempt from the Math portion of the College Placement Test.
Reading XTRI on Colleague
Understanding its Peculiar Logic
Math Placement

- Whenever MAT 013 and MAT 014 are seen together, the student has an SAT score—find the SAT score in Colleague and check the grid in the Manual for placement. This grid can be found at http://www.middlesexcc.edu/manual/control.cfm/ID/1725.

- Even if a student performs brilliantly on the CPT, Colleague will only show MAT 013—check the raw math scores for proper placement.

- Whenever MAT 001 and MAT 002 are seen together—find the raw math scores in Colleague and check the grid in the Manual for possible placement in a combination math class.

- Whenever MAT 010 and MAT 002 are seen together, this indicates that the student needs MAT 013.
Challenge Tests for Accuplacer (CPT)

Students may challenge their placement under the following conditions:

- Developmental math—student initiative is permitted until the week prior to the beginning of the session; through the first week of the semester is permitted in the class.
The Intricacies of Math Advising
Part I

It is imperative to know the correct CPT or SAT math scores for a student. Find the scores in Colleague and use the grid in the Advisors’ Manual.

- Be aware of the “combination” math classes—MAT 009/013A or MAT 009/013. These combinations can be found in the grid at http://www.middlesexcc.edu/manual/control.cfm/ID/1725
- Note that MAT 080-50/014-50 is a combination of MAT 013 and MAT 014. These students will have an invitation letter from the Math Department.
- Remember that some majors have MAT 014 as a prerequisite.
- Recognize that MAT 010, 013, 014, 129 and 131 have two semester variations.
- Keep in mind that students may change to the “A” version of these math classes during the first three weeks of a semester.
- Consider transfer possibilities when discussing math classes and refer students to the Office of Counseling and Career Services in ED 100.
The Intricacies of Math Advising
Part II

- Students seeking MAT 129 (Precalculus) **without** the sufficient SAT score of 550 **need to take** the diagnostic test offered in the Testing Center.
- Students receiving a “C” or “C+” in MAT 014 **must** take the two semester variation of MAT 129.
- Students in curricula requiring a three-credit math such as BUS 115 or MAT 101 and who want to take a higher level math may do so with the proper prerequisites.

Certain math classes are available in computer-assisted or Internet formats. There is also a hybrid format (HD).
General Observations
Developmental Classes—Part I

- “D’s don’t do it.” Any developmental math class with that grade must be retaken. Students are permitted to enroll for the next level of math before learning their final grade. These students must be proactive to change their course if the prerequisite course is unsuccessful.

- Students **must** include developmental classes as part of their registration until they are completed.

- Students needing developmental classes may carry **no more than 15 credit/credit equivalents in a semester**. Dean’s permission is needed for students who want to exceed that limit.

- If a situation arises where a student cannot register for a developmental course (late in the enrollment cycle when a time or section may be unavailable), **please remember to complete a Request for Registration Waiver Form. Please do not use the registration form itself as the document for the deferral. This will be of enormous assistance in the non-compliance process.**
Developmental Classes and SSD 101

- **New** students who have placed in **any two** of the following classes—RDG 011, ENG 009 or ENG 010, MAT 010 or MAT 013—are required to enroll in SSD 101.

- Part time students must include the SSD 101 course. If a student in this situation wants only **one** course, the student should register for the appropriate RDG or ENG or MAT.

- All other new students may enroll in SSD 101.
Curricula that **Require** MAT 014

- Biology Pre-Professional
- Biology Transfer
- Business Administration Transfer
- Chemistry Transfer
- Civil/Construction Engineering Technology (Degree and Certificate)
- Civil/Construction Engineering Technology—Land Surveying Option
- Computer Aided Drafting Certificate
- Computer Science—CSI, CSNN, and Transfer
- Computer Science Certificates—(Information Systems Security; Internet and Web Page Development; Network Administration; Programming; Windows/PC Support)
- Electronic and Computer Engineering Technology (Degree and Certificate)
- Engineering Science
- Mathematics Transfer
- Mechanical Engineering Technology
- Mecomtronics Engineering Technology
- Physics Transfer
- Respiratory Care
Curricula that **Require** MAT 129

- Biology Pre-Professional
- Biology Transfer
- Business Administration Transfer
- Chemistry Transfer
- Civil/Construction Engineering Technology (Degree and Certificate)
- Civil/Construction Engineering Technology—Land Surveying Option
- Computer Science—CSI, CSNN, and Transfer (Students in the CSI and CSNN majors can substitute the MAT 116-123 sequence.)
- Computer Science Technical Certificates (Information Systems Security; Internet and Web Page Development; Network Administration; Programming; Windows/PC Support)
- Electronic and Computer Engineering Technology (Degree and Certificate)
- Engineering Science
- Liberal Art—Business Option
- Mathematics Transfer
- Mechanical Engineering Technology
- Physics Transfer
Course Selection Exercises

In the next four screens, you will have the math scores (either SAT or CPT) for students who wish to matriculate as Liberal Arts—Business option or Open College Nursing or Accounting majors. Looking at the grid http://www.middlesexcc.edu/manual/control.cfm/ID/1725, choose the correct math placement for each student.
Course Selection Exercise
Student #1(answers on Screen 16)

LABUS  OCNUR  ACC

<table>
<thead>
<tr>
<th>High School Grades from Colleague’s NCWS screen</th>
<th>CPT Results from Colleague’s XTRI and TSUM screens—No SAT scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>➢ BIOL-D</td>
<td>➢ RDG 011</td>
</tr>
<tr>
<td>➢ CHML-C</td>
<td>➢ ENG 010</td>
</tr>
<tr>
<td>➢ SCIN-A</td>
<td>➢ MAT 013</td>
</tr>
<tr>
<td>➢ ALG1-C</td>
<td>➢ CPTZ.ALG1 93</td>
</tr>
<tr>
<td>➢ ALG2-B+</td>
<td>➢ CPTZ.CLM 27</td>
</tr>
<tr>
<td>➢ PRECALC-now</td>
<td></td>
</tr>
</tbody>
</table>
# Course Selection Exercise

Student #2 (answers on Screen 17)

**LABUS  OCNUR  ACC**

## High School Grades from Colleague’s NCWS screen
- **BIOL-C**
- **PHYL-B+**
- **ALG1-B**
- **ALG2-C**

## CPT Results from Colleague’s XTRI screen—SAT Math score from the TSUM screen
- **RDG 009**
- **ENG 010**
- **MAT 013**
- **MAT 014**
- **SATM 530**
Course Selection Exercise
Student #3 (answers on Screen 18)
LABUS  OCNUR  ACC

High School Grades from Colleague’s NCWS screen
- CHMN-A
- PHYN-B+
- ALG1-D
- ALG2-D

CPT Results from Colleague’s XTRI and TSUM screens—No SAT scores
- RDG 009
- ENG 009
- MAT 013
- CPTZ.ALG1 75
- CPTZ.CLM 10
## Course Selection Exercise

**Student #4 (answers on Screen 19)**

**LABUS  OCNUR  ACC**

### High School Grades from Colleague’s NCWS screen
- BIO L-C-
- CHML-C-
- SCIN-B
- ALG1-B

### CPT Results from Colleague’s XTRI and TSUM screens—No SAT scores
- RDG 011
- ENG 010
- CPTZ.ARI 73
- CPTZ.ALG1 28
Answers for Student #1

- LABUS--MAT 129A
- OCNUR--No developmental math classes are needed. While the Nursing program requires no math, the student may want to inquire with the Office of Counseling and Career Services about the possibility of MAT 123 or MAT 129A for the next institution.
- ACC--BUS 115 or MAT 123 or MAT 129A
- Were you incorrect? Please check http://www.middlesexcc.edu/manual/control.cfm/ID/1725
Answers for Student #2

- LABUS--An SAT Math of 530 requires a precalculus diagnostic test for LABUS.AA.
- OCNUR--No developmental math classes are needed. While the Nursing program requires no math, the student may want to inquire with the Office of Counseling and Career Services about the possibility of MAT 123 for the next institution.
- ACC—BUS 115 or MAT 123
- Were you incorrect? Please check http://www.middlesexcc.edu/manual/control.cfm/ID/1725
Answers for Student #3

- LABUS—MAT 014
- OCNUR-- No developmental math classes are needed. While the Nursing program requires no math, the student may want to inquire with the Office of Counseling and Career Services about the possibility of taking MAT 014 in preparation for math at the next institution.
- ACC—MAT 014 or BUS 115
- Were you incorrect? Please check http://www.middlesexcc.edu/manual/control.cfm/ID/1725
Answers for Student #4

- LABUS—MAT 013
- OCNUR—MAT 013
- ACC—MAT 013
- Were you incorrect? Please check http://www.middlesexcc.edu/manual/control.cfm/ID/1725