

# Student Achievement Coding

*as of August 2015*

## DATA PRINCIPLES

- Keep all calculations as transparent as possible.
- Colleges can replicate all points.
- Only students enrolled during the cohort year at the college are included.
- Criteria is applied to all colleges consistently.

## SUMMARY OF CHANGES

- Who is included?
  - Existing metrics
    - Everyone from SMIS except international and Department of Corrections students
    - Also included Tech Prep and L&I Apprenticeship completers from secondary data sources
  - Revised metrics
    - All state-supported, award seeking and running start students from SMIS except international and Department of Corrections students
    - Excludes non-state non-award seeking students
    - No secondary data sources used to identify students

## WHO IS IN SAI?

### Students Included:

- All State-Supported Students
  - Student table FUND\_SOURCE\_PRIORITY\_CATEGORY = 1
- Non-State Award Seeking Students
  - Student table FUND\_SOURCE\_PRIORITY\_CATEGORY <> 1
  - and INTENT A, B, G, F, H, I, or M
- Running Start Students
  - Student table RUNNING\_START\_STATUS = 1

## WHO IS NOT IN SAI?

### Students Excluded:

- International Students
  - Student table INTERNATIONAL\_STUDENT = Y
- Department of Corrections Students
  - Stuclass table KIND\_OF\_ENROLLMENT = 38

## OTHER CHANGES

- Points based on credits earned from the college, no longer using system wide transcript.
- All college level courses must have a minimum decimal grade of 1.0 or better, or a letter grade of P, S or CR.
- All pre-college developmental courses must have a minimum decimal grade of 2.0 or better, or a letter grade of P or S.
- Basic Skills Students – Current or previous basic skills students are given an extra point for each point they achieve beyond basic skills. Previous basic skills students include those enrolled during the previous two academic years. For example, if the cohort year is 2012-13 and a student is enrolled in basic skills in 2010-11, they will be flagged as previous basic skills.



## POINT CALCULATION OVERVIEW

- **No modifications to the calculation of:**
  - Basic Skills Points
  - 15 College Level Credits
  - 30 College Level Credits
- **Modified calculation of:**
  - College Ready Math and English Points
  - Quantitative Point
  - Completion Point
- **New Points:**
  - Retention Point
  - 45 College Level Credits
  - Transition Point for Basic Skills

## BASIC SKILLS POINTS

- **Point Accumulation:**
  - One point is awarded for each CASAS point gain made by a student
  - Multiple points may be earned by each student
- **Source**
  - WABERS Database
    - FederallyReportable = Yes
- **Calculation:**
  - Step 1: Highest CASAS post-test score minus pre-test score in same subject.
  - Step 2: If pre-test is 210 or less, divide the difference by 5. If pre-test is 211 or higher, divide the difference by 3.
  - Students may also earn 1 additional point for earning their high school diploma or equivalency.



## COLLEGE READY MATH POINTS

- **Point Accumulation**

- Awarded 3 points for completing highest level
- Awarded 1 additional point for completing college level math during the current year
  - Awarded if pre-college was earned in the current or previous year
- Current or previous basic skills students will earn one additional point

- **Source**

- Data Warehouse Transcripts table
- Linked to the College's Pre-College Math Course Listing

## COLLEGE READY MATH

- Example of Course Listing:

<u>DEPT_DIV</u>	<u>COURSE_NUM</u>	<u>LEVEL</u>
MAT	070	1
MAT	075	1
MAT	080	1
MATH	085	2
MATH	097	2
MATH	098	3
MATH	099	4

- Pulled from transcripts table for courses specified where:
  - EARN\_IND = Y
  - GR\_DEC  $\geq$  2.0 OR GR = S or P
  - CIP = 33\*

## ***CODING CHALLENGE***

- Some prof/tech programs do not require the highest level of pre-college math.
- To correct for this:
  - Any student who does not complete the highest level of pre-college math....
  - But attempts pre-college math in the current or previous year....
  - And who earns the Quant Point in the current year....
  - **Will Earn the full 4 points in the current year**
- Students to enroll in a “bucket” or accelerated outcome course who complete the course at college level will earn the full 4 points.

## COLLEGE READY ENGLISH

- **Point Accumulation**
  - Awarded 2 points for completing highest level
  - Awarded 1 additional point for completing college level English
    - Awarded if pre-college was earned in the current or previous year
  - Current or previous basic skills students will earn one additional point
- **Source**
  - Data Warehouse Transcripts table
  - Linked to the college's pre-college English course listing table

## COLLEGE READY ENGLISH

- Pulled from Transcripts Table for courses specified by the college where:
  - EARN\_IND = Y
  - CIP = 33\*
  - GR\_DEC  $\geq$  2.0 OR GR = S or P

## COLLEGE LEVEL ENGLISH

- **Point Accumulation**
  - Not a specific momentum point
  - Used to award transition point for College Ready English
- **Academic English Source**
  - Data Warehouse Transcripts table
    - ENGL& 101\*
    - CLVL\_IND = Y
    - EARN\_IND = Y
    - CIP NOT LIKE 33\*
    - GR\_DEC >= 1.0 OR GR = S, P OR CR



## COLLEGE LEVEL ENGLISH (CONT.)

- Example of professional/technical English course listing

<u>DEPT DIV</u>	<u>COURSE NUM</u>
ENGL	100
ENGL	150
ENGL	170
ENGL&	235
ENGL&	235

- Source
  - For students with Intent of F, G or M (Intent\_Last)
  - Data Warehouse Transcripts table
    - EARN\_IND = Y
    - CIP NOT LIKE 33\*
    - GR\_DEC >= 1.0 OR GR = S, P OR CR

## ***CODING CHALLENGE***

- Some prof-tech programs do not require the highest level of pre-college English.
- To correct for this:
  - Any student who does not complete the highest level of pre-college English....
  - But attempts pre-college English in the current or previous year...
  - And who completes college level English in the current year....
  - **Will Earn the full 3 points in the current year**
- Students to enroll in a “bucket” or accelerated outcome course who complete the course at college level will earn the full 3 points.

## 15 COLLEGE LEVEL CREDITS

- **Point Accumulation**
  - Awarded one point when student reaches 15 cumulative college level credits
  - At least five credits must be earned within the current academic year
  - Current or previous basic skills students will earn one additional point
- **Source**
  - Data Warehouse Transcripts table
    - $SUM(CR) \geq 15$
    - $CLVL\_IND = Y$
    - $EARN\_IND = Y$
    - $GR\_DEC \geq 1.0$  OR  $GR = S, P$  OR  $CR$

## 30 COLLEGE LEVEL CREDITS

- **Point Accumulation**
  - Awarded one point when student reaches 30 cumulative college level credits
  - At least five credits must be earned within the current academic year
  - Current or previous basic skills students will earn one additional point
- **Source**
  - Data Warehouse Transcripts table
    - $SUM(CR) \geq 30$
    - $CLVL\_IND = Y$
    - $EARN\_IND = Y$
    - $GR\_DEC \geq 1.0$  OR  $GR = S, P$  OR  $CR$

## QUANTITATIVE MATH

- **Point Accumulation**
  - Awarded one point when student completes either:
    - A college level math course
    - Or PHIL& 117 or PHIL& 120
    - At least five credits must be earned in any college level course work within the current academic year
  - Current or previous basic skills students will earn one additional point
- **Source**
  - Data Warehouse Transcripts table

## QUANTITATIVE MATH

- **Source for College Level Math**
  - Data Warehouse Transcripts table
    - CIP = 27\*
    - CLVL\_IND = Y
    - EARN\_IND = Y
    - GR\_DEC  $\geq$  1.0 OR GR = S, P OR CR
- **Source for Quantitative Reasoning Course**
  - Data Warehouse Transcripts table
    - PHIL& 117 or PHIL& 120
    - EARN\_IND = Y
    - GR\_DEC  $\geq$  1.0 OR GR = S, P OR CR



## 45 COLLEGE LEVEL CREDITS

- **Point Accumulation**

- Awarded one point when the student earns 45 credits within one of the following pathways:
  - Workforce
  - Transfer
- Current or previous basic skills students will earn one additional point

## 45 CLVL CREDITS - WORKFORCE

- **Point Accumulation for Workforce Credits**
  - Point awarded the first time the student meets the credit criteria
  - Student must earn at least 30 of the 45 college level credits in workforce courses
    - Workforce courses are designated by the CIP code on the course
  - The student must have a cumulative GPA of 2.0 or higher in college level courses
  - At least five college level credits must be earned within the current academic year

## 45 CLVL CREDITS - WORKFORCE

- **Source**
  - Data Warehouse Transcripts table
    - CLVL\_IND = Y
    - EARN\_IND = Y
    - VOC\_IND = Y
    - GR\_DEC >= 1.0 OR GR = S, P OR CR

## 45 CLVL CREDITS - TRANSFER

- **Point Accumulation for Transfer Credits**

- Point awarded the first time the student meets the credit criteria
- Student must earn credit in each of the five following distribution areas:

Math

Science

English

Social Science

Humanities

- The student must have a cumulative GPA of 2.0 or higher in college level courses
- At least five college level credits must be earned within the current academic year

## 45 CLVL CREDITS - TRANSFER

- **Source**
  - Data Warehouse Transcripts table
    - CLVL\_IND = Y
    - EARN\_IND = Y
    - GR\_DEC >= 1.0 OR GR = S, P OR CR

## 45 CLVL CREDITS - TRANSFER

- **English 101**
  - Dept\_Div & Course\_Num = "ENGL&101"
- **Quantitative Math**
  - CIP Like 27\* excluding 27.9998 (workforce math)
  - Or PHIL& 117 or PHIL& 120
- **Humanities**
  - CIP SUBJECT\_CLUSTER = 05
  - CIP\_TYPE = M or is null



## 45 CLVL CREDITS - TRANSFER

- **Science**
  - CIP SUBJECT\_CLUSTER = 02 or 12
  - CIP\_TYPE = M or is null
- **Social Science**
  - CIP SUBJECT\_CLUSTER = 04
  - CIP\_TYPE = M or is null

## RECAP OF THE 45 COLLEGE LEVEL CREDITS POINT

- **Point Accumulation**

- Awarded one point when the student earns 45 credits within one of the following pathways:
  - Workforce
  - Transfer
- Current or previous basic skills students will earn one additional point

## RETENTION POINT

- **Point Accumulation**
  - Awarded one point when the student increases their achievement in the current year and was enrolled in the previous year
  - Student must have earned at least one momentum point during the current year to receive the retention point
  - This point can be earned in multiple years as long as the student is continuing to earn momentum points

## COMPLETION POINT

- Formerly known as the Tipping Point
- **Point Accumulation**
  - One point per academic year is awarded for students who earn one or more of the following awards:
    - Short certificate (Exit Code 4) with 20+ college level vocational credits earned within two years
    - Long certificate
    - Degree
    - Apprenticeship

## COMPLETION POINT

- **Source**
  - Data Warehouse Completions table
    - AWARD\_TYPE = 3, 4, or 5 (long certificates and degrees)
  - Data Warehouse Completions and Transcripts tables
    - EXIT\_CODE 4 and 20+ clvl vocational credits (short certificates)
  - Data Warehouse ALL\_APPRENTICESHIP\_COMPLETERS table
    - Apprenticeship completions reported by L&I

## POINTS PER STUDENT

- Only basic skills, Running Start and award seeking students are counted for the points per student funding metric.
- The criteria to be included for the points per student metric is
  1. State-funded student where INTENT\_LAST <> J, K or H  
OR
  2. Current year running start student (RS\_STATUS = 1)  
ORNon-state-funded where INTENT\_LAST = A, B, G, F, M or I
- Students exclusively enrolled in courses with fee pay status codes of 97 and 98 are excluded from the metric, regardless of funding source or intent code **\*new criteria as of winter 2015\***



## SUMMARY

- **Coding Matters!**
- Major changes:
  - All credits based on those earned at your college
  - Only students from SMIS are included, no external sources
  - Only courses where the student earned a D grade or better are included in calculations (C or better for pre-college)