



Innovation Pathways and Early College Data Reporting Fall 2021



MASSACHUSETTS
Department of
Higher Education

Today's Objectives

01 Data Collection – Why and How

02 Innovation Pathways Reporting

03 Early College Reporting

04 Q&A

01

Data Collection – Why and How

Why? Data is Used for Monitoring, Payments and Evaluation.

Innovation Pathways

- **Track # of students** and IP sectors
- **Monitor program needs:**
 - Are IP students completing MassCore?
 - Have IP students been participating in MyCAP?
 - Are IP students completing pathway components, inclusive of the two advanced courses, two technical courses, and internships/capstones?
- **Evaluate IP student outcomes:**
 - Are students able to connect careers to IP sector?
 - Are IP students enrolling, persisting and graduating from college at higher rates?
 - Are IP students entering fields that are related to their IP industry sector?

Early College

- **Track # of students** and credits earned, to reimburse colleges
- **Monitor program needs:**
 - Do the college credits being earned also fulfill MassCore and HS graduation requirements?
 - Have EC students been participating in MyCAP?
- **Evaluate EC student outcomes:**
 - Are EC students enrolling, persisting and graduating from college at higher rates?
 - Are current EC students completing 12 or more college credits (with a transferable grade of C- or higher?)
 - Are students able to connect careers to EC college work?



How? Aligning Data from High Schools and Colleges

High school data

- **SIMS:** Student-level data, used to flag students in EC or IP
- **SCS:** Course-level data, used to track enrollment and outcomes for courses in EC or IP pathways, including MyCAP

Higher ed data

- **HEIRS Start of Course file:** Course-level data, used to track enrollment and credits earned in EC pathways courses
 - To be cross-checked with SCS
- **National Student Clearinghouse:** Student-level data from colleges nationwide, used for tracking post-HS outcomes



02

Innovation Pathways Reporting

SIMS DOE045: High Quality Career Pathways Program Type

- Enrollment in Innovation Pathways and Early College Program that have received designation
- Three values:
 - 500 Does not apply to student
 - 01 Innovation Pathway
 - 02 Early College
 - <http://www.doe.mass.edu/ccte/ccr/hqccp>
- Choose code "01" for Innovation Pathways, Choose code "02" for Early college



Who is reported in an Innovation Pathway this Fall?*



<p>9th grade, applied to IP program, enrolled, is taking first IP course</p>	<p>In 9th grade, has applied to and been enrolled into IP program, is taking first IP course in January but is completing MyCAP elements</p>	<p>In 10th grade, has applied to and been enrolled into IP program, is taking first IP course</p>	<p>In 11th grade, is taking IP courses throughout the year</p>	<p>In 12th grade, has taken 2 academic and 2 technical courses, currently working on a capstone</p>
<p>Mark student as 01 in DOE045?</p>				
<p>YES, start reporting this Fall (Oct '21)</p>	<p>YES, start reporting in Fall (Oct '21)</p>	<p>YES, start reporting this Fall (Oct '21)</p>	<p>YES, continue reporting</p>	<p>YES, continue reporting</p>



FOR IP ONLY: SIMS DOE046: Industry Sector

- All **IP programs** must select the appropriate sector code for each student enrolled, as reflected in their designation.
- **IP - Only use the codes in red.** "Other" is not an acceptable value.

Acceptable Values – RED for IP

Only for IP Cohort 1!

500 Does not apply to student

11 Agriculture and/or Environmental Science

22 Utilities and Clean Energy

23 Construction

31 Manufacturing

44 Retail

48 Transportation

51 Information Technology

52 Finance and Insurance

53 Real Estate

54 Scientific Research and/or Engineering

55 Business Administration

61 Education

62 Health Care and Social Assistance

71 Arts, Entertainment, and Recreation

72 Accommodation and Food Services

81 Other Industry Sector

91 Public Administration

95 No Industry Sector

SIMS DOE047,048,049: Industry Recognized Credentials

- There are three identical fields, allowing for up to 3 credentials to be reported per student.
- These fields will be applicable to any student in grades 9 through 12.
- There are approximately 200 reportable values for these fields, representing certifications from many industries (agriculture, business, construction, health, education, manufacturing, technology etc.)
- Those values are captured in the SIMS handbook, available at the DESE website: <http://www.doe.mass.edu/infoservices/data/sims/>

SCS: SCS14 Pathways Course

SCS14 Pathways Course will be a binary element with acceptable values:

00 Non Pathways Course

01 Pathways Course

This variable will be to indicate that a particular course is being used to meet the technical course taking requirement for Innovation Pathways.

SCS: subject area course codes reportable in SCS05

This is the **addition of four MyCAP course codes**, as these plans are required by both Early College and Innovation Pathway programs. Also the **addition of course codes for Pathways Internship and Pathways Capstone coursework**.

Subject Area Course	Code	Subject Area Course Description
My College and Career Plan (MyCAP) 9 th Grade	22301	Completion of all of the <u>MyCAP</u> process and documentation based on 9 th grade objectives including skills journal, career interest survey and <u>4 year</u> plan.
My College and Career Plan (MyCAP) 10 th Grade	22302	Completion of <u>all of the</u> <u>MyCAP</u> process and documentation based on 10 th grade objectives including growth mindset project, updates on volunteer community service and work experience, and <u>post secondary</u> options.
My College and Career Plan (MyCAP) 11 th Grade	22303	Completion of <u>all of the</u> <u>MyCAP</u> process and documentation based on 11 th grade objectives including personal reflections on perseverance and resilience, resume completion and goal statements.
My College and Career Plan (MyCAP) 12 th Grade	22304	Completion of <u>all of the</u> <u>MyCAP</u> process and documentation based on 12 th grade objectives including college essays, a career immersion experience, and a postsecondary plan.
Pathways Internship	22501	A rigorous internship consisting of at least 100 hours to meet the requirements of Perkins and/or HQCCP programs.
Pathways Capstone	22502	A rigorous capstone project consisting of at least 100 hours to meet the requirements of HQCCP programming.

Specific to IP

Regarding Required Course Scheduling for Innovation Pathways

- Over the course of their time in the pathway, all Innovation Pathway students must complete 2 technical courses, 2 advanced courses (must be AP, IB or dual enrollment) and 1 WBL course (internship or capstone).

- Later this fall DESE will provide IP designees with a separate Excel template ("Course Inventory Form") to capture all the courses that are part of the sequence planned for students in the cohort, to assist with review of student course completion at the state level.
 - Course titles, local course codes and number of credits are determined by the program/school. SCS codes are available at <http://www.doe.mass.edu/infoservices/data/epims/DHAppendices.xlsx>
 - These course titles, local course codes, and SCS course codes are likely already part of your local student information system that is used for reporting, but attention to appropriate coding is critical.

Your IP Cheat Sheet!

Innovation Pathway

- Did I identify my student in the pathway in **SIMS**? (DOE045 = 01)
- Did I identify coursework in SCS as “**technical**”?
- Did I identify coursework in SCS as a **capstone or internship** if necessary?
- Did I correctly identify my approved **industry sector**? (DOE046)
- Did I identify my student as participating in **MyCAP** in SCS?



03

Early College Reporting

SIMS DOE045: High Quality Career Pathways Program Type

- Enrollment in Innovation Pathways and Early College Program that have received designation
- Three values:
 - 500 Does not apply to student
 - 01 Innovation Pathway
 - 02 Early College
 - <http://www.doe.mass.edu/ccte/ccr/hqccp>
- Choose code "01" for Innovation Pathways, Choose code "02" for Early college

Note: These students in SIMS must also be the same students that the partner IHE is identifying as Early College on their end through HEIRS (by reporting SASIDS #)

SIMS DOE046: Early College higher ed institution

New
this
year!

- For each student marked as EC in DOE045, use DOE046 to indicate the designated higher ed institution.
 - This is needed because some students take courses from multiple colleges
- **Use the list of colleges in Appendix L of the [SCS Handbook](#)**

3002	American International College
3005	Anna Maria College
3009	Assumption College
3010	Atlantic Union College
3078	Bay Path University
3482	Becker College
3394	Benjamin Franklin Institute of Technology
3107	Berklee College of Music
3102	Berkshire Community College
3083	Boston College
3084	Boston Conservatory
3087	Boston University
3092	Brandeis University
3517	Bridgewater State University
3110	Bristol Community College
3123	Bunker Hill Community College
3201	Cambridge College
3289	Cape Cod Community College
3279	Clark University
3282	College of the Holy Cross



Use 4-digit college code for EC



Do NOT use the 2-digit industry codes for EC (those are for IP only)

Who is reported in Early College this Fall?*



<p>9th grade, student exposed to EC pathway option. Student participates in college and career exploratory course/unit but hasn't committed to program.</p>	<p>In 9th grade, if student has <u>applied</u> and <u>committed</u> to the EC program by October 2021.</p>	<p>In 10th grade (and 11th grade), student has <u>applied</u> and <u>committed</u> to the EC program prior to October '21. <i>Students who commit after October should start to be reported in March 2021 SIMS.</i></p>	<p>In 11th grade, student is participating in EC program and taking college credits.</p>	<p>In 12th grade, student is participating in EC program and taking college credits.</p>
<p>Student has begun on ramping activities/prep for college coursework. Student may also begin taking college coursework.</p> <p>*May need to complete course registration paperwork for the IHE</p>				

Report student in SIMS and courses in SCS?

<p>NO, **Student is not yet reported in SIMS**</p>	<p><u>YES</u>, report this student as an Early College student in Fall (October '21) in SIMS</p>	<p><u>YES</u>, report this student in Fall as Early College (October '21) in SIMS. Begin reporting post-secondary credits in SCS if student is taking a credit bearing college course.</p>	<p><u>YES</u>, continue reporting students in SIMS and college credits in SCS</p>	<p><u>YES</u>, continue reporting in both SIMS and SCS</p>
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Required Course Scheduling for Early College

- Over the course of their time in the pathway, all Early College students must be scheduled for 12 college credits (the equivalent of four college credit courses in most cases)
- Courses are captured through SCS, HEIRS and currently a secondary credit tracker. (Which will track course takers (enrollment), initial credits, confirmed credits, and projected credits in each semester.

SCS03 School/Program ID Number

- Indicates the location where a course is being taught.
- In the case of dual enrollment, this code may differ from the school/district in which the student is enrolled, to reflect the partner college offering the dual enrollment.
- College locations ordinarily start with the 4 letters "CLBR" followed by 4-digit college code.
- "CLBRVCLG" *will be used to report online college-level courses.*

SCS09 Course Level

VERY
IMPORTANT!

Select the code that most closely represents the level of the course (values: 1 – 5).

- 01 Basic/Remedial
 - A course focusing primarily on skills development. The course offered may focus on the improvement of a particular deficiency in content previously taught but not learned.
- 02 General
 - A course providing instruction that focuses primarily on general concepts for the appropriate grade level.
- 03 Advanced
 - An advanced course designed for students who achieve a specified level of academic performance.
- **04 Postsecondary Credit *DESE also recognizes this as Advanced Coursework!***
 - A course, often taken at or in conjunction with a postsecondary institution, which contains instruction equivalent to a college-level course and for which a student may earn college credits.
- 05 Postsecondary Non-Credit
 - A course, often taken at or in conjunction with a postsecondary institution, which contains remedial or developmental content or for which a student does not earn college credits.

SCS: subject area course codes reportable in SCS05

This is the **addition of four MyCAP course codes**, as these plans are required by both Early College and Innovation Pathway programs.

Subject Area Course	Code	Subject Area Course Description
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What a Dual-Enrollment Course Might Look Like in SCS...

SCS01 LASID	SCS02 SASID	SCS03 Course Location	SCS04 Local Course Code	SCS05 Subject Area Course Code	...	SCS09 Course Level	...	SCS14 Pathways Course
#####	#####	CLBR3549	Mth72	02201		04		00

Massasoit CC

Statistics and
Probability

**MUST be 04
for college
credit-earning**

N/A for EC
pathway

Common
mistake!

IHE Credit Trackers– Secondary Collection

- Early College Designated IHE partners- Will corroborate SCS data collection by using **Excel spreadsheet provided by Early College Team** to capture the number of college course takers (enrollment) and the total number of credits in each given semester

Early College

- Did I identify my student in the pathway in **SIMS**? (DOE045 = 02)
- If HS has two partnerships, **did I delineate which program** student is in? (DOE046)
- Did I identify coursework in SCS as **college level**? (SCS09 = 04)
- Did I record the **course location** in SCS? (SCS03)
- Did I identify my student as participating in **MyCAP** in SCS?

Frequently Asked Questions

Q: Can a student be attributed to both IP and EC?

A: No. While students can overlap in participation (ex. IP and EC students are in a dual enrollment course together), each student should have signed up for a distinct experience of either IP pathway or EC pathway and should be recorded as such.

Q: If student has applied to a Pathway, has committed, but hasn't started college courses yet, should they be counted as program participants?

A: Yes. If they are already participating in other aspects of program (orientation, academic preparation for college course-taking, specialized MyCAP activities, etc) then they should be reported regardless of not yet having started college coursework.

04

Q&A

THANK YOU

Please be in touch with further questions.

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Appendix

The Importance of Accurate Reporting

- Data will enable programs and state to analyze for scale, quality, and equity.
 - Students Participating in Program
 - Students Completing the Program
 - Postsecondary and Career Outcomes
- Program enrollment codes in SIMS and course reporting in SCS will serve as the basis for per pupil (if it becomes available) and per credit funding
- Data is reported publicly and back to programs for continuous improvement through Data Dashboards

Link with Performance Measures

- Designation intended for 5 years, subject to renewal based upon achievement of performance goals.
- *Performance tracking and benchmarking is critical to ensuring that programs are on track, quantitatively and qualitatively, over the course of the designation.*



What are SIMS and SCS?

- The **Student Information Management System (SIMS)** is a student-level data collection system that allows the Department to collect and analyze more accurate and comprehensive information, to meet federal and state reporting requirements, and to inform policy and programmatic decisions.
- The **Student Course Schedule (SCS)** collects student course, course completion, and mark/grade information to meet federal and state reporting requirements in a timely manner, and to provide districts and DESE with useful data that will contribute to enhanced student performance.
- *These two data sets are existing processes that will be used to minimize the burden on programs to collect data necessary to evaluate and maintain programs.*

We are trying to use as many
“primary” data reporting processes as
possible!!!



DESE K-12 Databases

- **Student Information Management System (SIMS) – Student-level**

<i>Collection</i>	<i>Due from Districts</i>	<i>Certified and Available</i>
First collection	October	December
Second collection	March	March/April
Third collection	End of school year	August

- **Student Course Scheduling (SCS) – Course-taking**

<i>Collection</i>	<i>Due from Districts</i>	<i>Certified and Available</i>
First collection	December	December/January
Second collection	End of school year	August

<http://www.doe.mass.edu/infoservices/data/schedule.html>

MA Higher Education Data Collection

HEIRS- Higher Education Information Resource System

- Centralized data system used by DHE for research, policy analysis, and program evaluation, and to populate self-service data tools that support decision-making by DHE, BHE, and the broader community of public higher education stakeholders.
- HEIRS contains information on enrollment, demographics, admissions, programs/majors, course records, degree and certificate completion, and financial aid.
- HEIRS links, at student level, to the National Student Clearinghouse, enabling DHE to track enrollment and degree completion of students who leave the Massachusetts Public Higher Education System.

Additional Qualitative Monitoring for Designated Pathway Programs

- Annual Reports (completed by programs Summer/Fall)
- Site Visits (3rd year of Designation)
- For EC: Provisional Review (after Year 1)
- Application for Renewal (4th year of Designation)