# **Data Governance Committee Proposal**

Meta major coding schema in the HP9000 legacy system

# **Background**

In 2016 five colleges were awarded a multi-year College Spark grant to implement Guided Pathways. The SBCTC was also provided funding to assist with the implementation and evaluation efforts for the work. In 2017 another five colleges were awarded the grant for a total of 10 colleges plus SBCTC with a multi-million dollar investment in the effort. The work plan the colleges must follow for the grant includes approximately 20 minimum grant requirements that align with the Guided Pathways essential practices. One of the essential practices is a redesign of course offerings within meta-majors, which are clusters of majors within a broad career area (e.g., health sciences, social sciences, information technology, humanities, etc.). The adoption of meta-majors helps students to choose a career pathway earlier and helps them to stay on track.

In order to comply with the high levels of reporting and accountability required by funders and other stakeholders, Guided Pathways colleges need to track students by meta-major. The grant requirements that specify the implementation items around meta-majors for the College Spark funded colleges are as follows:

* Students who do not have a specific Program of Study in mind are required to choose a meta-major in a broad field of interest with a default curriculum that gives them a taste of the given field
* Every new credential-seeking student is helped to explore career/college options, choose a meta-major upon enrollment, and enter a Program of Study within no more than two quarters
* **Program monitoring:** progress on academic plans is monitored on an ongoing basis. This includes tracking, monitoring, and ability to report on:
  + Number of students in each meta-major and how many students are in an exploratory course sequence for their meta-major

In the current HP9000 Legacy data system there is no ability to track meta-majors as it is a new concept for the colleges. The individual colleges do have the ability to gather this information in their own way, but a system solution to the **ability to track meta-majors** is the desired outcome for several reasons. First, modifications to the Legacy structure will enable a cost-effective approach for all colleges that ensures uniformity in data collection and reporting. Second, colleges will, if not recommended or required to track consistently, indeed find their own way. This will only add to the difficulties of measuring student success and work directly against the intentions of the Guided Pathways model. Third, a unified approach would allow SBCTC to provide support and perhaps reporting on the colleges behalf, which is not possible unless the data is collected consistently and at the system-level.

# Proposed Legacy Solution

The proposed solution for colleges still using the HP9000 is to add a new, foreign-keyed field to the EDUC-PRG-M table (SM5006) to store a meta-major code and a corresponding table defining meta-major.  The meta-major code will also be added to screen SM700A for view only.

There are two key components to this recommendation.

**1. Global meta-major title list**

A global list of meta-major titles would be provided to the colleges to choose from on the screen. The global list is for *categorizing, labeling, and reporting purposes only,* and does not have any impact on the title of the meta-major that the college uses in its publications, advising, discussion, etc, with the campus community and public. This common list will allow the data to live in TBL3, which makes the solution easier to implement. If a global list cannot be used, the data would have to live in TBL4 which would require colleges have their own lookup tables and any system level reporting that is needed would require more input and communication.

***Example of HP9000 Screen for data input***

**EDUC-PRG-M (SM5006)**

|  |  |
| --- | --- |
| Field |  |
| EDUC\_PRG\_CD |  |
| DEGREE\_TITLE |  |
| EDUC\_PRG\_TITLE |  |
| META\_MAJOR | \*new, char (4) |
| EXIT\_CD |  |
| EFF\_YRQ\_BEG |  |
| EFF\_YRQ\_END |  |
| PRG\_HR |  |
| PRG\_HR\_DAY |  |
| INSTRN\_CAL\_CD |  |
| EDUC\_PRG\_MISC |  |

***Example of global meta-major titles and codes***

|  |  |  |
| --- | --- | --- |
| Global meta-major title | Global meta-major code | College meta-major title (Clark College example) |
| Business | BUSN | [Business and Entrepreneurship](http://www.clark.edu/academics/programs/business-and-entrepreneurship/index.php) |
| Information technology | ITEC |  |
| Business and information technology | BSIT |  |
| Healthcare | HLTH | [Health Care and Biosciences](http://www.clark.edu/academics/programs/health-care-and-biosciences/index.php) |
| STEM | STEM | [Science, Technology and Engineering](http://www.clark.edu/academics/programs/science-technology-and-engineering/index.php) |
| Arts and communication | ACOM | [Creative and Communication Arts](http://www.clark.edu/academics/programs/creative-and-communication-arts/index.php) |
| Humanities | HUMA |  |
| Arts, humanities, and communication | AHCM |  |
| Manufacturing and trades | MATR | [Advanced Manufacturing and Mechanical](http://www.clark.edu/academics/programs/advanced-manufacturing-and-mechanical/index.php) |
| Aerospace | AERO |  |
| Manufacturing and aerospace | MAAR |  |
| Automotive and trades | TRAD |  |
| Education | EDUC |  |
| Social and behavioral science | SOCS |  |
| Public services | PBSV |  |
| Social science and public service | SSPS |  |
| Social services and education | SSED |  |
| Education, social science, and public services | EDSP | [Public Service, Society and Education](http://www.clark.edu/academics/programs/public-service-society-and-education/index.php) |
| Transportation | TRAN |  |
| Hospitality | HOSP |  |
| Exploratory | EXPL |  |

**2. One-to-one relationship between meta-major and education program code**

In order to implement the many-to-many logical relationship between educational programs and meta-major pathways, colleges will need to split some educational programs into two or more parts, using either the fourth digit of career and technical education program codes or different alpha codes for academic educational programs.  For example, if a college has decided to put their AA-DTA, as the most common transfer degree, into three meta-majors – Arts/Communication; Education, Social Science, and Public Service; and Healthcare, the college would create three educational program codes as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| EPC | Degree Title | Program Title | Global meta-major |
| AACC | Associate in Arts DTA | AA/DTA – Creat & Comm Arts | ACOM |
| AAPS | Associate in Arts DTA | AA/DTA – Pub Serv | EDSP |
| AAHB | Associate in Arts DTA | AA/DTA – Health & Bioscience | HLTH |