

# Washington MESA Community College program (MCCP)

## Overview, Data & Highlights

For thirty years, **Washington MESA** has provided underrepresented K-12 and college students with learning enrichment opportunities that inspire further education and interest in science, technology, engineering, and math (STEM) careers.

**What is MCCP:** MESA Community College Program (MCCP) is an on-site direct-service model that serves underrepresented community college students majoring in STEM fields, with academic support and professional development so they will excel academically and **transfer successfully** to four-year institutions to earn STEM degrees. This support is especially critical for students coming from low-performing high schools, in order to prepare them for high demand STEM curriculum. The MCCP has been partially funded at six Washington community colleges by a National Science Foundation STEP 1b grant for the last five years; funding expires at the end of FY 2014.

### Model Components

- Administrative Support (Director, Advisor & Faculty)
- Student Study Center
- Academic Excellence Workshops (AEW's)
- Orientation Course
- Academic & Counseling Advising
- Student Professional Development & Links to STEM Societies

~Offering the service components listed above, each MESA Center serves 50 STEM students (grant goal). However, most centers are currently over capacity, with some serving as much as 75 students. Programs are now wait listing students.



### Objectives of MCCP

1. Increase the number of underrepresented minorities earning undergraduate STEM degrees.
2. Increase the retention and successful transfer of underrepresented minorities by building upon and replicating the success of the 2004-09 NSF funded NW-EETEP, & success of the California MESA transfer model.
3. Better align Washington's STEM outreach, transfer and retention program, services and activities throughout the K-16 educational pathway.
4. Institutionalize and expand the number of MESA Community College Programs in the State of Washington.
5. Fully utilize the capacity of all the state's STEM programs.

### HIGHLIGHTS of Outcomes

#### 2011-12

- The 1st graduating MCCP class received B.S. degrees in '11-'12 (100% STEM)
- 6 B.S. degrees conferred (Engineering: 74%)
- 50% male, 50% female, 83% Underrepresented in STEM (AA, H, NA, PI, Women)
- Degrees by institution: UW 67%, WSU 17%, other in-state 17%
- Average time to degree post transfer: 2.17 years

#### 2012-13 (N=13) 116% increase over 2011

- 2nd Graduating MCCP class received B.S. degrees in '12-'13 (100% STEM)
- 13 B.S. degrees conferred (Engineering: 77%)
- 84% male, 16% female
- Degrees by institution: UW 46%, WSU 31%, other in-state 23%     Average time to degree post transfer: 2.12 years

#### Overall: 2011-13

- 19 B.S. degrees conferred (100% STEM)
- 74% Male, 26% female
- 64% URM (AA, H, NA, PI)
- 78% Underrepresented in STEM (AA, H, NA, PI, Women)
- Degrees by institution: UW 46%, WSU 31%, other in-state 23%
  - Average time to degree post transfer: 2.13 years

\*Source (s): 2009-13 WA MESA database and the NCLS report on subsequent enrollments

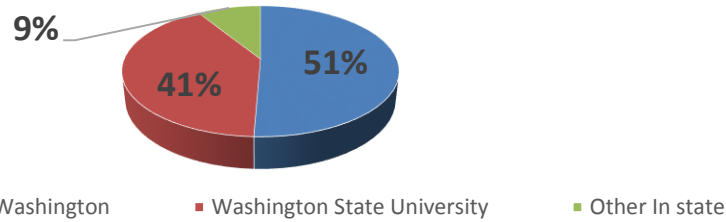
| MCCP Transfer Students      |          |           |           |           |           |
|-----------------------------|----------|-----------|-----------|-----------|-----------|
| Institution                 | 2009-10  | 2010-11   | 2011-12   | 2012-13   | Total     |
| University of Washington    | 2        | 7         | 9         | 22        | 40        |
| Washington State University | 1        | 8         | 10        | 13        | 32        |
| Other In state              | 1        | 2         | 1         | 3         | 7         |
| <b>Total</b>                | <b>4</b> | <b>17</b> | <b>20</b> | <b>38</b> | <b>79</b> |

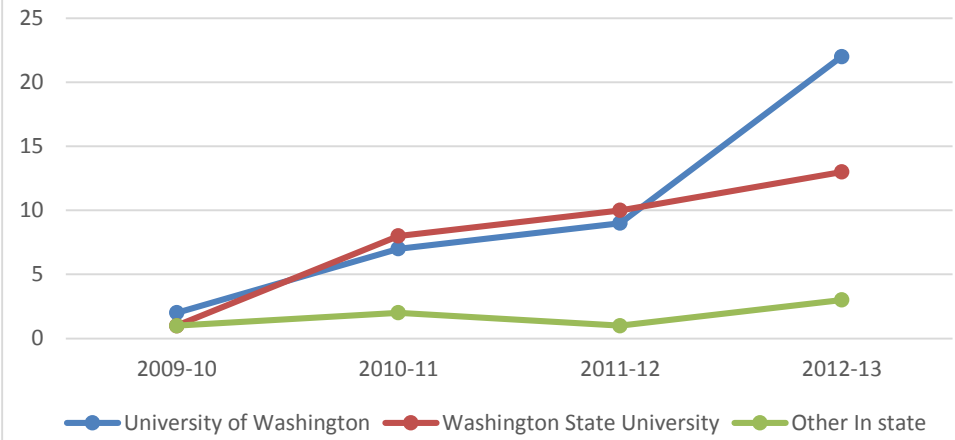
| Transfers by %              |             |             |             |             |             |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|
| Institution                 | 2009-10     | 2010-11     | 2011-12     | 2012-13     | Total       |
| University of Washington    | 50%         | 41%         | 45%         | 58%         | 51%         |
| Washington State University | 25%         | 47%         | 50%         | 34%         | 41%         |
| Other In state              | 25%         | 12%         | 5%          | 8%          | 9%          |
| <b>Total</b>                | <b>100%</b> | <b>100%</b> | <b>100%</b> | <b>100%</b> | <b>100%</b> |

MCCP Transfers 2009-13 (N=102\*)  
 4 year transfer trends indicate the majority of MCCP student transfer into the University of Washington (51%).  
 41% of all MCCP transfer students enroll at Washington State University  
 \* In addition, there are 23 additional MCCP transfers through December 2013 thus the total number of MCCP transfers to date = 102.

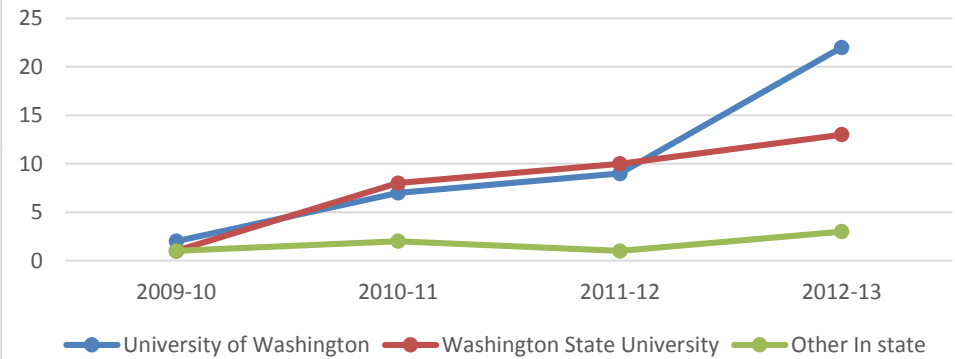
### MCCP Transfer % by Institution Type



### MCCP Transfer Trends by Academic Year



### MCCP Transfer Trends by Institution Type

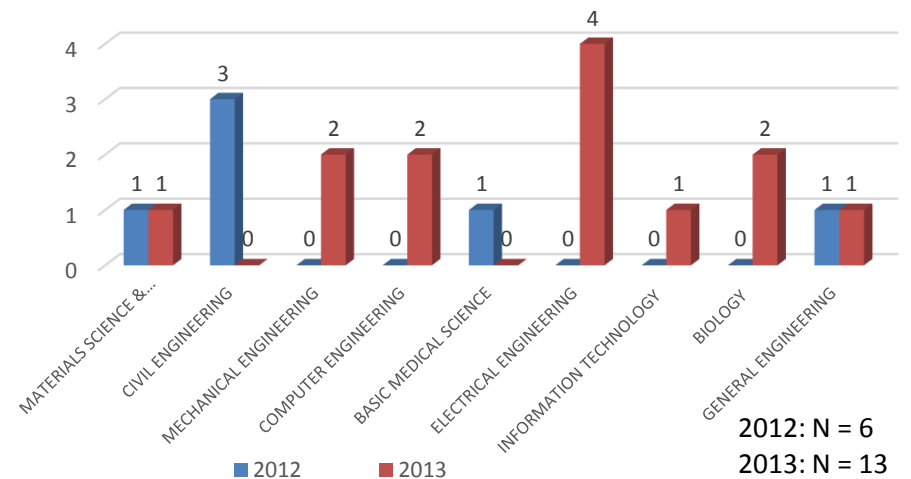


### MCCP College Graduates by Gender, Ethnicity, and Institution

| Ethnicity    | Male      | Female   | UW       | WSU       | Total     |
|--------------|-----------|----------|----------|-----------|-----------|
| AA           | 2         | 1        | 1        | 3         | 4         |
| AS           | 2         | 1        | 1        | 2         | 3         |
| C            | 2         | 3        | 3        | 1         | 4         |
| H            | 5         | 1        | 1        | 5         | 6         |
| NA           | 1         | 0        | 0        | 1         | 1         |
| PI           | 1         | 0        | 0        | 1         | 1         |
| <b>Total</b> | <b>13</b> | <b>6</b> | <b>6</b> | <b>13</b> | <b>19</b> |

Primary Contact: **Washington MESA**  
 JAMES DORSEY  
 EXECUTIVE DIRECTOR  
 394 SCHMITZ HALL, BOX 33545  
 SEATTLE, WA 98195-5848  
 Phone: (206) 390-6086 CELL  
 (206) 616-7739 OFFICE

### MCCP Graduates 2012-13 by Degree Type



2012: N = 6  
 2013: N = 13