A Comprehensive Review of the Undergraduate Student Pipeline

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Overview—

• Approaching mid-term progress on FY 2020 strategic goals

• Reports show “where we are now” and “where we are going”

• Common themes/connections between the reports
  – College readiness & demography
  – Historical degree production & strategies for increased attainment
  – Impact on enrollment growth and outcomes

• Policy implications
  – Strategic expansion of academic programs
  – More targeted transfer and financial aid policies
  – Enhanced utilization of regional centers
  – Funding
Where We Are Now: Current Data and Outcomes

Four annual reports:

• SAT Percentile Distributions of First-Time Undergraduates
• Retention and Graduation Rates of First-Time, Full-Time Degree-Seeking Undergraduates
• Transfer Students to the University of Maryland: Patterns of Enrollment and Success
• USM Enrollment Projections 2013-2022

Highlights three major undergraduate pipelines:

• New freshmen (Fall only)
  - Academic profile (SAT) and level of success
• Maryland community college transfers (Fiscal Year)
  - Areas of origin and level of success
• Other new transfers (Fiscal Year)

FIRST-TIME, FULL-TIME FRESHMEN
New Freshmen Pipeline **STATE-WIDE**

- 2012-13 MD High School Grads: 66,351
- Marylanders to Maryland Institutions: 29,500
- Out-of-Staters to Maryland Institutions: 7,500
- New Freshmen Fall 2013: 37,000
  - MDCC: 16,100
  - USM: 12,360
  - MICUA: 7,300
  - MSU & SMCM: 1,200
- Marylanders to Out-of-State Institutions: 15,500
- ~21,500?? Did not Attend? Work?

New Freshmen Pipeline **USM**

- 2012-13 MD HS Grads: 66,351
- Marylanders to USM Institutions: 9,477
- Out-of-Staters to USM Institutions: 2,882
- USM Fall 2013
  - FTFT Freshmen Class: 12,360
  - UMCP: 4,011
  - Towson: 2,747
  - UMBC: 1,653
  - Salisbury: 1,241
  - Frostburg: 889
  - Bowie: 625
  - UMES: 604
  - Coppin: 353
  - UoB: 236
New Freshmen Overview:
Cohort Increases after 4 Years of Decline

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Academic Strength of Maryland Potential
New Freshmen Remains Strong...

- 34,208 Maryland HS seniors took SAT
- 17,000 (50%) had scores above 500 on Math
  - Less likely to need developmental courses
- 29,000 (85%) had B or above high school GPA
- 11,400 (33%) indicated interest in STEM or Health Professions

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Academic Profile of New Freshmen Varies Across the System...

SAT Percentiles for 2013
Combined Math and Reading

...And Correlates Strongly with Institutional Graduation Rates

Graduated at Any USM Institution
New Freshmen Policy Implications for Consideration

• Most cost-effective way to improve freshmen output is closing the achievement gap
  +700 degrees potential

• Factors that affect input increases
  – Competition
  – Resources (housing, significant financial aid, student services, etc.)
  – Strategic academic program availability

+3 new enrolled = +2 degrees potential

NEW TRANSFERS
Transfer Pipeline USM

MDCC to USM Institutions 11,882

Out-of-State & Other Institutions to USM Institutions 10,007

USM FY 2013 Transfer 21,889

UMUC: 9,258
Towson: 3,455
UMCP: 2,690
UMBC: 1,957
Salisbury: 1,116
UoB: 990
Bowie: 704
Frostburg: 684
Coppin: 413
UMB: 384
UMES: 238

MDCC Transfer Pipeline USM

MDCC to USM Institutions 11,882

USM FY 2013 MDCC Transfer 11,882

Towson: 2,848
UMUC: 2,840
UMCP: 1,930
UMBC: 1,418
Salisbury: 841
UoB: 690
Frostburg: 412
Bowie: 353
Coppin: 238
UMB: 177
UMES: 135
Transfer Student Overview: Numbers Up Overall...

- Total Transfers: 21,889 (up 8% since 2009)
- 11,882 transfers from MDCCs (up 8% since FY 12)
- 76% MDCC transfers go to 4 USM institutions
- Outer suburbs of Balt-Wash are growing the fastest
  - Harford, Carroll, Frederick, College of Southern Maryland, Chesapeake
  - Regional Centers

With Positive Trends for Quality Outcomes of MDCC Transfers...

- Moving in the right direction:
  - Positive increase in full-time attendance
  - Positive decrease in MDCC transfers who enter as freshmen

- Enrolling in generally available programs
  - Business and management, social sciences (psychology), computer and information science, education and health professions, public affairs (criminology)
...Translating into Greater Success Among Transfer Population

Transfer Policy Implications for Consideration

- Strategic program expansion at Regional Centers
- Increase number of completed credits before transferring
- Financial support to help more students attend full-time

Degree Increase Potential: +750 on Current Base
FY 13 Summary of All Pipelines to USM

- Recent Maryland High School Grad to USM Institutions Fall 2012 Freshmen: 9,144
- MDCC to USM Institutions: 11,882
- Out-of-State & Other Institutions to USM Institutions: 10,007

USM Fiscal Year 2013
New Input: 33,834
- UMUC: 9,258
- UMCP: 6,701
- Towson: 6,202
- UMBC: 3,610
- Salisbury: 2,857
- FSU: 1,573
- BSU: 1,329
- UoB: 1,226
- UMES: 842
- CSU: 766
- UMB: 384
- UMUC: 9,258
- CSU: 766 Slide 19

Relative Size of Freshmen to Transfers is Changing

- FY 2006 - FY 2013
- MDCC Transfer
- Other Transfer
- FT FT Freshmen

Note: First-time full-time freshmen as of the fall term Slide 20
Enrollment Projections

WHERE ARE WE GOING?

Enrollment Projections are Important

• USM and Maryland’s College Attainment Goal(s):
  – Expand Access & Success

• Impacts Other USM Planning Efforts
  – Capital Planning Process (Long-term)
  – Student Support Needs (Middle-Term)
  – Operating Budget Development (Short-Term)

• Informs:
  – MHEC Statewide Projection Process
Ten Year Institutional Projections

Summary

- 2013: 153,321
- 2014: 151,765
- 2015: 171,364
- 2023: 171,364

Graduates: Blue
Undergraduates: Yellow

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Institutional Projections
USM Projections and 55% Educational Attainment

Nearly 15,000 less undergraduates in 2020 than in Optimal Plan

Sources of Growth in Degree Production
How can institutions increase degrees?

Input Driven
UMCP
UMBC
SU

Retention Driven
Freshmen input
TU
UMB

Transfer input
UB
FSU
BSU
UMES
CSU

Input Driven
UMCP
UMBC
SU

Retention Driven
Freshmen input
TU
UMB

Transfer input
UB
FSU
BSU
UMES
CSU
Sources of Growth in Degree Production
Which institutions plan to grow?

The Statewide Completion Gap
Where is Maryland Headed?