Undergraduate Student Pipeline
&
USM Enrollment Projections

Presentation to Education Policy and Student Life Committee
March 3, 2015

Prepared by Institutional Research
Office of Administration and Finance/
Chief Operating Officer
Overview

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 2014-2023*

Highlights three major undergraduate pipelines:

• New freshmen (fall only)
  - Academic profile (SAT) and level of success (retention and graduation)
• Maryland community college transfers (Fiscal Year)
  - Preparedness and level of success
• Other new transfers (Fiscal Year)
FIRST-TIME, FULL-TIME FRESHMEN
New Student Pipeline STATE-WIDE

2013-14 MD High School Grads: 63,276

Marylanders to Maryland Institutions 27,800

MDCC: 15,300
USM: 12,399
MICUA: 7,300
MSU & SMCM: 1,300

Marylanders to Out-of-State Institutions 15,000-17,000

Out-of-Staters & Foreign to Maryland Institutions 8,400

~18,000 to 20,000??? Did not Attend? Work?
Fall 2014 New Freshmen to USM

Marylanders to USM Institutions 9,685

UMCP: 4,128
Towson: 2,711
UMBC: 1,616
Salisbury: 1,144
Frostburg: 957
UMES: 756
Bowie: 594
Coppin: 267
UoB: 226

Out-of-Staters to USM Institutions 2,714

2013-14 MD HS Grads: 63,276
New Freshmen Overview: Cohort Stabilizes after 4 Years of Decline
Recent Maryland Seniors High School Graduates Remain Strong,…

- 49,665 Maryland HS seniors completed the SAT test
- 38,983 earned B (3.00 or above) high school GPA
- 24,000+ (50%) scored 500 or above on Math
  - 29,538 finished four or more math courses
  - Less likely to need developmental courses
- 24,000+ (50%) scored 500 or above on Reading
Half of Maryland Seniors Sent Scores to USM Institutions

- 24,637 Maryland HS seniors sent SAT scores to USM
- 21,417 earned B (3.00 or above) high school GPA
- 15,329 (62%) scored 500 or above on Math
  - 16,978 finished four or more math courses
- 14,979 (61%) scored 500 or above on Reading
SAT Scores of New Freshmen Varies Across Institutions

SAT Percentiles for 2014
Combined Math and Reading

- UMCP
- UMBC
- SU
- TU
- FSU
- UB
- BSU
- UMES
- CSU

25th and 75th Percentiles

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...But Correlates Strongly with Institutional Graduation Rates
Preparedness Also Correlates Strongly with Retention Rates

Retention Rate at any USM Institution

- Fall 2013 Cohort
- Below 1,000 SAT
- SAT 1,000 or Above
- Below 3.00 HS GPA
- HS GPA 3.00 or Above
- Assessed Mathematics Remediation
- No Math Remediation

SAT Scores | High School GPA | Math Remediation
New Freshmen Policy Implications for Consideration

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

• Factors that affect retention
  – SAT
  – HS GPA
  – Math Remediation
NEW TRANSFERS
Transfer Pipeline USM

MDCC to USM Institutions
11,182

Out-of-State & Other Institutions to USM Institutions
12,173

USM FY 2014 Transfer
23,355

UMUC: 9,636
UMCP: 3,700
Towson: 3,358
UMBC: 1,866
Salisbury: 1,223
UoB: 958
Frostburg: 768
Bowie: 726
UMB: 409
Coppin: 408
UMES: 303
MDCC to USM Institutions 11,182

USM FY 2014
MDCC Transfer
11,182

UMUC: 2,574
UMCP: 2,234
Towson: 2,142
UMBC: 1,351
Salisbury: 730
UoB: 630
Frostburg: 476
Bowie: 310
UMES: 181
Coppin: 256
Positive Trends for Quality Input 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

<table>
<thead>
<tr>
<th>Credits at Entry</th>
<th>Attendance Status</th>
<th>RHEC Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2011 MDCC All</td>
<td>FY 2011 MDCC Not UMUC</td>
<td>Freshmen Level</td>
</tr>
<tr>
<td>FY 2011 MDCC All</td>
<td>FY 2011 MDCC Not UMUC</td>
<td>Sophomore and above</td>
</tr>
<tr>
<td>FY 2011 MDCC All</td>
<td>FY 2011 MDCC Not UMUC</td>
<td>Part-time</td>
</tr>
<tr>
<td>FY 2011 MDCC All</td>
<td>FY 2011 MDCC Not UMUC</td>
<td>Full-time</td>
</tr>
<tr>
<td>FY 2011 MDCC All</td>
<td>FY 2011 MDCC Not UMUC</td>
<td>USM Campus</td>
</tr>
<tr>
<td>FY 2011 MDCC All</td>
<td>FY 2011 MDCC Not UMUC</td>
<td>USMH or USG</td>
</tr>
</tbody>
</table>

Graduation Rate any USM Institution Within Four Years

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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
FY 14 Summary of All Pipelines to USM

Recent Maryland High School Grad to USM Institutions Fall 2013 Freshmen
9,144

MDCC to USM Institutions
11,182

Out-of-State & Other Institutions to USM Institutions
12,173

USM Fiscal Year 2014
New Input
35,714

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

Out-of-State to USM Fall 2013 Freshmen
2,801

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Maryland High School Graduates

![Graph showing Maryland High School Graduates from 2004-05 to 2024-25 with the peak of 63,276 graduates in 2014-15.]
Maryland High School Graduates Changes—Freshmen Remain Steady; Transfers Increase

*Chart vertical axis truncated to show headcount changes*
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

- Graduates
- Undergraduates

Total Projections:
- 2014: 161,999
- 2015: 163,087
- 2016: 187,765

Yearly Projections:
- 2014: 161,999
- 2015: 163,087
- 2016: 187,765

Graph shows the projections for total graduates and undergraduates from 2014 to 2024.
Change in USM FTE Enrollment History and Projection

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Change in USM FTE Enrollment History and Projection without UMUC

![Graph](image-url)

- **Actual**
- **Projected**
- **Linear (Projected)**

*Slide 26*
Sources of Growth in Degree Production
How can institutions increase degrees?