



2016 – 2017

School Assessment Report

August 14, 2017

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OVERVIEW

The assessment system utilized by Middle Bucks Institute of Technology is designed to determine the degree to which students are achieving academic and occupational competency. In addition, it is designed to measure other performance indicators including enrollment, attendance, placement, and student perception.

The assessment is used to improve curriculum, instruction and other variables impacting student achievement. The assessment system uses a variety of assessment strategies including standardized achievement testing, industry certification, surveys and student accounting data.

Specifically, the assessment system includes measurement of the following performance variables:

| PERFORMANCE VARIABLE | MEASUREMENT |
|-------------------------------------|---------------------------------------|
| 1. Student Enrollment – Secondary | October 1 – Enrollment Report |
| 2. Student Enrollment – Adult | End-of-Year Report |
| 3. Student Attendance | Average Daily Membership Records |
| 4. Student Occupational Achievement | NOCTI - Industry Certification Report |
| 6. Student Placement | Senior Survey |
| 7. Student Perception | Student Climate Survey |

The assessment system has been developed and will be modified as required to comply with federal and state regulations and local planning mandates.

Section 1 – Secondary Enrollment

| Date | Enrollment Number Trend | Percentage Change |
|------------------------|-------------------------|-------------------|
| October 1, 2016 | 790 | 1.0% |
| October 1, 2015 | 782 | -2.6% |
| October 1, 2014 | 803 | -3.8% |
| October 1, 2013 | 835 | 1.3% |
| October 1, 2012 | 824 | 2.9% |
| October 1, 2011 | 801 | 5.4% |
| October 1, 2010 | 760 | -12.9% |
| October 1, 2009 | 813 | -7.3% |
| October 1, 2008 | 877 | -2.9% |
| October 1, 2007 | 903 | -2.8% |
| October 1, 2006 | 929 | 4.6% |
| October 1, 2005 | 888 | 0.0% |
| October 1, 2004 | 888 | -2.3% |
| October 1, 2003 | 909 | 4.6% |
| October 1, 2002 | 869 | 1.4% |
| October 1, 2001 | 857 | 2.9% |

Includes BCIU program and Adult Students

Secondary Enrollment – By District

| District | MBIT Totals | % | General Population (gr. 10-12) | % Draw |
|-----------------------|-------------|---------------|-----------------------------------|-------------|
| TOTAL | 750 | 100.0% | 9428 | 8.0% |
| Central Bucks | 392 | 52.3% | 4827 | 8.1% |
| Centennial | 191 | 25.5% | 1354 | 14.1% |
| Council Rock | 143 | 19.1 | 2835 | 5.0% |
| New Hope- Solebury | 24 | 3.2% | 412 | 5.8% |

Data does not include BCIU program and Adult Students

Secondary Enrollment – Special Needs Population

| | MBIT Totals | Special Needs IEP / Disadvantaged | % Sp. Needs (per District) |
|-----------------------|------------------------|--|---------------------------------------|
| TOTAL | 750 | 351 | 46.8% |
| Central Bucks | 392 | 178 | 45.4% |
| Centennial | 191 | 78 | 40.8% |
| Council Rock | 143 | 86 | 60.1% |
| New Hope- Solebury | 24 | 9 | 37.5% |

Data does not include BCIU program and Adult Students

Secondary Enrollment – Withdraw Report by Level

| Withdraw By Level | |
|--------------------------|-------------------------|
| Level | Number Withdrawn |
| TOTAL | 65 |
| 100 | 38 |
| 200 | 17 |
| 300 | 10 |

Secondary Enrollment - Withdraw Rate – Historical

| Year | 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 | 2011-12 | 2010-11 |
|--------------|----------------|---------|---------|---------|---------|---------|---------|
| TOTAL | 65 | 76 | 84 | 81 | 78 | 81 | 82 |

Secondary Enrollment – Withdraw Report by Reason

| Reason | Number Withdrawn |
|------------------------------------|------------------|
| TOTAL | 65 |
| Academic | 5 |
| Alternative Placement | 3 |
| Attendance | 1 |
| Behavioral Issues | 4 |
| Change in Career Plans | 4 |
| Cyber/Charter School | 2 |
| Dropped Out of School | 3 |
| Facility | 1 |
| Failing Grades | 5 |
| Graduated/GED | 4 |
| Homebound Instruction | 3 |
| Inappropriate Placement | 2 |
| Lack of Credits towards Graduation | 1 |
| Medical | 1 |
| Moved Out of District | 12 |
| Returned to Sending School | 14 |

Section 2: Occupational Achievement Scores – NOCTI

| Year | Tests | | | Competency Awarded | | PA Skills Certificate Awarded | | Composite Comp/Adv | |
|------|--------------|-----------|------|--------------------|------|-------------------------------|------|--------------------|------|
| | Administered | Completed | Rate | Number | Rate | Number | Rate | Number | Rate |
| 2017 | 204 | 204 | 100% | 54 | 27% | 133 | 65% | 187 | 92% |
| 2016 | 201 | 201 | 100% | 44 | 22% | 140 | 70% | 184 | 92% |
| 2015 | 208 | 208 | 100% | 34 | 16% | 152 | 73% | 186 | 90% |
| 2014 | 216 | 216 | 100% | 42 | 19% | 156 | 72% | 198 | 92% |
| 2013 | 221 | 221 | 100% | 34 | 15% | 162 | 74% | 196 | 89% |
| 2012 | 188 | 188 | 100% | 45 | 24% | 130 | 69% | 175 | 93% |
| 2011 | 214 | 212 | 99% | 44 | 21% | 131 | 62% | 175 | 83% |
| 2010 | 217 | 217 | 100% | 31 | 14% | 118 | 54% | 149 | 69% |
| 2009 | 213 | 206 | 97% | 36 | 17% | 98 | 46% | 134 | 63% |
| 2008 | 140 | 128 | 91% | 16 | 11% | 56 | 40% | 72 | 51% |
| 2007 | 125 | 120 | 96% | N/A | N/A | 51 | 41% | N/A | N/A |

Section 3: Industry Certifications - Historical

| Year | Industry Certifications Earned |
|----------------|---------------------------------------|
| 2016-17 | 1814 |
| 2015-16 | 1920 |
| 2014-15 | 1730 |
| 2013-14 | 1544 |
| 2012-13 | 1207 |
| 2011-12 | 1077 |
| 2010-11 | 1119 |
| 2009-10 | 954 |
| 2008-09 | 1000 |
| 2007-08 | 721 |
| 2006-07 | 617 |
| 2005-06 | 509 |
| 2004-05 | 691 |

Section 4: Attendance Data

| School District | 16-17 |
|---------------------------------|---------------|
| Average Daily Attendance | 88.40% |
| Central Bucks | 90.39% |
| Centennial | 87.92% |
| Council Rock | 87.20% |
| New Hope-Solebury | 88.07% |

PDE Benchmark = 90% ADM

Section 5: MBIT Draw from Total District Population – Historical

| School District | 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 | 2011-12 | 2010-11 |
|-------------------|---------|---------|---------|---------|---------|---------|---------|
| Central Bucks | 8.1% | 7.90% | 8.50% | 8.80% | 9.60% | 8.00% | 7.90% |
| Centennial | 14.1% | 14.80% | 14.70% | 14.60% | 14.40% | 14.40% | 12.40% |
| Council Rock | 5.0% | 4.70% | 4.60% | 4.10% | 4.10% | 3.70% | 4.10% |
| New Hope Solebury | 5.8% | 7.90% | 5.40% | 3.70% | 5.30% | 5.40% | 4.20% |

Note: Total population represents 10th – 12th grades

Section 6: Placement Data

| Students in Work-Based Experiences | |
|--|----|
| Cooperative Education Placements | 68 |
| Non-Paid Internships | 71 |
| Participating Employers | 62 |
| Employment Opportunities filled by MBIT Students | 68 |

| Post Secondary Plans |
|--|
| 67% - Post-secondary education (2 or 4 year program) |
| ○ 86% - Plan to study a college program related to MBIT training |
| ○ 43% - Bucks County Community College |
| ○ 8% - Penn College of Technology |
| 31% - Full-time employment |
| 2% - Military |

Section 7: Adult and Industry Education Enrollment

| Adult Evening School Enrollment History 2010-2017 | | | |
|--|-----------------|-------------------|-------------------|
| School Year | Fall Enrollment | Spring Enrollment | School Year Total |
| 2016-17 | 274 | 316 | 590 |
| 2015-16 | 323 | 328 | 651 |
| 2014-15 | 306 | 254 | 560 |
| 2013-14 | 345 | 349 | 678 |
| 2012-13 | 275 | 276 | 551 |
| 2011-12 | 346 | 335 | 681 |
| 2010-11 | 232 | 314 | 546 |

| Adult Day School Enrollment History 2010-2017 | |
|--|-------------------|
| School Year | School Year Total |
| 2016-17 | 5 |
| 2015-16 | 5 |
| 2014-15 | 8 |
| 2013-14 | 13 |
| 2012-13 | 10 |
| 2011-12 | 17 |
| 2010-11 | 14 |

****Adult Education earned a profit of \$4,923 during the 2016-17 school year**

Section 8: School Climate (Student Perception)

Curriculum and Instruction

93% - Instruction was well planned with a balance of theory and lab experiences

90% - Lessons were challenging and kept students' interest

94% - Students felt encouraged by staff to do their best and got help when needed

88% - Homework was assigned on a regular basis

92% – Learned a lot and enjoyed their Program of Study at MBIT

School Climate

92% - MBIT students feel safe at MBIT

79% - MBIT students are friendly and respect one another

Safety

95% - Classroom and labs provide a safe and clean environment

93% - School rules are enforced to ensure a safe and positive environment

86% - Efforts are made to reduce or eliminate discrimination, harassment and other negative behaviors

97% - Safety was emphasized in the classroom and lab

Emotional Wellness

89% - A staff member is always available to talk to me when I have a need

88% - Feel they are a valuable member of society

81% - Have not had thoughts about ending their life

85% - Can forgive themselves for making a mistake and move on

46% - Think about issues in their life that make it hard to concentrate in school

51% - Keep failures/disappointments to themselves to avoid being judged

Drug and Alcohol Use

13% - Have used illegal drugs or prescription medication not prescribed to them

20% - Have consumed alcohol

6% - Have been under the influence of an illegal drug or alcohol while at MBIT

12% - Have witnessed drugs being sold or distributed at MBIT

8% - Have direct knowledge of a students bringing a weapon to school

Recruitment – How Do Students Hear About Middle Bucks?

50% - Friends

48% - Open House

36% - Sending School Guidance Counselor (Middle School)

29% - Presentation by MBIT Staff

26% - Sending School Guidance Counselor (High School)

21% - Siblings

10% - Internet

4% - Social Media

Section 9: School Climate (Staff Perception)

How satisfied are you with working at MBIT?

| | |
|--------------------------|------|
| Administration | 100% |
| Teachers | 72% |
| Instructional Assistants | 100% |
| Support Staff | 93% |

Would recommend MBIT as a good place to work.

| | |
|--------------------------|------|
| Administration | 100% |
| Teachers | 81% |
| Instructional Assistants | 94% |
| Support Staff | 100% |

Strengths:

- All staff and departments within the school work together to support students
- School operations run smoothly; well established practices and procedures
- Supplies and equipment are available to support the curriculum
- Friendly atmosphere

Areas for Improvement:

- Improve relationships with sending school districts
- Communication between departments and staff
- Consistent implementation of Student Code of Conduct
- Increase marketing strategies to boost enrollment

Section 10: Summary

Strengths:

- NOCTI Scores 92% Proficient or Advanced
- Students earned a total of 1814 industry recognized certifications during the 2016-17 school year
- Non-paid Internships for students doubled over the previous year from 32 to 71 students.
- Students responded positively to school climate, quality of instruction and safety
- Students cited friends (49%) and Open House (47%) as primary recruitment sources
- 78% of students plan to study a college program related to their MBIT training
- Li'l Bucks earned a profit of \$9,302.89 during the 2016-17 school year

Opportunities for Improvement:

- Improve relationships with the sending school districts
- Increase marketing strategies to boost enrollment
- Promote student discipline practices to foster a safe, supportive and productive learning environment