

2025–2026 Wi-Fi & Broadband Technologies Program Review

Form: Annual Program Review

Submitted by: Jesse Royston (13451)

Submitted on: 1/7/2026

Program: Wi-Fi & Broadband Technologies

Year: 2025-2026

Begin Date: 01/07/2026

A. Program Learning Outcomes

Program learning outcomes meet industry and community trends and support the mission of Mitchell Technical College.

1. Date of Review: 01/07/2026

2. Explain how program outcomes were reviewed this year (i.e., input from advisory board, instructors, students, etc.) and changes made, if any:

Outcomes were reviewed by the advisory board. The WBT program, along with its advisory board, has decided to add a 1-year diploma option to the program.

3. Outcomes are up-to-date in Coursedog and on the program's web page. Yes

B. Course Syllabi

Course syllabi in the program include the following components (Select Yes if course syllabi include the component.):

- Course title and number — Yes
- Credit hours — Yes
- Instructor — Yes
- Instructor office hours/contact information — Yes
- Prerequisites — Yes
- Course description — Yes
- Competencies — Yes
- Required text(s) — Yes
- Grading criteria — Yes
- Freedom of expression statement — Yes
- Academic integrity policy — Yes
- ADA statement — Yes
- Nondiscrimination statement — Yes

Date of Review: 01/07/2026

Check here if syllabi are up-to-date in Courseedog. Yes

Explain which syllabi were reviewed this year; input received from advisory board, instructors, students, etc. regarding course objectives and textbooks used; and changes made, if any:

Curriculum Review WBT 246. Reviewed the topics in the class. Determined Grounding/Bounding and C.O. Power essential need – often overlooked. Signaling – analog and digital reduction of what is being taught, SS7 high level overview class 30 minutes or less, WDM high level overview, and SONET high level over view class.

C. Program Competencies

1. Date of Review 01/07/2026

2. Explain how competencies were reviewed this year (i.e., input from advisory board, instructors, students, etc.) and changes made, if any:

Competencies for WBT 246 were reviewed and discussed at the SP 25 advisory board meeting. Competencies are being met and will stay as they are.

3. Competencies are up-to-date in Courseedog. Yes

D. Course Assessments

Instructors in the program will a.) use a variety of assessment instruments and tools; b.) assess identified program learning outcomes and competencies; and c.) include assessment of higher-level thinking skills, such as application, analysis, synthesis, and evaluation.

1. Indicate which kinds of assessments are used in your program:

- Oral examinations/presentations — Yes
- Written essays — Yes
- Written reports — Yes
- Examinations — Yes
- Comprehensive final exams — Yes
- Journals — No
- Peer evaluations — Yes
- Self-evaluations — Yes
- Clinical/internship observations — Yes
- Class participation — Yes
- Portfolio projects — Yes
- Capstone projects — Yes
- Other projects — Yes
- Videos of student mastery — No
- Quizzes — Yes
- Lab demonstrations — Yes
- Simulations — Yes

2. Check here if assessments used in the program are matched to the outcomes/competencies for the program. Yes

3. Explain changes in the assessments used in your program since your last review (include input received and rationale):

WBT151 Results located in MyTEch, Past Courses, WBT151, Coursework, Safety, Safety Test. Class benchmark was 85%, advisory board approved an increase to 90%, which we met. Average score in Spring 25 was 92.4%. Benchmark met.

4. Give examples of how assessments used in the program reflect higher-level thinking skills, such as application, analysis, synthesis, and evaluation.

We added a practice test for students to complete prior to taking the written Safety Test. By reaching the benchmark students have shown that they are competent with safety materials that are used in the lab.

E. Certifications

If available, the program uses industry and/or program certification tests to assess student mastery of learning objectives or competencies. Verify that certifications and licensures are saved in the Industry Certifications library on your program's SharePoint page.

Explain any changes made or planned in the program based on assessment of industry certifications used in the program:

Jesse is planning on completing an Advanced OSP Technician training through the Light Brigade. Michael completed Networking 101 for Technicians Certificate on March 24, 2025.

F. Program Internships/Externships

If applicable, the program uses internships, externships, or on-the-job training to assess student mastery of learning objectives or competencies.

1. How do you evaluate program competencies or learning objectives during internship/externship experiences?

WBT290 Internship Evaluations 3.0 average. On a scale of 1-5 on item H4 of the employer evaluation. (WBT290 Results located in MyTEch, Past Courses, WBT290, Coursework, unit 1, H4 Assessment). Class average benchmark is 3.0 - Summer 2025 the class average was 4.36. Benchmark met.

WBT290 Internship Evaluations 3.0 average. On a scale of 1-5 on item G3 of the employer evaluation. (WBT290 Results located in MyTEch, Past Courses, WBT290, Coursework, unit 1, G3 Assessment). Class average benchmark is 3.0 average. Summer 2025 the class average was 3.71. Benchmark met.

(WBT290 Results located in MyTEch, Past Courses, WBT290, Coursework, unit 1, H5 Assessment). Class average benchmark is 3.0 average. Summer 2025 the class average was 4.27. Benchmark met.

(WBT290 Results located in MyTEch, Past Courses, WBT290, Coursework, unit 1, I3 Assessment). Class average benchmark is 3.0 average. Summer 2025 the class average was 4.64. Benchmark met

2. As you reviewed results of internship/externship evaluations, what curriculum changes were made or are planned in your program?

Additional fiber splicing and splice closure exercises are planned in WBT 151.

H. Enrollment

Five-year data for this program will demonstrate that the program's 10-day count is at or above 75% of its enrollment cap.

Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.

Count is 9. Cap is 24. 38 %. Benchmark is not met. Advisory board and the program has decided to add a 1-year diploma option to the program. It is our belief that this can help with low enrollment numbers.

I. Retention

Five-year data for this program will demonstrate that 75% or more of enrolled students complete their program or return to MTC the following year.

Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.

Last year 26. Returned 23. 88% Benchmark met.

J. Graduation

Five-year data for this program will demonstrate that 70% or more of exiting students complete this program with a diploma or degree.

Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.

Exited 16. Graduated 12. 75%. Benchmark was met.

K. In-field Job Placement

Five-year data for this program will demonstrate that 80% or more of graduates in the labor market obtain employment in the program field.

Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.

2024 - 9 in labor pool, 8 employed in = 89%, \$21.93. No data for 2025

L. Student Satisfaction

Students in this program indicate an excellent level of satisfaction with their instruction, as demonstrated by no gaps exceeding 1.0 on questions related to instructional effectiveness on the most recent Noel-Levitz Student Satisfaction Inventory survey.

If this benchmark is not met, what strategy or strategies will be implemented to address this measure?

N/A Not assessed this cycle

M. Alumni Satisfaction

Institutional surveys of alumni indicate an 80% or greater satisfaction with their career preparation in this program.

If this benchmark is not met, what strategy or strategies will be implemented to address this measure?

N/A Not assessed this cycle

N. Employer Satisfaction

Employers respond favorably 80% of the time when surveyed about the quality of this program.

If this benchmark is not met, what strategy or strategies will be implemented to address this measure?

N/A Not assessed this cycle

O. Professional Development

Instructors in this program demonstrate a commitment to their own professional development by completing continuing education activities each year.

1. What professional development activities have instructors in this program completed in the last year?

Membership to Society Of Cable Telecommunications Engineers. Cost of \$105. Michael completed Networking 101 for Technicians. Attended SDTA Fall Plant and Technology Workshop.

2. How were these activities used to improve this program?

Training was implemented into new classes that the instructors are teaching (WBT 260, WBT 267, WBT 156)

P. Professional Organizations

Instructors in this program are members of professional organizations and encourage their students to pursue such memberships.

1. Do faculty members belong to professional organizations associated with this program? Yes

2. Are students made aware of the professional organizations for their career field? Y

Q. Advisory Board Recommendations

Suggestions and changes recommended by this program's advisory board are addressed and implemented by the program. Verify that minutes are saved in the Advisory Board Minutes library on your program's SharePoint page.

What changes were or will be made to this program based on feedback provided at the past year's advisory board meeting(s)?

A 1-year diploma option is being added to the program. Schedules will be adjusted to meet this change in the program.

Indicate the personnel responsible for implementing the change(s): Michael Benjamin & Jesse Royston

Implementation date: 08/24/2026

R. Program Improvement Plans

As you review this past year, what changes do you propose for the next school year that will affect the program's budget?

Jesse plans on attending an in-person fiber optic training. Would like to update fiber optic fusion splicers in the lab. Update switches and routers in the Networking classes.

Anticipated costs: Training : \$4,000. Splicers: \$28,000. Networking Equipment: \$35,000.

Email Address: Jesse.Royston@mitchelltech.edu

Email 1: marla.smith@mitchelltech.edu