

Program Student Learning Outcomes Assessment Summary (AY 2016-2017)

Program Student Learning Outcomes (PSLOS)

At the completion of **AAS Telecommunication Program** the student will be able to:

5. Practice career in telecommunication industry.
6. Troubleshoot microwave, fiber optic, radio communication and telephone system

PSLO Assessment Report Summary

What we looked at:

The AAS Telecommunication Program assessment, focus on PSLOs 5 and 6. Students' performance were assess while performing the assigned task in telecommunication worksite and at laboratory hands-on activity using various communication circuits and devices. Listed below are the results for each of the PSLOs.

What we found:

The Target PSLO 5 and 6 requires at least 70% of the student should be able to get a grade of "C" or better and able to attend On-the-job training at telecommunication industry and troubleshoot telecomm cables and system devices.

- VEE 250 (Cooperative Education) - 100% or 10/10 of the students pass on the performance task assessment and able to practice a career in telecommunication and IT facilities by attending on-the-job training.
- VEE 230 (Radio Communication) – 100% or 14/14 of the students pass on troubleshooting hands-on assessment and able to repair radio communication system.
- VTE 260 (Microwave) 100% or 12/12 of the students pass on troubleshooting hand-on assessment and able to repair microwave communication system using NIDA system trainer.
- VTE 261 (Fiber optics) 100% or 26/26 of the students pass on troubleshooting hand-on assessment and able to terminate, connect and test fiber optics cable using industry standard connectors and equipment.
- VTE 280 (Telephone system) 100% or 12/12 of the students pass on troubleshooting hand-on assessment and able to repair telephone set using telephone module kit board.
- VTE 281 (Cellphone servicing) 100% or 22/22 of the students pass on troubleshooting hand-on assessment and able to repair hardware and software related problem of cellular phone.

What we are planning to work on:

- Expand the list and continue partnership with industry partners in telecommunication to help and support the program learning outcome improvement to meet the industry skills demand to ensure students graduate employability.
- Update and revise course content of the program according to certification competency standards.
- Identify worn out and defective NIDA cards and trainers use for telecommunication instruction for budgeting and purchase schedule.
- Convert VTE 281 (Cellular phone servicing) as technical requirement course instead of elective course.

Recommendations for students:

Students must finish all the 100 level technical courses with the grade of “C” or higher to make sure the success rate of passing the 200 level courses of the program. Special emphasis should also be given to English and Math courses.

They should also be proficient in reading diagrams, measurement and reading of testing instruments, checking and testing of active and passive electronics components, and must have a good soldering skills.