



## CASE STUDY

### Overview

Wayne Community College, located in Goldsboro, North Carolina, is a public community college offering over 70 credit programs. Annually, it serves over 14,000 curriculums, including Artificial Intelligence, Cybersecurity, IT Business support, and many more Cloud Technology programs. Affiliated with the North Carolina Community College System, it plays a vital role in the state's educational landscape.

### Challenge

Among the various challenges faced by Wayne Community College, as part of their CSC 215 - Machine Learning II program they wanted to teach students to use Azure ML services and to take the AI-900 exam to get certified. Once they explored CloudLabs' AI-900 prebuilt labs, they promptly joined us to facilitate hands-on training to students.



Wayne Community College required comprehensive instructional materials to guide students through each lab task. This was essential to ensure students acquired the necessary skills by completing labs accurately and achieving desired outcomes.



A notable challenge in facilitating hands-on AI education was the scarcity of resources. Although Microsoft's Azure for Students offers free starter subscriptions, it imposes limitations on resource accessibility. Consequently, faculty members would have to dedicate substantial time to developing their own resources.



## Solution

Wayne Community College found an all-encompassing hands-on lab solution in CloudLabs for their CSC 215 - Machine Learning program. Harnessing cloud-hosted simulated environments, the training process is streamlined from start to finish, eliminating the complexities typically associated with cloud-based training. CloudLabs provided pre-built AI-900 labs, comprising 17 modules per user, complete with detailed guides and practice tests.

1 CloudLabs' pre-built AI-900 labs necessitate no additional setup, ensuring instant deployment for instructors and effortless access for students. Through seamless single-click distribution via a shared URL, students can easily access labs, with scalability based on user count. This straightforward solution minimizes troubleshooting, making it ideal for practical AI-enabled learning.

2 Students and faculty can rest assured, as CloudLabs ensures access to all necessary resources without concern for depleting free cloud credits. As a Microsoft Authorized Lab Host, CloudLabs offers labs for all MOC courses, featuring fully managed pre-built labs with no additional cloud expenditure. Everything is encompassed within a fixed budget, eliminating unforeseen expenses associated with cloud training programs.

3 To facilitate students in completing various tasks within simulated lab environments, CloudLabs platform provides detailed lab guides with step-by-step instructions. This ensures students thoroughly follow the process, minimizing the potential for human error during lab assignments.

4 For successful lab completion and identification of areas for improvement, CloudLabs offers a lab validation feature. Upon task completion, students can validate their labs through the virtual machine. A successful validation status indicates task completion, while any missed or incorrect steps prompt students to review and correct their work.

## Conclusion

In conclusion, the partnering with CloudLabs has been instrumental for Wayne Community College to seamlessly deliver Machine Learning program to students. CloudLabs' platform effectively addressed challenges in lab guides, resource limitations, and lab accessibility, resulting in an enhanced learning experience for students and streamlined teaching processes for faculty. The noteworthy achievement of a 100% passing rate for the AI-900 certification underscores the efficacy of CloudLabs' AI-900 labs in adequately preparing students for success. With this remarkable outcome, coupled with CloudLabs' ongoing support, Wayne Community College is well-positioned to continue delivering cutting-edge AI education, equipping students with the requisite workforce-ready skills and knowledge to excel.



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