Program Unit: Cyber Security Engineering MS

College/School: Shiley-Marcos School of Engineering

Assessment Overview
Student work will be collected and reviewed annually by the Cyber Security Curricular Review Committee led by USD’s Director of Cyber Security Programs, John Callahan. The committee review will assess achievement of course-level learning objectives. This assessment will be used to direct course and program improvements. In addition to the curricular committee of faculty, an advisory board representing external stakeholders will have periodic meetings to review and ensure that program-level outcomes are appropriate.

Results Summary
This is a new program that started in 2016. Since assessment is performed annually, there are not yet results for this program. For future years, assessment would follow the process described. For example, for program student learning outcome 5, “Students will be able to design and evaluate trusted systems and implement designs into secure systems.” Samples of a design review document from “CYBR 560: Trusted Systems Design, Development and Analysis” would be reviewed by the curricular committee, as would evaluation criteria and documentation developed in that same course. Then, student laboratory work from “CYBR 570: Secure Systems Engineering” to evaluate students’ ability to apply design principles that incorporate principles of secure systems architecture. Following this review, the committee would be able to consider what steps to take to improve student learning of that outcome.