The capstone student focused on four main objectives that guided the development of the capstone project. Research shows how important occupational therapy’s role is in the rehabilitation process of a person with a UE prosthesis. The most ideal situation for rehabilitation training is for a prosthetic clinic to have access to an OT on site. Therefore, the capstone student composed a rationale for the cost of contracting an occupational therapist for OT services related to UE prosthetic training. Through the project, a report was generated for Buckner on billing and reimbursement for OT services and ideas for contracting an OT. A prosthetic clinic might have access to an OT to provide services, yet studies show that OTs receive little, if any, education related to prosthetics. The capstone student developed a rehabilitation assessment program focusing on occupational therapy for patients with an UE amputation. This template serves as a quick reference guide to provide the progression of OT training. The capstone student also developed a tool related to patient education and ideas for contracting an OT.

Lastly, the capstone student investigated how to determine success of an UE prosthetic device through 11 patients with an unilateral UE amputation. The participant had with the device points to the critical role of OT in the early stages of prosthetic care. (Resnik, Borgia, Heinemann & Clark 2020). Prosthetics have been used for ages, and technology is advancing every moment to make the devices better. A person with a prosthetic needs lifelong care due to changes in shape of the residual limb and durability of the device. A person will need a new prosthetic every few years. The prosthetist has to consider the financial situation of the person.

Malone et al. (1984) showed a 93% success rate for patients who fit within 30 days of the amputation and only 42% success rate for patients who were fit after 30 days. Additionally, a cross-sectional study showed the satisfaction the participant had with the device points to the critical role of OT in the early stages of prosthetic care. (Resnik, Borgia, Heinemann & Clark 2020).

The purpose of this Capstone Project is to explore how people with upper extremity prosthetics utilize their device and the role OT plays in accomplishing their everyday desires.