

1116-A1-1612 **Risto Atanasov*** (ratanasov@email.wcu.edu), Western Carolina University, Dep. of Mathematics and Computer Science, Cullowhee, NC 28723. *Discrete Structures Projects - Addressing the Needs of Three Majors.*

The Discrete Structures course offered at Western Carolina University is a required course for three majors: computer science, mathematics, and mathematics education. The greatest challenge in this class is to provide each group of students with meaningful connections between the material and their major. Even though the syllabus is designed to meet the needs of every one of these three groups, I assign projects in the class that are closely related to students' interests and to other classes required for their major. For example, the students majoring in computer science do projects that relate to searching or sorting algorithms; these projects always have a programming component as well as a component that incorporates proof-writing and mathematical problem-solving skills. The focus of this presentation will be the projects assigned in the course. (Received September 20, 2015)