Discover Facts, Enrich Artistic Ability, and Increase the Sum of Knowledge: Get Involved in Undergraduate Research

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Abstract: Over the last several years, there has been a proliferation of summer and semester-long undergraduate research experience programs in mathematical sciences. Besides those sponsored summer research programs, academic year research for undergraduate students at their home institution becoming popular. Mathematics faculty around the country are getting involved with this type of research and administrators are encouraging this effort. Research with faculty during the regular academic year, at a student's home institution, provides a different type of opportunity. Such academic-year research experiences expand possibilities for undergraduates, proceed with time for students to reflect as they work and can be extended to allow students to complete substantial work. Since 2007, we have been conducting academic year research at Lamar University. This study describes our academic year research program.