Mission / Purpose

The Advanced Materials Research Institute (AMRI) is a multidisciplinary research institute founded in 1997 as a consortium for training, research, and technology transfer in advanced materials and nanoscience. Since inception, AMRI has sought close relationships with partners from industry, federal agencies and other academic institutions to bring multidisciplinary teams together to solve problems in order to support the region’s economic growth. To date, AMRI has vigorously worked to advance the tools, techniques and state of knowledge in advanced materials and nanoscience. The interactions with corporate laboratories provide a synergistic pathway that promotes technology transfer and private sector involvement in the operation of AMRI. The Advanced Materials Research Institute contributes to the mission of the University of New Orleans in its three areas of responsibility: research, technology transfer, and public service.

Student Learning Outcomes/Objectives, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 7: Effective researchers
Training doctoral students to be effective researchers in Materials and Nanoscience

SLO 8: Industrial internships
Provide graduate students real-life job experiences through industrial internships

Other Outcomes/Objectives, with Any Associations and Related Measures, Targets, Findings, and Action Plans

O/O 1: Annual funding
Increase federal and state funding annually by 25%

O/O 2: AMRI national/international profile
Increase AMRI national/international profile by increasing publications/presentations and impact of the publications. Numbers of presentations and publications should increase annually by 10% averaged out over the number of faculty. Numbers of citations should also increase by 10% annually. Increase the number of publications in higher impact journals.

O/O 3: Collaborative projects
Increase collaborative projects both within and outside the University. Collaborations will be three pronged: academic, government and industrial. AMRI has a long history of collaborative projects. Maintaining current level will be challenging in itself.

O/O 4: Increase number of graduate students
Increase numbers of Ph.D. graduate students by 10% each year

O/O 5: Efficient management
Efficient management of purchasing operations

O/O 6: Effective and timely support
Effective and timely support for principal investigators to complete financial matters