

College of Integrated Science and Technology

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MSC: 4101

Web site: <http://www.jmu.edu/cisat/>

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Academic Units

Department of Communication Sciences and Disorders	157
Dr. Vicki A. Reed, Head	
Department of Computer Science	168
Dr. Malcom G. Lane, Head	
Department of Health Sciences.....	195
Dr. Robert Koslow, Head	
Department of Integrated Science and Technology.....	208
Dr. Pauline K. Cushman, Interim Head	
Department of Kinesiology	222
Dr. Michael S. Goldberger, Head	
Department of Nursing	254
Dr. Merle E. Mast, Head	
Department of Psychology	271
Dr. Michael Stoloff, Head	
Department of Social Work	275
R. Ann Myers, Head	

The College of Integrated Science and Technology encompasses programs of professional education whose common denominator is the use of science and technology to enhance the quality of life in the modern world.

Over the past several decades, remarkable developments have occurred in science and technology, altering our lives and our society. Continued development of human civilization, as well as of the quality of life in American society, depend on the integration of scientific knowledge, on technical capabilities, on the application of ethical principles, and on an understanding and appreciation of cultural commonalities and differences. Consequently, there is a need for individuals who understand the importance of discipline specialization, as well as cross-disciplinary connections, and also the integration of knowledge for practical application. These individuals must have the flexibility to be able to operate in an environment of uncertainty and complexity, the drive to seize such opportunities as may arise, and the vision and creativity to create new opportunities as needed. Our faculty is dedicated to producing graduates with a scientific knowledge base and a matching set of interpersonal, organizational and technical skills. To this end the faculty not only educates our students, but also serves as a source of inspiration and as role models.

The college places importance on carrying out its role within the community of Academic Affairs, working collaboratively with other colleges, and working in support of division-wide programs and priorities.

Mission Statement

The primary mission of the college is to educate students in the areas of the applied sciences, health, technology and human services, as well as to prepare them to enter professions or to undertake advanced study.

Goals

The goals of the College of Integrated Science and Technology are:

- to develop and sustain a community of faculty that pursues high-quality instructional, scholarly and service opportunities.
- to foster, among both faculty and students, life-long professional development, personal growth, and commitment to ethical behavior.
- to contribute to the betterment of society at local, regional, national and global levels.
- to promote and support a collaborative, interdisciplinary perspective.
- to emphasize innovation.
- to promote the wise use of appropriate technology and the application of scientific principles to everyday life.
- to encourage partnerships with industry, government, public and private agencies, and professional organizations.

Majors and Programs

Students may select from a variety of majors, minors, programs, concentrations and tracks that are available through the eight undergraduate departments in the College of Integrated Science and Technology. Programs offered include the following:

Majors and Programs

- Athletic Training
- Biotechnology
- Communication Sciences and Disorders
- Computer Science
- Dietetics
- Exercise Science
- Geographic Science
- Health Assessment and Promotion
- Health Sciences
- Health Services Administration
- Health Studies
- Information Analysis
- Integrated Science and Technology
- Physical and Health Education Teacher Education
- Kinesiology
- Nursing
- Occupational Studies
- Psychology
- Public Health Education
- Social Work
- Sport and Recreation Management

Minors

- Coaching Education
- Communication Sciences and Disorders
- Computer Science
- Environmental Information Systems
- Environmental Management
- Family Studies
- Geography
- Gerontology
- Human Sciences
- Integrated Science and Technology
- Materials Science
- Nonprofit Studies
- Sport Communication
- Substance Abuse Intervention
- Telecommunications
- Urban and Regional Studies

Interdisciplinary Programs, Outreach Programs, Partnerships and Academic Centers

The College of Integrated Science and Technology places a high value on partnerships with the community. These partnerships and our outreach programs are integral to our academic programs and assist us in meeting our responsibility to participate in efforts to enhance the well being of our community. We value the impact of experiential activities on the enrichment of student learning. Many of the programs within the college are interdisciplinary in nature, reflecting our commitment and supporting the mission of the college. Further details about these interdisciplinary programs are provided in the "Interdisciplinary Programs" section of the catalog. A listing of our centers, outreach programs and partnerships may be found on the CISAT Web site.