

Engineering Science Junior-Year Assessment
Department of Physics
Manchester College

The departmental assessment for **Engineering Science Majors** consists of a written examination taken during the Spring Semester of the Junior year.

The examination:

During the academic year immediately prior to entry into an Engineering Program (usually the Junior year), the student must schedule an examination with the physics faculty at a mutually agreeable time. The student will take a written examination intended to assess his/her problem solving skills in four fundamental areas of physics: Newton's laws and the conservation of energy, the laws of thermodynamics, Maxwell's equations, and modern physics. The examination is a multiple-choice test written in the spirit of the Physics Graduate Record Exam. The student will have two hours to complete the examination.

The examinations will be graded pass/not pass with a pass level of 52%. Opportunities to retake the exams will come at not less than two-week intervals, and will typically include additional requirements intended to strengthen the problem-solving skills of the student.

For more information, contact Dr. Clark or Dr. Watson.