### SELECTED PROGRAM OUTCOMES

<table>
<thead>
<tr>
<th>Principles and Foundations of Classical and Modern Physics (Including Basic Examples)</th>
<th>Ability to Generalize and Extend Theories for Complex Applications</th>
<th>Methods and Techniques of Experimental Physics including Error Analysis</th>
<th>Problem Solving Techniques and Skills</th>
<th>Technical Communication Skills</th>
<th>Relationship between Physics and other Sciences and with Society</th>
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**Course Descriptions**

**PHY111:** Insights into Physics

**PHY141:** General Physics I

**PHY141L:** Introduction to Measurement I

**PHY142:** General Physics II

**PHY142L:** Introduction to Measurement II

**PHY241:** General Physics III

**PHY241L:** Introduction to Measurement III

**PHY242:** Modern Physics

**PHY312:** Dynamics

**PHY321:** Advanced Experimental Physics I

**PHY322:** Advanced Experimental Physics II

**PHY491:** Advanced Research Projects I

(+ 6 hrs ≥ 200)

**MAT 151:** Calculus and Analytic Geometry I

**MAT 152:** Calculus and Analytic Geometry II

**MAT 201:** Calculus and Analytic Geometry III

**MAT 202:** Differential Equations

**MAT301:** Advanced Mathematical Methods I

(+ 15 hrs whatever)
Thomas More College
Curriculum Maps Legend

1. OUTCOME STATEMENT (Column 1):

The program outcome is (E) EXPLICITLY or (I) IMPLICITLY stated in the course syllabus as being one of learning outcomes for this course.

2. LEVEL OF CONTENT DELIVERY (Column 2):

(I) INTRODUCES- Students are not expected to be familiar with the content or skill at the collegiate or graduate level. Instruction and learning activities focus on basic knowledge, skills, and/or competencies and an entry-level complexity.

(E) EMPHASIZES- Students are expected to possess a basic knowledge and familiarity with the content or skills at the collegiate or graduate level. Instruction and learning concentrates on enhancing and strengthening knowledge, skills, and expanding complexity.

(R) REINFORCES- Students are expected to possess a strong foundation in the knowledge, skill, or competency at the collegiate or graduate level. Instructional and learning activities continue to build upon previous competencies and increased complexity.

(A) APPLIES- Students are expected to possess an advanced level of knowledge, skill, or competency at the collegiate or graduate level. Instructional and learning activities focus on the use of the content or skills in multiple contexts and at multiple levels of complexity.

3. DEMONSTRATION OF LEARNING (Column 3):

Students are asked to demonstrate their learning on the outcome through tests (T), written work (W), oral presentations (O), and/or projects (P) and are provided with formal feedback. In some cases, individual departments have tailored this legend to include discipline-specific learning outcomes.