

SE&T Colloquium Series-Winter 2013

Speaker	Dr. Tony Crachiola Department of Mathematical Sciences
Title	<i>What is a Grobner basis?</i>
Abstract	<p>A Grobner basis is a list of polynomials with special properties. You can think of a Grobner basis as a means to better understand a given system of polynomial equations. It is a notion from abstract algebra which has become increasingly useful in a variety of applications such as integer programming, robotics, graph theory -- anywhere you need to solve systems of equations! Grobner bases are easily computed using Maple or similar software.</p> <p>I will introduce Grobner bases and give examples of applications. The talk is aimed at a general audience of math/science students and faculty.</p>
Date	Tuesday, February 5
Time	4:10-5:00pm
Place	Pioneer 240
	Refreshments will be served at 4:00pm.