M.S. in Physics: Professional in Photovoltaics
Began Fall 2010; Program Director: Prof. Sanjay V. Khare
(Contact: http://astro1.panet.utoledo.edu/~khare/)

I. Objectives

The primary objective of this program is to offer a Master of Science (MS) program in Physics with a concentration described as Professional in Photovoltaics (PV) (MS-PP) as a terminal degree with immediate employment prospects in industry. The MS-PP degree is a "job ready" degree.

For details go to: **http://astro1.panet.utoledo.edu/~khare/ms-pp/index.html .**

II. Targeted Students: The MS-PP program will be targeted to students completing a B.S. in Physics, Materials Science or related Engineering disciplines such as Electrical, Chemical, or Mechanical.

A table showing the complete flow through of the program is shown below.

Table I. Scheduling of classes for the MS-PP program. Number of credits shown as (x) for each course. Total of 37 credit hours to be completed in 24 months.

Semester	**Standard Courses (Credits)**	**Individualized**
First Year, Fall	Quantum Mechanics I - PHY 6320 (3) Semiconductors I - PHY 6630 (3) Technology Commercialization – EFSB 6690 **OR** New Venture Creation – EFSB 6590 (3) Physics Journal Seminar – PHY 6020 (1)	
First Year, Spring	Classical Electrodynamics I – PHY 6250 (3) Fundamental of Solar Cells - PHY 6980 (3) Supply Chain Management – BUAD 6600 (3) Physics Journal Seminar – PHY 6020 (1)	
First Year, Summer	None	PV research at UT – PHYS 6960 (2)
Second Year, Fall	Photovoltaic Materials and Device Physics Laboratory – PHY 6280 (3) System Analysis and Design – INFS 6560 (3)	Independent Study – PHYS 6990 (3)
Second Year, Spring and Summer	None	Internship Program at Company – PHYS 6940 (6 total)

Application Process: Applicants may submit applications following procedures outlined at: http://www.utoledo.edu/as/physast/forms.html .