

**Tarleton Observatory
Student Research Projects**

Student	Type	Major	Title of Research Project	Advisor
Teresa Sykes	G	ES	Photometric Investigation and Absolute Dimensions of the Eclipsing Binary Star BX Draconis	Dr. Goderya
Josh Jenkins	G	Math	Classification of Eclipsing Binaries using Fourier Analysis	Dr. Goderya
Jonez Peterson	UG	ENPH	Collection of data on known eclipsing binary stars	Dr. Goderya
Robert Mangelberger	UG	ENPH	Astronomical Data Reduction with IDL/PODEX and Mira Pro software	Dr. Goderya
Amanda Couch	UG	ES	Period determination and light curve construction of DU Lyra	Dr. Goderya
Amanda Couch	UG	ES	Light curve modeling of DU Lyra with Wilson-Devinney model	Dr. Goderya
Avery McChristian	UG	ES	Photometric Investigation of Eclipsing Binary WY Tau	Dr. Goderya
Avery McChristian	UG	ES	Preliminary CCD testing and analysis	Dr. Goderya
Stephen Cohorn	UG	CS	Electronic database generation on eclipsing binary stars for automated classification	Dr. Goderya
Priyanka Sahai International	UG	CIS	A platform independent code to run FORTRAN/C/C++ research code	Dr. Goderya
Katherine Leaveck	UG	ENVE	Automated Classification of Eclipsing Binary Stars Using Neural Networks	Dr. Goderya
Anthony Raymond	UG	PHYS	Monitoring Extra-Solar Planets at Tarleton State University	Dr. Goderya
Gabriel Woods	UG	ENPH	Measuring CCD performance of the Tarleton State Telescope CCD system	Dr. Goderya
Shweta Saroha International	UG	CIS	Search for New Variable Stars in CCD database for WY Tau	Dr. Goderya
Monica Nelson	UG	CS	FORTRAN coding and modification to calculate the Fourier coefficient from light curves of eclipsing binary stars	Dr. Goderya
Britt Long	UG	ENPH	Observing extra solar planets with Tarleton Telescope	Dr. Goderya

Robert Daigle	UG	Math	Observing eclipsing binary stars with Tarleton Telescope	Dr. Goderya
Jordan Hernandez	UG	ENPH	Calculation of Fourier descriptors with IDL	Dr. Goderya
Kelli Lewis	UG	ENVS	Photometric investigations of faint eclipsing binary stars	Dr. Goderya
Courtney Sullivan	UG	ENPH	Radio astronomy with low cost student radio telescope	Dr. Goderya
Jake Rhodes	UG	ENPH	Photometric observations of Cyg IV 16062	Dr. Goderya
Jake Rhodes	UG	ENPH	Radio astronomy with low cost student radio telescope	Dr. Goderya
James Boshart	UG	PHYS	Radio astronomy with low cost student radio telescope	Dr. Goderya
James Boshart	UG	PHYS	Abel galaxy image database generation for Super Nova Search	Dr. Hibbs
James Boshart	UG	PHYS	Asteroids Search and Discovery	Dr. Hibbs
Samantha Barker	UG	ENPH	Asteroid Search and Discovery	Dr. Hibbs
Stephanie Hammond	UG	-	Rapid Response for Observational Astronomical Events and Monitoring	Dr. Hibbs
Joseph Monk	UG	-	Rapid Response for Observational Astronomical Events and Monitoring	Dr. Hibbs