



## ***Overview : The Undergraduate Astronomy Program at UT Austin***

<http://www.as.utexas.edu/astronomy/education/ugradstudies.html>

# *Career opportunities with a degree in Astronomy*

<http://careers.ns.utexas.edu/students/careerinfo/infobymajor/astronomy.html>

Research (faculty/staff in universities, national observatories,,NASA)

Education (faculty/staff in universities, teaching colleges)

Science writing/Journalism

Climate research

X

Defense

Computers, electronics, equipment design for non-astronomical research

Data analysis for non-astronomical research

Software development

Government and industry.

Engineering

# *UT Astronomy Department*

- One of the top 10 astronomy departments in the US (NRC)

- Very broad research program

From  $10^{-35}$  s to  $1.3 \times 10^{17}$  s:

Planets, Stars, Galaxies, ISM, Theory

<http://www.as.utexas.edu/research>)

- Extensive observing facilities

à Mc Donald Observatory in West Texas:

9.2m Hobby-Eberly Telescope

2.7m Harlan J. Smith Telescope,

2.1m Otto Struve Telescope, 0.8m Telescope

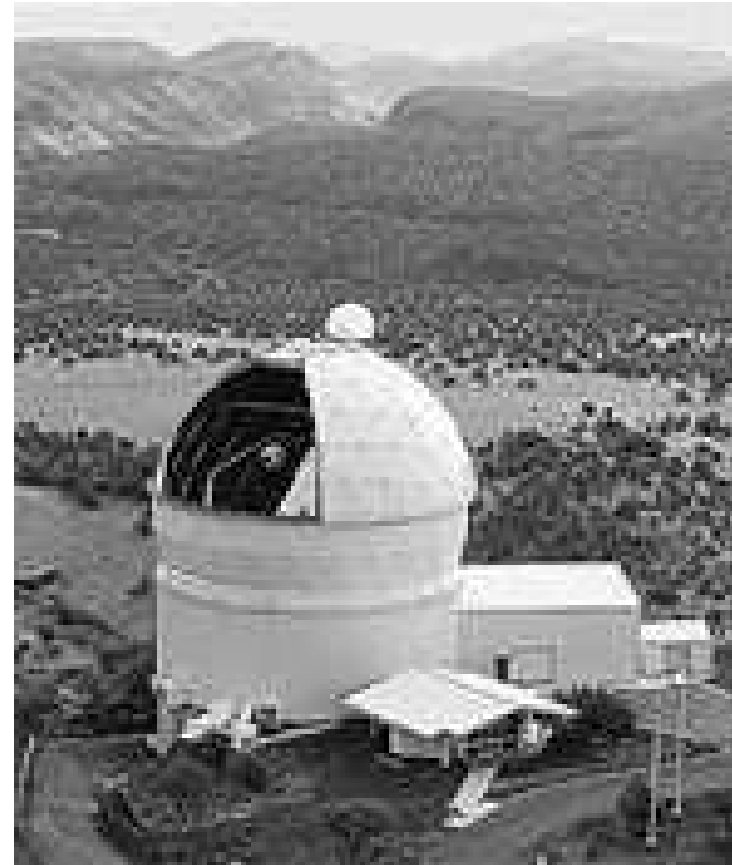
à Southern African Large Telescope (SALT)



## *Largest Ground-Based Telescopes*



10-m SALT telescope in South Africa  
UT is a partner in the SALT consortium.  
Mauna Inaugurated in 2005



9.2-m Hobby Eberly Telescope of  
Mc Donald Observatory/ UT Austin

# *Next Generation Largest Ground-Based Telescopes*

## **Giant Magellan Telescope GMT**

- 7 mirrors of size 8.4 m  
(equiv to aperture of diameter 22 m)
- Location = Northern Chile
- First light in 2016



GMT partners include  
Arizona  
**UT Austin**  
Carnegie Observatories  
Harvard  
MIT  
Michigan

Casting of first mirror completed 27 Oct 2005!

# *Undergraduate Astronomy Program at UT*

## Degrees

BA and BSc.  
Honors Program in Astronomy  
Dean's Honors Program

### Contacts:

<http://www.as.utexas.edu/astronomy/education/ugradstudies.html>

PMA Senior academic advisor : Susan Brown

Undergraduate astronomy advisor: Prof. Shardha Jogee

Undergraduate astronomy Honors advisor : Prof. Greg Shields

Astronomy student coordinator/advisor : Stephanie Crouch

# Department of Astronomy Awards and Scholarships

<http://www.as.utexas.edu/astronomy/education/uawards.htm>

## 1) Annual Awards for Excellence

- Astronomy Freshman Prize for Excellence (new as of 2005)
- Karl Henize Memorial Scholarship
- Board of Visitor Scholarship
- Outstanding Senior award

## 2) Travel + Research support

- Travel and lodging support to McDonald Observatory (Walton funds)
- Travel funds for UG to present their research at conferences and CNS research forum



## Other Fellowships and Scholarships

- 1) CNS undergraduate research awards  
<http://ww.utexas.edu/cons/urp>
- 2) CNS undergraduate scholarships and fellowships  
<http://ww.utexas.edu/cons/students/scholarships>
- 3) UT Coop Undergraduate Research Fellowship Competition  
<http://ww.utexas.edu/cons/research/vp/awards>  
Award of up to 1000, Deadline Mon Sep 26



## Research Opportunities for Undergraduates at UT

1) In the UT astronomy department

<http://www.as.utexas.edu/astronomy/education/ugradstudies.html>

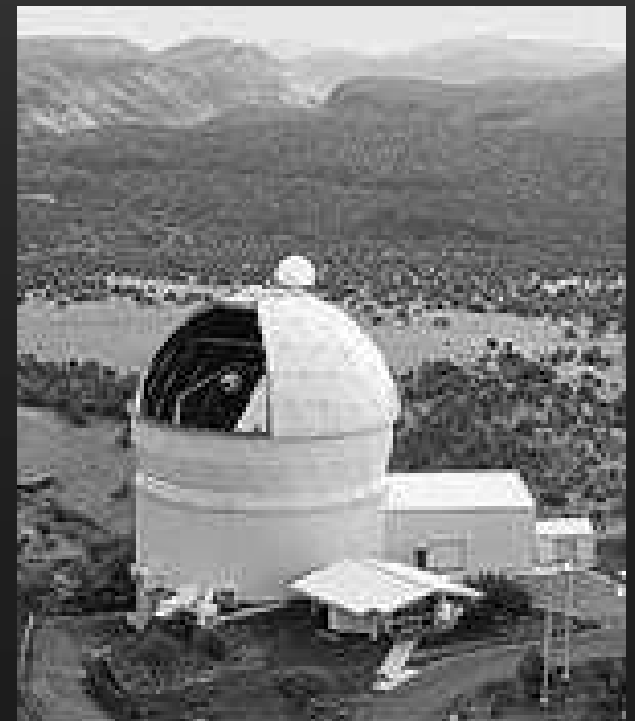
à **Research projects offered by astronomy faculty/staff is online!**

à **Check it out and get involved in research EARLY (year 2 or even year 1)**

2) Summer Research at Mc Donald Observat.

Astronomy, astrophysics, engineering

3) Summer REU (Research Experience for Undergraduates) program



# Mentorship program between graduate & undergraduates

Talk to Stephanie Crouch if you would like to have a graduate student mentor

X