Fall 2014

Honors Opportunities
Polytechnic Campus

http://barrettpoly.asu.edu

CTI Aviation

and Barrett, the Honors College work together to provide their student's academic advising, research and internship opportunities, scholarship information and access to distinguished lectures and other special events.

By taking AMT/ATC courses under an honors designation, honors students work on special projects that provide them an expanded understanding of the course subject matter. Often, these courses have a lower student-to-faculty ratio, allowing the students to work on exciting research with faculty members. Such experiences distinguish honors students from other students and help them gain entrance to graduate programs or garner sought-after jobs. Honors students receive special invitations to various events, including meeting industry, faculty, and staff. They can also gain funding for research or travel to conferences held in other cities.

Offerings for Honors Enrichment Contracts

AMT170- Introduction to UAS- K. Corns
AMT182 Private Pilot Ground School- M. O'Brien, J. Day
AMT201 Air Traffic Control- J. Gridley
AMT214 Commercial/ Instrument Ground School I- M. O'Brien
AMT220 Aviation Meteorology- M. Hampshire
AMT222- Commercial/ Instrument Ground School II- J. Anderson
ATC230- Fundamentals of Air Traffic Management- J. Gridley
AMT280- Aero Structures, Material & Systems- J. Kimberly
AMT287- Aircraft Powerplants- J. Kimberly
AMT308- Air Transportation- M. Niemczyk
ATC331- Tower Operations- V. Latham
ATC332- TRACON Operations- J. Gridley
ATC333- En Route Operations- J. Gilding
AMT350- Aircraft Design/ Logistics Management- J. Day
Offerings for Honors Enrichment Contracts Continued

AMT387- Multiengine Pilot Ground School- M. O’Brien
AMT392- Flight Instructor Instrument Ground School- J. Anderson
AMT408- National Aviation Policy- Dr. M. Niemczyk
AMT 410 – Aviation Human Factors – K. Shank
ATC431- Tower Operations & Procedures- V. Latham
ATC432- TRACON Operations & Procedures- J. Gridley
ATC433- En Route Operations & Procedures- J. Gilding
AMT442- Aviation Law & Regulations- M. Pearson
AMT448- Airline Instrument Procedures- J. Anderson
ATC484- Internship- V. Latham
AMT489- Airline Administration- Dr. M. Niemczyk
AMT491- Aviation Management Capstone- Dr. M. Niemczyk
ATC491- ATC Capstone- M. Pearson

AMT/ATC Honor Theses

<table>
<thead>
<tr>
<th>Thesis Title</th>
<th>Thesis Director</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>21st Century Issues and Technologies with Air Traffic Control</td>
<td>Dr. Michael Pearson</td>
<td>Fall 2002</td>
</tr>
<tr>
<td>AMT 322 Commercial Instrument Ground School II Lab Instructor and Classroom Assistant</td>
<td>Wayne Tripp</td>
<td>Spring 2004</td>
</tr>
</tbody>
</table>
# AMT/ATC Faculty and Thesis Options

Students looking for faculty members to supervise their honors theses can review the following list. Students may work with others, as well, and this list is intended as a starting point only.

Faculty members who encourage Honors work in the area of AMT and ATC include:

<table>
<thead>
<tr>
<th>Faculty Name</th>
<th>Email</th>
<th>Research Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Niemczyk, Mary</td>
<td><a href="mailto:Mary.Niemczyk@asu.edu">Mary.Niemczyk@asu.edu</a></td>
<td>Airline Management, Learning &amp; Instruction</td>
</tr>
<tr>
<td>O’Brien, Marc</td>
<td><a href="mailto:Marc.Obrien@asu.edu">Marc.Obrien@asu.edu</a></td>
<td>Flight instruction</td>
</tr>
<tr>
<td>Zunino, Karrie</td>
<td><a href="mailto:Karrie.Shank@asu.edu">Karrie.Shank@asu.edu</a></td>
<td>Human Factors, Aviation Physiology</td>
</tr>
<tr>
<td>Pearson, Michael</td>
<td><a href="mailto:Michael.Pearson@asu.edu">Michael.Pearson@asu.edu</a></td>
<td>Aviation Law, Aviation Policy, Aviation Labor</td>
</tr>
<tr>
<td>Day, Jason</td>
<td><a href="mailto:Jason.R.Day@asu.edu">Jason.R.Day@asu.edu</a></td>
<td>Meteorology, Aviation Business, Professional Flight</td>
</tr>
<tr>
<td>Kimberly, Jimmy</td>
<td><a href="mailto:Jimmy.Kimberly@asu.edu">Jimmy.Kimberly@asu.edu</a></td>
<td>Metals used in Aviation, Metal Products Forming and Manufacturing Processes,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electrical and Hydraulic Systems in Aircraft, Airline Ground Operations Equipment,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aerodynamics</td>
</tr>
<tr>
<td>Anderson, Jim</td>
<td><a href="mailto:J.Anderson@asu.edu">J.Anderson@asu.edu</a></td>
<td>Glass Cockpit, Area Navigation Units, Area Navigation Laboratory, Airline Research</td>
</tr>
<tr>
<td>Gridley, Joe</td>
<td><a href="mailto:Joseph.Gridley@asu.edu">Joseph.Gridley@asu.edu</a></td>
<td>Air Traffic Control, TRACON Operations</td>
</tr>
<tr>
<td>Latham, Verne</td>
<td><a href="mailto:Verne.Latham@asu.edu">Verne.Latham@asu.edu</a></td>
<td>Air Traffic Control, Tower Operations</td>
</tr>
<tr>
<td>Gilding, John</td>
<td><a href="mailto:John.Gilding@asu.edu">John.Gilding@asu.edu</a></td>
<td>Air Traffic Control, TRACON Operations</td>
</tr>
</tbody>
</table>
Requirements of Thesis Committee

Director **MUST BE** Regular ASU Faculty
Second Committee Member may be faculty or non-faculty, depending on the decision of the director or the honors advisor (Undergraduate Director)
The Third Reader is NOT required. However, because the Thesis/Creative Project sometimes benefits from a third reader, the decision regarding a third reader will be up to the discretion of the director based upon the individual needs.

Prior to enrolling in XXX 492 OR XXX 493, all students must complete a Thesis/Creative Project information session. Students may complete this requirement by completing one of the following:

- HON 498 "Thesis Prep Course", a one credit course offered on the downtown campus.
- One of the Thesis Workshop Sessions periodically offered by Barrett.
- The online workshop offered through Barrett via ASU Blackboard.

INFORMATION ABOUT THESIS/CREATIVE PROJECT (INCLUDES INFORMATION ABOUT THESIS PREP WORKSHOPS AND CLASSES):
http://barretthonors.asu.edu/academics/thesis-and-creative-project/

Useful links

INFORMATION ON HONORS ENRICHMENT CONTRACT:
http://barretthonors.asu.edu/academics/honorscoursesandcontracts/honorsenrichmentcontracts/

INFORMATION ABOUT BARRETT INTERNSHIP OPPORTUNITIES:
http://barretthonors.asu.edu/academics/internships/