Institute of Aviation
University of Illinois at Urbana-Champaign
Academic Office
1 Airport Road
Savoy, IL 61874

Tom Emanuel—Interim Director
Laura Gerhold – Academic Advisor

Phone: 217-244-8671
Fax: 217-244-8761
Email: gerhold@illinois.edu
Website: http://www.aviation.illinois.edu

Office Hours: 8:30 AM to 5:00 PM
Closed over the lunch hour!!
IMPORTANT INFORMATION
ABOUT THE
INSTITUTE OF AVIATION

AVIATION GENERAL

1. Students are required to purchase their own aviation headset. The headsets do not need to be purchased until you begin classes but you need to have them in your possession and take them to your second flight class meeting. They are available for sale at the Illini Union Bookstore second floor electronic supply counter for approximately $250.00. The most popular brand is the David Clark H10-30. You may purchase any good aviation headset elsewhere if you like.

2. How to find out about what is going on and due dates in Aviation? Read the posters on the bulletin boards in the Professional Pilot Department. There are a number of bulletin boards that address specific issues and activities, i.e. Flying Team, Jobs, Academic Office, Women in Aviation, Alpha Eta Rho, etc.

3. Near the log book area and the academic office are racks for university handouts about career/health/meeting/scholarship information papers. The papers change regularly, usually weekly. Check them out from time to time. Take what you are interested in.

4. If you have any questions about anything before you arrive on campus or after you have moved to campus, please don’t hesitate to call the Academic Office at 217-244-8671 or email Laura Gerhold at gerhold@illinois.edu. We are glad to answer any questions and/or direct your call to the proper office.

AVIATION CURRICULUM

1. All Institute of Aviation majors (both Professional Pilot and Human Factors) must enroll in a flight course each semester.

2. As a matter of UIUC policy, all freshmen must remain in the curriculum to which they are admitted (aviation) a minimum of two consecutive semesters as full time students before being allowed to transfer to another curriculum. Students on probation are generally not able to change colleges.

3. As a matter of UIUC policy, all transfer students must remain in the curriculum to which they are admitted (aviation) a minimum of one semester as a full time student before being allowed to transfer to another curriculum. Students on probation are generally not able to change colleges.

4. Due to the limited number of flight slots, new student’s schedules are partially prepared. Freshmen entering fall 2010 will receive their partial schedule during their college meeting in the morning of summer orientation. This schedule will have 1-3 classes already selected. Students may then select 2-4 additional classes. Registration for these additional classes will be in the afternoon immediately after lunch in the computer lab at the airport. Students should plan to catch the 12:28 bus to the airport (Plan to be at the bus stop at 12:20 PM). Schedules are determined by utilizing curriculum guidelines, placement scores, ACT/SAT scores, and the information sheet submitted by each student. The Associate Director for Academic Affairs or Academic Adviser must approve any changes after orientation and prior to classes beginning. After summer registration and orientation, new freshmen will be blocked from the Banner registration system until Saturday, August 20.
5. If you decide **NOT** to attend UIUC this fall, you must notify the Aviation Academic Office and the Admissions Office in writing in order to cancel your registration. If your registration is not cancelled by 5 PM on the day before classes begin, you are obligated to pay tuition and fees for that semester.

6. The Institute of Aviation’s flight courses consist of two components: Lecture (ground school) and Laboratory (flight). The lecture meets on campus twice weekly for 1½ hours per session. The flight portion is held at the airport and consists of a two hour time block three times a week (for example 8AM-10AM, 10AM-12PM, 1PM-3PM, 3PM-5PM). These sections meet either on a Monday/Wednesday/Friday schedule or a Tuesday/Thursday/Saturday schedule. Students have a 50-50 chance of getting either sequence.

7. First semester students are the last to register. The possibility exists that you may not get your first choice of classes or the times you prefer. As your time increases at the University, so does your priority for registration and thus the ability to better plan your schedule to your liking.

8. All students are full time and must be registered for a minimum of 12 hours each semester. Dropping below 12 hours can affect financial aid, car insurance, and health insurance. Students should be enrolled for a minimum of 12 hours for the next semester before leaving campus during the current semester. This full time enrollment status can affect the financial aid that you will receive.

9. The University allows a student to drop a non-flight course during the first eight weeks of a semester. Aviation allows a student to petition to drop a non-flight course for an additional three weeks (special form required). **After 11 weeks, an aviation student is not allowed to drop any classes except for medical reasons.**

10. **Aviation Flight Sign-Up Day** is held the week before on-line registration begins each semester, usually about the last Wednesday in October and the last Wednesday in March. This day is set aside for you to reserve your flight class for the next semester with the Professional Pilot Division. This insures that a plane and instructor will be available at the time you wish to fly. Students with more semester hours are given priority. The Aviation Academic Office then will authorize you on Banner for the flight time that has been approved by the Professional Pilot Division. You will then be able to register for all of your classes at the same time online. The Professional Pilot Division must approve all changes to original ground school and flight classes. Watch for the notices and announcements in October and in March to enroll in flight classes. **Students who do not sign up for their flight classes on the designated flight sign-up day are not guaranteed a flight course for the following semester(s).**

11. All aviation majors must meet with the aviation academic adviser for a scheduled appointment each semester before they are allowed to register during Flight Sign-Up Day or on-line. Watch for the notices, then schedule for an appointment. Appointments are made on the aviation website at www.aviation.uiuc.edu. If you have not had your advising appointment by Flight Sign-Up Day, you are not able to reserve a plane on Flight Sign-Up Day and are not guaranteed a plane for the following semester. **Please call to cancel anytime you cannot make a scheduled appointment.**
PHYSICAL EXAM

The Institute of Aviation strongly recommends that students get their medical exam before coming to campus. We recommend a first class exam if you are considering a career as a commercial pilot although only a third class exam is required to fly at UIUC. A third class physical exam by a FAA approved physician is required before a student can solo (typically about 12 weeks into the first semester). Please be aware that certain medications are not approved for use during flight and may prevent you from receiving a medical certificate. The physician will provide the FAA required documentation to the student. The exam may be completed by:

- a FAA approved physician in your home locality

Local Physician – The FAA medical can be done before you arrive on campus. Consult the following website for a listing of FAA approved medical examiners in your area: http://www.faa.gov/pilots/amelocator/

- OR...by one of four Urbana-Champaign area FAA approved physicians:

  **Dr. David J. Fletcher**
  1806 N Market St, Champaign 61822
  (217) 356-6150
  1, 2, 3 Class

  **Dr. David R. Hamilton**
  101 West University, Champaign, 61820
  Christie Clinic
  (217) 366-1310
  1, 2, 3 Class

  **Dr. Milorad P. Ketchens**
  1109 S. Lincoln Ave., Urbana, 61801
  McKinley Health Center
  (217) 244-5324
  1, 2, 3 Class

  **Dr. James Manint**
  1109 N. State, Monticello, 61856
  (217) 762-6241
  1, 2, 3 Class

  **Dr. Thomas L. Sutter**
  602 W. University, Urbana, 61801
  Carle Clinic
  (217) 383-3229
  2 and 3 Only

*UIUC McKinley Health Service* - Only one doctor at McKinley is certified to complete these examinations, Dr. Milo Ketchens. When you call 217-244-5324 please indicate you need an “aviation medical exam”. Cost will be approximately $70.00 for either the second class or third class exam or approximately $90.00 for the first class exam. We would recommend getting the first class exam although only the third class exam is required. This way you will know you can pass the first class exam required of commercial pilots. Please do not wait until the last minute to get the exam. Make your appointment by the second week of the semester.

TRANSPORTATION

1. An MTD (mass transit in Champaign/Urbana) bus runs 14 times a day from campus to the airport and 14 times back to campus Monday through Saturday. The bus runs 4 times to and from the airport on Sunday. The bus is identified as the “Air Bus”. The bus schedule is compatible with the Institute flight periods. A bus schedule and map of the route is included elsewhere in this handbook. Students must show their UIUC ID card each time they ride. The cost of this bus is included in the transportation fees paid to the University and also by the flight fee.

2. A personal car is not necessary to travel from campus to the airport. There is a $67.00 yearly charge to park at the airport. This fee is paid at the Airport Business Office (Lisa Bartley). The business office is located in the administration building at the airport. Use the front middle doors; turn to your left.

3. If a student is residing in university housing and does bring a car to campus, they must pay $420 for 9 months (August to May) or $480 for 12 months (August to August) to park it in a University lot. Student’s who buy a university parking space on campus do not have to pay the airport parking fee but do need to get a parking sticker from the Business Office that is affixed to their University lot sticker.
FINANCIAL AID

Students who have filed a FAFSA with the UIUC Financial Aid Office will receive a second consideration regarding monetary awards because of the extra cost of flight classes. During May/June orientation or August orientation, students will complete a written request for this additional consideration. This form is available from the Aviation Academic Office. When orientation is completed, these forms will be forwarded to the Financial Aid Office. At that time, the Financial Aid Office will re-evaluate each student’s aid package and send the student a revised statement in August. Approximately 80% of our students receive some form of financial assistance (grants, loans, scholarships, etc.). The financial aid adviser working with aviation students is Ellen Frost. You may phone her at 333-7648 or email efrost@illinois.edu.

BILLING

Each semester the student is responsible for checking their billing on Banner. This may be printed and shared by students with parents if parents are paying the bill. If payment is not made on time, a financial HOLD is placed on the student’s record until the account is settled. Full payment for fall semester is due September 30. A 1.50% additional fee is charged if payment is not received on time. Students are not allowed to register for the following semester if their account is not clear.

A PRE-Payment Plan has been created to allow for payments to be spread out over the each semester. For more information about this plan, visit http://www.usfsco.uiuillinois.edu/prepaymentplan.html

If you have questions, visit http://www.usfsco.uiuillinois.edu/ or contact:

University Student Financial Services & Cashier Operations
Accounts Receivable
Henry Administration Building, 506 South Wright Street, Room 100
Urbana, IL 61801-3633
217-333-2180
Email: studentaccounts@illinois.edu

REGISTRATION AND EMAIL ACCOUNT

1. The registration/student record system at UIUC is called Banner or UI Integrate or Web Self Service. It is all the same system but goes by different names, depending on who you talk to. The better you learn the system, the faster you may obtain the classes you wish to take. Each semester you will need to update addresses, phone numbers, etc.

2. You will be assigned a network identification (net ID) which will be your sign-on for Banner and your email account. You will be setting up an email account through Google Apps @ Illinois. You can find more information at http://www.cites.illinois.edu/email/google/index.html.

3. Immediately after registration during summer orientation, the University will block all new freshmen from Banner until Saturday, August 20.

4. Each student must be sure their local address and phone number are on Banner and correct by 5 PM of the first day of class. Do this every semester.

5. Students need to become familiar with their UIUC e-mail account and use it. Check your UIUC e-mail a minimum of twice daily. When faculty and staff at the University wish to contact you, e-mail is the preferred way. It is also an excellent way for you to contact faculty and staff. You may have another email account, but your UIUC account will be used for all University business.

6. Plan to use the web for many functions at the university. If you don’t know how to use the web effectively, have another student show you or take a short workshop available through the library. See your academic adviser for information.

7. A computer laboratory is located at the airport in the administration building. Ten computers are always available with a variety of programs for your use. The remaining fifteen computers are generally used only for FAA testing.
HOW DOES AN AVIATION MAJOR WORK AT UIUC?

Students at the University of Illinois Institute of Aviation may choose from two options:

- **Professional Pilot Program**
- **BS in Aviation Human Factors**

Either program can provide a student with the necessary FAA flight certificates to become a commercial, corporate, or cargo pilot. A comparison chart of the two options is included elsewhere in this handbook.

**Professional Pilot Program**

The Professional Pilot Program is currently a two-year program at UIUC. A student (either freshman or transfer student with less than 60 hours) enters the university as a Professional Pilot major. When the student has finished the courses required in this two-year program (See courses listed in Professional Pilot Checklist) the student “graduates” from the Institute of Aviation with a certificate of completion. A graduation ceremony is held each year in May for all students who have completed requirements during the past year.

During the first year, the student begins to select a baccalaureate degree-granting major available through any college and department at the University. This must be accomplished no later than sophomore year. At the end of 60 hours of course work or approximately two years of study, the student will transfer to another college and department and will actually graduate from the University with a BA/BS from that college/department. Both the degree/major and aviation certificate appear on the student’s official transcript.

During the first two years while the student is an Aviation major, he/she will take specific aviation flight and non-flight courses, general education courses, and 25 hours of electives which must include a minimum of 7 hours of humanities. These electives should meet Aviation course requirements, general education requirements, and requirements, if applicable for transferring into the BA/BS major. Once the student has transferred into the BA/BS major, they continue to take aviation flight and non-flight courses as electives, complete their general education requirements, and complete courses in their specific degree major. A 2.0 GPA is necessary for graduation from UIUC.

The actual transfer from Aviation to another college is a simple process and allows the student to continue to take any advanced aviation courses they may choose.
BS in Aviation Human Factors

The study of human factors focuses on how humans interact with technology in an effort to make them both more safe and efficient.

This curriculum involves two core components. The first includes an instructional sequence of professional pilot training courses that will enable the students to obtain their FAA private, instrument, commercial, multi-engine, and flight instructor certificates and ratings. The second component is the human factors core which includes cockpit resource management, aviation psychology, and aviation accident investigation and analysis. Additionally, students will fulfill the university general education requirements and will also be able to complete an outside area of concentration in another related field, such as Business, Economics, Speech Communications, Adult and Continuing Education, Geography, Psychology, etc., which will complement the two core aviation program. Students will also complete thirty-four hours of elective courses, some of which will be used toward the outside area of concentration and must be approved by an adviser.

This curriculum will prepare graduates to be productive members of the aviation industry. All U.S. airlines now recognize the importance of human factors and cockpit resource (crew resource) training in the prevention of accidents and the enhancement of flight safety. With modern technology and design, the greatest factor in airline safety is now the man/machine interface and the elimination of human error. This program will help fill a need in industry and, in the long term, improve aviation safety.
### COMPARISON: AVIATION HUMAN FACTORS DEGREE VS. PROFESSIONAL PILOT PROGRAM

<table>
<thead>
<tr>
<th>BS DEGREE IN AVIATION HUMAN FACTORS</th>
<th>PROFESSIONAL PILOT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Degree</strong></td>
<td>Certificate from the Institute of Aviation; appears on transcript; Bachelor of Science or Bachelor of Arts Degree from any degree major offered at UIUC; appears on transcript</td>
</tr>
</tbody>
</table>
| **Flight Courses** | **Required:** Private Pilot I and II, Instrument I and II, Aircraft Systems for Pilots (non-flight) 
**Optional:** Commercial I and II, Certified Flight Instructor I and II, Multi-engine, Cockpit Resource Management, Corporate Jet Pilot Orientation, Specialized Ratings |
| **General Education Courses** | General education courses for all colleges at UIUC are basically the same with a few variations between colleges. The following general education courses are required to meet degree requirements for this major: 
One course each in Western, Nonwestern, Literature & the Arts, Historical & Philosophical, Composition I and II, and Social Science. Introduction to Psychology and Introduction to Statistics are required courses for the degree and also meet the Behavioral Science and Quantitative Reasoning requirement. Two courses are required in life and/or physical sciences. 
Courses needed to complete the Professional Pilot Certificate: 
Computer Science 105 – meets Quantitative Reasoning requirement, History 141 or 142 or 171 or 172 (two courses required) – meets Western and Historical & Philosophical Perspective requirements, Economics 102 or 103 – meets Social Science requirement, Composition I, one or two Mathematics courses determined by ALEKS Mathematics testing scores 
Courses needed to complete remaining General Education courses: Literature & the Arts, Nonwestern, two life and/or physical Science courses, Behavioral Science |
| **Required Major Courses** | Introduction to Psychology and related Psychology courses 
Courses required to get into your major degree area and courses required for graduation |
| **Career Possibilities** | Entry level in airlines and companies training pilots in safety, accident prevention, crew resources 
Depends on degree major |
| **Procedure** | During fall aviation academic advising in late September and October or in spring advising in late February and March, you will have the opportunity to discuss your major in more detail and make a decision as to which aviation major may suit you best. You are currently in the Professional Pilot program. If you decide to remain in this program, we will do nothing at this time. If you decide you are interested in the BS in Aviation Human Factors, we will transfer you on Banner, the UIUC student records and registration system. This involves you completing a short petition to transfer and the academic adviser entering information into Banner. |
| **Advantages** | Degree in Aviation with all flight certificates 
Degree in a secondary area of interest plus as many FAA flight certificates as you choose; back-up area of expertise should health not allow FAA certification in subsequent years |
The Institute of Aviation – Aviation Human Factors baccalaureate degree capitalizes on the expertise of the Institute’s instructional staff and campus faculty to offer a unique program that emphasizes both flight training and Aviation Human Factors. The study of human factors focuses on how to make both airplanes and the pilots who fly them safer and more effective.

This curriculum involves two core components. The first includes an instructional sequence of professional pilot training courses that will enable the students to obtain their FAA private, instrument, commercial, multi-engine, and flight instructor certificates and ratings. The second component is the human factors core which includes cockpit resource management, aviation psychology, and aviation accident investigation and analysis. Additionally, students will fulfill the university general education requirements and will also be able to complete an outside area of concentration in another related field, such as Business, Economics, Speech Communications, Geography, Psychology, etc., which will compliment the two core aviation program. Students will also complete thirty-four hours of elective courses, some of which will be used toward the outside area of concentration and must be approved by an adviser.

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INSTITUTE OF AVIATION
AVIATION HUMAN FACTORS BACCALAUREATE PROGRAM
(approved by UIUC Faculty Senate 10/19/98; APPROVED BY IBHE, 8/24/99)

PRESCRIBED COURSES INCLUDING CAMPUS GENERAL EDUCATION (120 HOURS)

HOURS  COMPOSITION
4-6  Composition I:
- ESL 114+ Intro to Academic Writing + ESL 115
- ESL 115+ Principles of Academic Writing + ESL 114
- RHET 100+ Tutorial + RHET 101 + RHET 102
- RHET 101+ College Writing I + RHET 100 + RHET 102
- RHET 102+ College Writing II + RHET 100 + RHET 101
- RHET 103+ College Composition I + RHET 104
- RHET 104+ College Composition II = RHET 103
- RHET 105 Principles of Composition
- RHET 108 Forms of Composition
- *CMN 111+ Verbal Communications + CMN 112
- *CMN 112+ Verbal Communications + CMN 111
  *Aviation recommends the SPCOM 111/112 sequence if a student plans to eventually take AVI 320, Certified Flight Instructor.
3  Composition II: Select from Campus approved list. Must be taken at UIUC. Prerequisite: Composition I

HOURS  CULTURAL STUDIES
3  Western/Comparative: Select from Campus approved list.
3  Non-Western/US Minority Cultures: Select from Campus approved list.

HOURS  HUMANITIES AND THE ARTS
3  Literature and the Arts: Select from Campus approved list.
3  Historical & Philosophical Perspectives: Select from Campus approved list.

HOURS  NATURAL SCIENCES AND TECHNOLOGY
6  Select from Campus approved list from either physical or life sciences.

HOURS  SOCIAL AND BEHAVIORAL SCIENCES
4  PSYC 100: Introduction to Psychology
3  Social Sciences: Select from Campus approved list.

HOURS  QUANTITATIVE REASONING
3  Quant I - PSYC 235 or STAT 100: Introduction to Statistics
  Prerequisite: MATH 012(Algebra) OR MATH 016(Algebra & Trigonometry)
3  Quant II – For students entering Fall 2002 or after: Select from campus approved list.
  A second Quant I course will meet this requirement also.

LANGUAGE
For students entering UIUC prior to Summer 2000: 2 years of the same HS foreign language or 2 semesters college of the same foreign language or proficiency at the second semester level.

For students entering UIUC Summer 2000 or after: 3 years of the same HS foreign language or 3 semesters college of the same foreign language or proficiency at the third semester level.

1  AVI 100 – Aviation Orientation for new Freshman and Transfer Students (fall semester only)

HOURS  AVIATION CORE I - FLIGHT
3  AVI 101 - Private Pilot, I (flight fee)
3  AVI 120 - Private Pilot, II (flight fee)
3  AVI 130 - Private-Instrument, I (flight fee)
3  AVI 140 - Private-Instrument, II (flight fee)
4  AVI 200 - Commercial Pilot, I (flight fee)
4  AVI 210 - Commercial Pilot, II (flight fee)
3  AVI 380 – Multiengine Land (flight fee)
3  AVI 184 – Aircraft Systems for Pilots (Single & Multi Engine)
**OPTION A: FLIGHT OPTION**

3 AVI 320 - Flight Instructor – Airplane (flight fee)
1 AVI 322 - Flight Instructor – Instrument (flight fee)

**OPTION B: NON-FLIGHT OPTION**

3 AVI 447/PSYC 457 – Human Error
3 AVI 497SU – Special Topics in Aviation

**HOURS AVIATION CORE II - HUMAN FACTORS**

4 AVI 358 - Human Factors in Human-Machine Systems
3 AVI 381 – Cockpit Resource Management (flight fee)
3 AVI 455 - Accident Investigation and Analysis
3 AVI/PSYC 456 - Human Performance and Engineering Psychology
3 AVI 495/PSYC 497 - Aviation Psychology

**HOURS AVIATION ELECTIVES**

6 Select two from:
- PSYC 224 - Cognitive Psychology
- PSYC 230 - Perception and Sensory Processes
- ATMS 120 - Severe and Unusual Weather

**HOURS OTHER ELECTIVES:** (Courses counting in this section may not count anywhere else on this page)

9 * 400-level courses not listed above or approved advanced 300-level courses (select from chart below)
9 * any 300-level courses required as prerequisites for 400-level courses or 400-level courses not listed above
9 * in a single defined area of interest (Courses must be related to each other)
7 open electives

All electives must be reviewed and approved by the Aviation Academic Office.

120 **HOURS MINIMUM NEEDED TO GRADUATE WITH A BS IN AVIATION HUMAN FACTORS**

* Three options are available for 27 hours required in this group (courses in this area may not be counted as meeting other general education or major requirements:

1. Minor – from the official minor list on the web site: [www.provost.uiuc.edu/students/advising/minorspecific.html](http://www.provost.uiuc.edu/students/advising/minorspecific.html)
2. Area of emphasis – if a minor is not offered in an area of interest, all 27 hours may be taken in one area
3. Emphasis on aviation psychology/psychology includes 9 hours in an area of interest other than aviation or psychology; 9 hours of 300 level Aviation/Psychology courses; 9 hours of 400 level Psychology or Aviation Psychology courses.

Aviation/Psychology courses currently being offered that would be applicable under #3 above include:
- Human Factors Issues in Health Care – AVI 497, Section DM3 – Spring only
- Advanced Aviation Topics – AVI 497, Various Sections – Spring and Fall
  AVI 497 may be repeated if each topic is different.
- Interpretation of Aerial Photographs – GEOG 460 – Spring only every other year
- Practice Teaching – Airplane – AVI 350 – Fall and Spring
- Jet Aircraft Systems and Operations, I – AVI 384 – Spring and Spring
- Turboprop Orientation – AVI 393 – Fall and Spring
  (course descriptions are available in the Aviation Academic Office)
# Bachelor of Science Degree: Aviation Human Factors Major

## First Year

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<tr>
<th>Hours</th>
<th>First Semester</th>
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<tbody>
<tr>
<td>1</td>
<td>AVI 100 – Intro to Aviation</td>
</tr>
<tr>
<td>3</td>
<td>AVI 101 – Private Pilot I +</td>
</tr>
<tr>
<td>3-4</td>
<td>Composition I</td>
</tr>
<tr>
<td>4</td>
<td>Introduction to Psychology</td>
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<tr>
<td>3</td>
<td>ATMOS 120 – Severe &amp; Unusual Weather</td>
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<td><strong>14-15</strong></td>
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<table>
<thead>
<tr>
<th>Hours</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>3</td>
<td>AVI 120 – Private Pilot II +</td>
</tr>
<tr>
<td>3</td>
<td>Literature and the Arts</td>
</tr>
<tr>
<td>3</td>
<td>Social Science</td>
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<tr>
<td>3</td>
<td>Physical or Life Science</td>
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<tr>
<td>3</td>
<td>Western</td>
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## Second Year

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<tr>
<th>Hours</th>
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<tbody>
<tr>
<td>3</td>
<td>AVI 130 – Commercial Instrument I +</td>
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<tr>
<td>3</td>
<td>AVI 455 – Accident Investigation &amp; Safety Analysis</td>
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<tr>
<td>4</td>
<td>AVI 358 – Human Factors in Human-Machine Systems</td>
</tr>
<tr>
<td>3</td>
<td>Quantitative Reasoning 2</td>
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<td>3</td>
<td>Historical &amp; Philosophical Perspective</td>
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<td><strong>16</strong></td>
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<table>
<thead>
<tr>
<th>Hours</th>
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<tbody>
<tr>
<td>3</td>
<td>AVI 140 – Commercial Instrument II +</td>
</tr>
<tr>
<td>3</td>
<td>AVI 184 – Aircraft Systems for Pilots</td>
</tr>
<tr>
<td>3</td>
<td>Psychology 224 or 230 – Cognitive/Perception</td>
</tr>
<tr>
<td>3</td>
<td>Area of Interest – 1st of 3</td>
</tr>
<tr>
<td>3</td>
<td>Nonwestern/US Minority Cultures</td>
</tr>
<tr>
<td><strong>15</strong></td>
<td>Total Hours</td>
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</table>

## Language:
For students entering UIUC Fall 2000 or after: 3 years of the same HS foreign language or 3 college semesters of the same foreign language or proficiency at the third college semester level. Transfer students entering FA05 or after must have completed all foreign language requirements before entering UIUC.

## Third Year

<table>
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<tr>
<th>Hours</th>
<th>First Semester</th>
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<tbody>
<tr>
<td>4</td>
<td>AVI 200 – Commercial Pilot I +</td>
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<tr>
<td>3</td>
<td>Elective</td>
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<td>3</td>
<td>AVI 456</td>
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<tr>
<td>3</td>
<td>300 Level Course – 1st of 3</td>
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<tr>
<td>3</td>
<td>Area of Interest – 2nd of 3</td>
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<td><strong>16</strong></td>
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<table>
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<tr>
<th>Hours</th>
<th>Second Semester</th>
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</thead>
<tbody>
<tr>
<td>4</td>
<td>AVI 210 – Commercial Pilot II +</td>
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<tr>
<td>3</td>
<td>AVI 495 – Aviation Psychology</td>
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<tr>
<td>3</td>
<td>Introduction to Statistics</td>
</tr>
<tr>
<td>3</td>
<td>300 Level Course – 2nd of 3</td>
</tr>
<tr>
<td>3</td>
<td>400 Level Course – 1st of 3</td>
</tr>
<tr>
<td><strong>16</strong></td>
<td>Total Hours</td>
</tr>
</tbody>
</table>

## Fourth Year

<table>
<thead>
<tr>
<th>Hours</th>
<th>First Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>AVI 320 – Flight Instructor, Airplane +</td>
</tr>
<tr>
<td>1</td>
<td>AVI 380 – Multiengine Land +</td>
</tr>
<tr>
<td>3</td>
<td>300 Level Course – 3rd of 3</td>
</tr>
<tr>
<td>3</td>
<td>Elective</td>
</tr>
<tr>
<td>3</td>
<td>Area of Interest – 3rd of 3</td>
</tr>
<tr>
<td>3</td>
<td>Advanced Composition</td>
</tr>
<tr>
<td><strong>16</strong></td>
<td>Total Hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hours</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3</td>
<td>AVI 322/392 – Flight Instructor, Instrument/Multi-Engine Instructor +</td>
</tr>
<tr>
<td>3</td>
<td>AVI 381 – Cockpit Resource Management +</td>
</tr>
<tr>
<td>3</td>
<td>400 Level Course – 2nd of 3</td>
</tr>
<tr>
<td>3</td>
<td>400 Level Course – 3rd of 3</td>
</tr>
<tr>
<td>3</td>
<td>Elective</td>
</tr>
<tr>
<td><strong>13-15</strong></td>
<td>Total Hours</td>
</tr>
</tbody>
</table>

* - not required but highly recommended course
+ - flight course with additional flight fees
# PROFESSIONAL PILOT CURRICULUM CHECKLIST

## REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aviation 100</td>
<td>Intro to Aviation</td>
</tr>
<tr>
<td>Aviation 101</td>
<td>Private Pilot I</td>
</tr>
<tr>
<td>Aviation 120</td>
<td>Private Pilot 2</td>
</tr>
<tr>
<td>Aviation 130</td>
<td>Instrument Rating I</td>
</tr>
<tr>
<td>Aviation 140</td>
<td>Instrument Rating 2</td>
</tr>
<tr>
<td>Aviation 184</td>
<td>Aircraft Systems for Pilots</td>
</tr>
<tr>
<td>Computer Science 105</td>
<td>Introduction to Computers</td>
</tr>
<tr>
<td>Economics 102 or 103</td>
<td>Micro or Macro Economics</td>
</tr>
<tr>
<td>History 141/142 or History 171/172</td>
<td>Western Civilization early and late or American History early and late</td>
</tr>
<tr>
<td>Math 125 AND 234</td>
<td>Linear Algebra/Calculus for Social Scientists or</td>
</tr>
<tr>
<td>Math 220 OR 221 AND 231</td>
<td>Calculus 1 and 2 or</td>
</tr>
<tr>
<td>Math 125 AND 220 OR 221</td>
<td>Linear Algebra/Calculus 1</td>
</tr>
<tr>
<td>Composition I (Rhetoric 105 or Communication 111 and 112)</td>
<td>(Aviation recommends CMN 111 and 112 if the student plans eventually to take the Certified Flight Instructor course, AVI 320)</td>
</tr>
</tbody>
</table>

## ELECTIVES OR MAJOR COURSES
(Courses in degree area)

(Must equal at least 18 hours)

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

## HUMANITIES ELECTIVES
(Must equal at least 7 hours)

________________________________________________________________________
# Professional Pilot Curriculum

## Sample Schedule

### First Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aviation 100</td>
<td>Aviation 120</td>
</tr>
<tr>
<td>1 hr</td>
<td>3 hr</td>
</tr>
<tr>
<td>Aviation 101</td>
<td>Math sequence *</td>
</tr>
<tr>
<td>3 hr</td>
<td>3 hr</td>
</tr>
<tr>
<td>Hist 141 or 171</td>
<td>Literature &amp; Arts</td>
</tr>
<tr>
<td>3 hr</td>
<td>3 hr</td>
</tr>
<tr>
<td>Math sequence *</td>
<td>Major Course</td>
</tr>
<tr>
<td>3-5 hr</td>
<td>3 hr</td>
</tr>
<tr>
<td>Composition I</td>
<td>Behavioral Science</td>
</tr>
<tr>
<td>4 hr</td>
<td>3 hr</td>
</tr>
</tbody>
</table>

### Second Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aviation 130</td>
<td>Aviation 140</td>
</tr>
<tr>
<td>3 hr</td>
<td>3 hr</td>
</tr>
<tr>
<td>History 142 or 172</td>
<td>Aviation 184 **</td>
</tr>
<tr>
<td>3 hr</td>
<td>3 hr</td>
</tr>
<tr>
<td>Comp. Sci. 105</td>
<td>Non-western</td>
</tr>
<tr>
<td>3 hr</td>
<td>3 hr</td>
</tr>
<tr>
<td>Major Course</td>
<td>Science Elective</td>
</tr>
<tr>
<td>3 hr</td>
<td>3-4 hr</td>
</tr>
<tr>
<td>Science</td>
<td>Major Course</td>
</tr>
<tr>
<td>3 hr</td>
<td>3 hr</td>
</tr>
</tbody>
</table>

*Math sequence:* Math 125 and Math 234 OR Math 220 OR Math 221 and Math 231 OR Math 125 and Math 220 OR 221

Students are placed in the appropriate Math class based on their ALEKS placement score. Some students may need to take Math 012 or Math 016 as a prerequisite before taking the required Math classes.

**Aviation 184** is an aircraft systems course. No extra fee is required.
COLLEGE OF AGRICULTURAL, CONSUMER, and ENVIRONMENTAL SCIENCES  http://www.aces.illinois.edu
Agricultural and Environmental Communications and Education
Agricultural Engineering–Agricultural Science
Agricultural and Consumer Economics
Animal Sciences
Crop Sciences
Food Science and Human Nutrition
Horticulture
Human Development and Family Studies
Natural Resources and Environmental Sciences
Technical Systems Management

COLLEGE OF APPLIED HEALTH STUDIES  http://www.ahs.illinois.edu
Community Health
Kinesiology
Recreation, Sport and Tourism
Speech and Hearing Science

INSTITUTE OF AVIATION  http://www.aviation.illinois.edu
Aviation Human Factors
Professional Pilot

COLLEGE OF BUSINESS  http://www.business.illinois.edu
Accountancy
Business Administration
Business Process Management
Finance
Information Systems and Information Technology
Management
Marketing
Supply Chain Management

COLLEGE OF EDUCATION  http://www.ed.illinois.edu
Early Childhood Education
Elementary Education
Special Education

COLLEGE OF ENGINEERING  http://www.engr.illinois.edu
Aerospace Engineering
Agricultural Engineering
Bioengineering
Civil Engineering
Computer Engineering
Computer Science
Electrical Engineering
Engineering Mechanics
Engineering Physics
General Engineering
Industrial Engineering
Materials Science and Engineering
Mechanical Engineering
Nuclear, Plasma and Radiological Engineering

COLLEGE OF MEDIA  http://www.comm.illinois.edu
Advertising
Journalism
Media Studies
COLLEGE OF FINE & APPLIED ARTS  
http://www.faa.illinois.edu

Architectural Studies  
Art and Design-Foundation Year  
Art Crafts  
Art Education  
Art History  
Dance  
Graphic Design  
Industrial Design  
Landscape Architecture  
Music  
Music Education  
New Media  
Painting  
Photography  
Sculpture  
Theatre  
Urban and Regional Planning

LIBERAL ARTS & SCIENCES  
http://www.las.illinois.edu

Actuarial Science  
Anthropology  
Art History  
Astronomy  
Atmospheric Sciences  
Biochemistry  
Biology Teaching  
Chemical and Biomolecular Engineering-LAS  
Chemistry  
Classics  
Comparative and World Literature  
Earth Systems, Environment and Society  
East Asian Languages and Cultures  
Economics  
English  
French  
Geography  
Geology  
German  
History  
Individual Plans of Study  
Integrative Biology  
Interdisciplinary Studies  
International Studies  
Italian  
Latin American Studies  
Linguistics  
Mathematics  
Mathematics and Computer Science  
Molecular and Cellular Biology  
Philosophy  
Physics  
Political Science  
Portuguese  
Psychology  
Religious Studies  
Rhetoric  
Russian and East European Studies  
Russian Language and Literature  
Secondary Education:  
  Biology-LAS  
  Chemistry-LAS  
  Earth Science-LAS  
  English-LAS  
  French-LAS  
  German-LAS  
  Latin-LAS  
  Mathematics-LAS  
  Physics-LAS  
  Russian-LAS  
  Secondary School Teaching-EDU  
  Social Studies-LAS  
  Spanish-LAS  
  Sociology  
  Spanish  
  Speech Communication  
  Statistics  
  Statistics and Computer Science

PREPROFESSIONAL PROGRAMS  
http://www.las.illinois.edu/students/programs/preprofessional/

Dentistry  
Law  
Medicine  
Nursing  
Occupational Therapy  
Optometry  
Pharmacy  
Physical Therapy  
Veterinary Medicine
POLICY for AVIATION MAJORS

BS DEGREE IN HUMAN FACTORS
and
PROFESSIONAL PILOT CERTIFICATE
(revised May 2011)

TRANSFER STUDENTS

Matriculation/Catalog Year

Transfer students into the Aviation degree program will be assigned a college catalog year dependent on matriculation date to the first institution of higher education attended. Students may opt to use a newer catalog by filing a petition with the Aviation Academic Office.

Prerequisites for Intercollegiate Transfer (ICT) into the Human Factors Program

- Student must have taken or currently enrolled in AVI 101 or AVI 121, whichever is appropriate or accumulated flight hours outside the University. The purpose of having had flight experience is that a student then knows from actual experience if they enjoy satisfaction with flight.
- When transferring from another UIUC college, have a cumulative GPA of 2.50 or better
- Student must not be on probation

Transfer from Professional Pilot Curriculum (0487) to Aviation Human Factors (0489)

Professional Pilot students may transfer into the Human Factors curriculum or vice versa, even if they are on probation.

Students Transferring from Outside UIUC to UIUC

Requirements for Admission: Students who have taken courses at a university other than UIUC and wish to transfer into Aviation must have a minimum 2.7 grade point average for consideration.

Flight Experience Required to Graduate: When a student enters UIUC without any flight experience, it will take a minimum of 8 semesters of flight to finish the flight portion of the degree requirements.

Language other than English Requirement: Transfer students must have completed their language other than English requirements BEFORE applying to UIUC. Students must have 3 years of the same high school language other than English or 3 semesters college of the same language other than English or proficiency at the third semester level. The final (third) semester may be in progress at the time of application to the program.
**HUMAN FACTORS CURRICULUM**

**Other Electives**

A student has three options in fulfilling the requirements:

1. A minor from the approved minor listing on the website at: [http://courses.illinois.edu/cis/2010/fall/programs/undergrad/minors.html](http://courses.illinois.edu/cis/2010/fall/programs/undergrad/minors.html). A minor generally requires between 18-24 hours. All of the 27 hours (including area of interest, 300 level, and 400 level courses) would need to be taken in this area (elective aviation or aviation psychology courses could be substituted in to fulfill the additional hours after the minor hours are completed).

2. An area of emphasis – A concentration of courses similar to the minor but utilized if the university does not offer a minor (example – Communication or Theatre). The same rules as a minor listed above would be applicable.

3. Three courses in an area of interest other than aviation or psychology (the three courses must be related and approved by the academic adviser). Three 300-level Psychology or Aviation courses. Three 400-level Psychology or Aviation Psychology (or other approved courses related to aviation – GEOG 460) courses. These can be mixed and matched between Psychology and Aviation Psychology.

Area of Interest Courses: Language courses may be used in this area if not required to meet language requirements for graduation. Language review courses may not be used in this area.

Courses may be any level, i.e. 100, 200, 300, or 400 level in the Area of Interest.

**300-400 Level Courses**

Courses need to be a sequence in a specific subject area or a petition (approval of the Academic Dean) will be needed to tie them together; Example: ACCY 201, 202 and ADV 300 would need a petition; 3 accounting courses would not need a petition.

**CLEP Credit**

UIUC no longer accepts any credit from CLEP. The Institute of Aviation follows the University policy.

**General Education Courses**

General education requirements may count in more than one general education category according to the UIUC General Education tables on the web at: [http://courses.illinois.edu/cis/gened/urbana/2006/Fall/](http://courses.illinois.edu/cis/gened/urbana/2006/Fall/)

The only two required courses in the human factors curriculum that may count for both general education and major requirements are: ATMOS 120 and PSYC 100.

The preferred Quantitative Reasoning I requirement for an aviation degree major is PSYC 235, Introduction to Statistics. Students may not receive credit for PSYC 235 if they have already received credit for a college level introductory statistics course. Credit is not given for both PSYC 235 and any one of the following courses: ECON 202, 203, SOC 280, STAT 100, EPSY 480, and ACE 261.

Any of these courses would also meet the Quantitative Reasoning I requirement.
The Quantitative Reasoning II requirement is met by advanced analytical classes. One course (3 hours) is needed for freshmen entering Fall 2002 and after. Recommended courses would be ATMS 100, NPRE 101, or PHYS 140. A second Quantitative Reasoning I course would also meet the Quantitative Reasoning II requirement.

Hours for Math 012 and Math 016 **DO NOT** count toward a degree or in the 120 hours needed for graduation.

**Psychology 390**

Psychology 390 is offered as S/U only and therefore the course cannot count as a 300 level course requirement since required courses for the degree must be graded. It may be counted as an elective and hours toward graduation. Special paper work must be completed with the Psychology Advising Office, 10 Psychology Building.

**Kinesiology Courses**

KIN 100 through 111 do not count as either courses or hours toward the degree. They may be taken as electives and count in the minimum of 12 hours needed for enrollment each semester.

**Military Service/ROTC**

Credit for military service is determined by the UIUC Transfer Articulation Office with the possibility of a maximum of 8 hours of credit being granted. Most often no more than 4 credit hours is given. Aviation adheres to the determination of the Transfer Articulation Office.

ROTC: Aviation will accept all 300 level ROTC courses (air force, navy, military science) as hours toward graduation. They may be counted in the 300 level course category OR in the area of interest category, as long as there are a minimum of nine hours in this same area. They may not be counted in both categories. No 100 or 200 level ROTC courses will be counted as hours toward graduation or to meet any course requirements for the degree.

**Language Requirements to Graduate**

For students entering UIUC Summer 2000 or after: 3 years of the same high school language other than English or 3 semesters college of the same language other than English or proficiency at the third semester level.

Courses taken to meet language requirements may not be taken as required courses in the “Other Electives” area of interest. If a student has 3 years of high school language other than English and proficiencies out of one or more courses of language at UIUC, then the proficiency hours may be used as open elective hours.
**ACADEMIC**

**Double Major/Double Degree**

When a student wishes to have two majors within the same college, it is called a double major. When a student wishes to have two majors in two different colleges, it is called a double degree. Aviation students who wish a degree in Aviation Human Factors and a degree in another major would have a double degree.

A double degree requires a student to complete the required courses in one degree and then take 30 additional hours in the second degree. The number of hours required would include the number of hours for graduation in the first degree plus 30 additional hours…in no case less than 150 hours total.

If a student wishes to take the courses concurrently, they need to have the approval of both degree departments/colleges.

Students are required to work with and inform both departments/college of their double degree plans and progression towards both degrees. Each department/college will approve their own courses of study for their specific degree. Advisers in both degree curriculum should be kept updated on your progress toward your degrees.

**Minor**

Students may receive a minor in an area in which a minor is offered; see website: http://www.provost.illinois.edu/programs/advising/minors.html. The procedure for declaring a minor is listed also at this website. In the Institute of Aviation, minor courses will not count as both general education requirements and minor requirements in the “Other Electives” category..

**Advising**

All aviation majors are required to see the academic adviser during “advising time”. Appointments are made on the website at: http://www.aviation.illinois.edu on a first come first serve basis. Appointments are not necessary for students to visit with the adviser EXCEPT during “advising time”. “Advising Time” for fall semester begins the 2nd or 3rd week of September through the end of October. “Advising Time” for spring semester begins the 2nd or 3rd week of February through the end of March. Students who have not completed their advising appointment prior to Flight Sign-Up Day will not be able to reserve a plane for the following semester nor sign up for their classes on-line.

**Graduation**

All courses required for the degree must be satisfactorily completed. A student must earn a cumulative grade-point average (GPA) of at least 2.0 in all coursework taken at UIUC and in all transfer credit. In addition students must earn an overall 2.0 average or better in their major courses.

The student is responsible for announcing their candidacy for a degree by indicating that candidacy through the Banner registration system. This is done while registering for the term in which students finish all requirements for graduation.

- Aviation Human Factors majors who graduate with a GPA between 3.2 and 3.49 will graduate with honors.
- Aviation Human Factors majors who graduate with a GPA between 3.5 and 3.79 will graduate with high honors.
Aviation Human Factors majors who graduate with a GPA above a 3.8 will graduate with highest honors.

Aviation graduates participate in the morning (10:30 AM) UIUC ceremony. An Institute of Aviation graduation ceremony is held in the afternoon (2 PM) on the same day.

**Withdrawal/Reentry to Aviation**

Students who have been asked to leave UIUC or who choose to withdraw from UIUC and seek reentry into Aviation must notify the academic office *two months prior* to the beginning of the semester in which readmission is sought. This may be done by phone, letter, or e-mail.

Final approval to reenter Aviation will be delayed pending receipt of a transcript showing 12 hours of transferable course work taken at another educational institution in which A’s and B’s were earned. A petition must also accompany the transcript describing how the student plans to succeed at UIUC if allowed to reenter. The petition is available from the Aviation Academic Office.

Students **will not** be allowed to withdraw from a single class or their entire course load for a semester after instruction ends for that semester (last day of instruction *NOT* last day of finals). Documentation showing a medical condition could be an exception.

**FLIGHT**

**Proficiency Credit for Flight Courses**

If a student enters UIUC with a FAA private pilot certificate, he/she will go into AVI 121, Requalification Course. Three credit hours may be allowed if the private certificate was received at a FAR 141 approved training center following successful completion of UIUC AVI 121. No credit hours will be allowed for students receiving their FAA certificate under 14 CFR Part 61.

If a student enters UIUC with a FAA instrument rating, he/she will need to take the AVI 140 FAA final exam for ground school and pass with 75% accuracy and take the AVI 140 check ride, both oral and flight, (at his/her own expense) and pass with the Chief Pilot or designee. After successful completion, proficiency credit could be given if the FAA instrument rating was received at a 14 CFR Part 141 approved training center. No credit hours will be allowed for students receiving their FAA certificate under 14 CFR Part 61.

If a student enters UIUC with a FAA commercial pilot certificate, he/she will need to take the AVI 210 FAA final exam for ground school and pass with 75% accuracy and take the AVI 210 check ride, both oral and flight, (at his/her own expense) with the Chief Pilot or designee. After successful completion, proficiency credit could be given if the FAA commercial rating was received at a 14 CFR Part 141 approved training center. No credit hours will be allowed for students receiving their FAA certificate under 14 CFR Part 61.
NEW STUDENTS ENTERING UIUC WITH A CURRENT INSTRUMENT RATING OR COMMERCIAL CERTIFICATE:
New students (freshmen or transfer students) who already have an instrument rating or a commercial flight certificate must complete all of their testing as mentioned in the 2nd and 3rd paragraphs above to determine which flight class they will be in no later than 1 week prior to the beginning of classes for that semester. Students may contact the Chief Pilot at 244-8646 or email sybilp@illinois.edu to make arrangements to complete these requirements. The new student will be billed for plane and instructor time. Approximate cost:

- Testing for Instrument Rating - $375
- Testing for Commercial Certificate - $450

All Aviation Human Factors majors are required to successfully complete the AVI 320 (CFI), 322 (CFII), 380 (Multi-Engine), and AVI 381 (Cockpit Resource Management) at UIUC. No exceptions! Successful completion of the class is defined as getting a D minus grade or above in the class, passing the FAA written exam, passing the oral exam, and passing the checkride.

If an Aviation Human Factors major chooses the Non-Flight Instructor Option (not to enroll in AVI 320 or 322/392), then he/she is required to successfully complete AVI 130 and 140 (Instrument Rating) in addition to AVI 200 and 210 (Commercial Certificate) at UIUC.

Replies from Flight Class

If a sophomore, junior, or senior aviation major cannot fly during a specific semester, they may take a one semester reprieve. This is allowed only one time during a student’s college career. Documentation must be provided to support the request for the reprieve.

University policy requires a freshman to remain in the major to which they were admitted for 2 semesters. Aviation freshmen majors are required to fly BOTH semesters their first year of classes. Reprieves are not an option for freshmen.

An aviation student on reprieve must fly the semester following the reprieve or transfer into another college at UIUC by noon of the first day of class in the following semester. Failure to do so will result in the student being dropped from both the aviation curriculum and UIUC.

Flight Sign-up Day

Order of priority:
1. Human factors degree and pro pilot students enrolled full time
2. Cross campus students who have flown at UIUC in previous semester
3. Cross campus freshmen and sophomores who wish to pursue a career/degree in aviation
4. Other cross campus freshmen and sophomores
5. Cross campus juniors and seniors
6. Non degree students who have taken aviation classes previously
7. Non degree students who have not taken aviation classes previously
Juniors and seniors who are not aviation majors will receive very low priority for AVI 101. Priority is allowed for students interested in an aviation career.

One week following flight sign-up day, other students may sign up for flight. Aviation majors not completing advising appointments will not be allowed to sign up for flight until advising is completed.

Airplanes are reserved on a first come-first serve priority basis by total college hours. Continuing students’ total college hours are based on hours at the end of the previous semester. New students total college hours are based on credit hours enrolled in for that semester (including AP, proficiency, and transfer courses).

**Students are only guaranteed a plane when they complete their advising appointment on time and sign up for a flight period on the designated day.**

**Aviation 090**

Students who do not gain proficiency in the skills required for any specific flight course may be recommended for AVI 090 to build the necessary skills and confidence of performance before progressing to the next level flight course.

AVI 090 may be repeated up to a maximum of three times. Students need to consider another major if they find they need to take AVI 090 more than three times.

Students who fail their check ride two times will be recommended for AVI 090.

AVI 090 may not be taken two semesters in succession without approval from the Chief Pilot. It is recommended after the student has completed the first AVI 090 and not yet finished requirements of the original flight course that they discontinue flight for one semester and reevaluate their aviation goals. If the student decides to continue in aviation, then they may enroll again in AVI 090 after a semester with no flight. Students will need to see the academic adviser for a “Reprieve from Flight.”

**Aviation 320 and Aviation 380**

Students will not be allowed to enroll concurrently in Aviation 320 and Aviation 380 during Summer 2.

**Aviation 350**

This optional practice teaching course has three components: lecture, instructor meetings, and teaching 1-2 beginning students while employed as a part-time flight instructor. It is strongly recommended that students who wish to eventually instruct at UIUC complete this course. Admission to this course requires department approval by the Chief Pilot. Criteria for approval includes student performance in AVI 320, CFI.

**Aviation 392**

Beginning Fall 2003, students will have the option of taking Aviation 392 which combines the CFII (AVI 322 – 1 hour credit) and the MEI (AVI 391 – 0 hours credit). This course will include more multi engine flight time than the original option. The original option for this course includes the required course, AVI 322 (CFII) and the optional course, AVI 391 (MEI) taken separately. AVI 322 or AVI 392 is a requirement for graduation.
### INSTITUTE OF AVIATION

2011-2012 FLIGHT FEES (Summer 2011, Fall 2011, Spring 2012)

*(Flight Fees are paid in addition to University Tuition and Fees)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVI 101</td>
<td>Private Pilot I *</td>
<td>$4,191</td>
</tr>
<tr>
<td>AVI 120</td>
<td>Private Pilot II *</td>
<td>$5,416</td>
</tr>
</tbody>
</table>

*If you already have your Private Pilot Certificate you will enroll in AVI 121 instead of AVI 101 and AVI 120

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVI 130</td>
<td>Instrument Rating I</td>
<td>$4,876</td>
</tr>
<tr>
<td>AVI 140</td>
<td>Instrument Rating II</td>
<td>$5,160</td>
</tr>
</tbody>
</table>

*If you already have your Instrument Rating, you will be required to take a check ride with the Chief Pilot and the final exam for the UIUC instrument rating before classes begin and at your own expense before advancing to the Commercial classes (approximately $300-$400).*

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVI 200</td>
<td>Commercial Pilot I</td>
<td>$6,996</td>
</tr>
<tr>
<td>AVI 210</td>
<td>Commercial Pilot II</td>
<td>$6,944</td>
</tr>
</tbody>
</table>

*If you already have your Commercial Rating, you will be required to take a check ride with the Chief Pilot and the final exam for the UIUC commercial rating before classes begin and at your own expense before advancing to the CFI or Multi Engine classes (approximately $300-$400).*

### Advanced and/or Optional Aviation Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVI 090</td>
<td>Orientation Refresher</td>
<td>$3,553</td>
</tr>
<tr>
<td>AVI 121</td>
<td>Private Pilot, Requalification</td>
<td>$2,606</td>
</tr>
<tr>
<td>AVI 320</td>
<td>Flight Instructor</td>
<td>$4,418</td>
</tr>
<tr>
<td>AVI 322</td>
<td>Instrument Flight Instructor</td>
<td>$2,379</td>
</tr>
<tr>
<td>AVI 380</td>
<td>Multi-Engine Land</td>
<td>$5,632</td>
</tr>
<tr>
<td>AVI 381</td>
<td>Cockpit Resource Management</td>
<td>$1,358</td>
</tr>
<tr>
<td>AVI 391</td>
<td>Special Ratings/Specialized Flight</td>
<td>$4,751</td>
</tr>
<tr>
<td>AVI 392</td>
<td>Professional Multi-Engine Indoctrination</td>
<td>$8,377</td>
</tr>
<tr>
<td>AVI 393</td>
<td>Corporate Jet Pilot Orientation</td>
<td>$1,101</td>
</tr>
</tbody>
</table>

### Additional Aviation Cost:

Students must have a third-class FAA medical certificate prior to their first solo flight. It is recommended that you obtain this exam before classes begin. If you feel you have a condition that would cause difficulty in obtaining the FAA medical certificate, discuss this with the Aviation Academic Office (or with an FAA approved physician) prior to applying for admission. The cost for this examination will be approximately $85-$100, depending on your locality.

All flight students are required to purchase a headset. This may be purchased on your own or through the Illini Union Book Store for approximately $250.00.
**MEDICAL CERTIFICATION STANDARDS as of June 1, 2009**

<table>
<thead>
<tr>
<th>Certificate Class</th>
<th>First-Class Pilot Type</th>
<th>Second-Class Pilot Type</th>
<th>Third-Class Pilot Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DURATION</strong></td>
<td>1 Year</td>
<td>1 Year</td>
<td>5 years; 2 years if 40+</td>
</tr>
<tr>
<td><strong>DISTANT VISION</strong></td>
<td>20/20 or better in each eye separately, with or without correction.</td>
<td>20/40 or better in each eye separately, with or without correction.</td>
<td></td>
</tr>
<tr>
<td><strong>NEAR VISION</strong></td>
<td>20/40 or better in each eye separately (Snellen equivalent), with or without correction, as measured at 16 inches.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INTERMEDIATE VISION</strong></td>
<td>20/40 or better in each eye separately (Snellen equivalent), with or without correction at age 50 and over, as measured at 32 inches.</td>
<td>No requirement.</td>
<td></td>
</tr>
<tr>
<td><strong>COLOR VISION</strong></td>
<td>Ability to perceive those colors necessary for safe performance of airmen duties.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HEARING</strong></td>
<td>Demonstrate hearing of an average conversational voice in a quiet room, using both ears at 6 feet, with the back turned to the examiner OR pass one of the audiometric tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BLOOD PRESSURE</strong></td>
<td>No specified values stated in the standards. Current guideline maximum is 155/95.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EAR, NOSE, THROAT</strong></td>
<td>No ear disease or condition manifested by, or that may reasonably be expected to be manifested by, vertigo or a disturbance of speech or equilibrium.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ELECTRO-CARDIOGRAM</strong></td>
<td>At age 35 &amp; annually after age 40.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MENTAL</strong></td>
<td>No diagnosis of psychosis, or bipolar disorder, or severe personality disorders.</td>
<td>Not routinely required.</td>
<td></td>
</tr>
<tr>
<td><strong>SUBSTANCE DEPENDENCE &amp; SUBSTANCE ABUSE</strong></td>
<td>A diagnosis or medical history of substance dependence is disqualifying unless there is established clinical evidence, satisfactory to the Federal Air Surgeon, of recovery, including sustained total abstinence from the substance(s) for not less than the preceding 2 years. A history of substance abuse within the preceding 2 years is disqualifying. Substance includes alcohol and other drugs (i.e., PCP, sedatives and hypnotics, anxiolytics, marijuana, cocaine, opioids, amphetamines, hallucinogens, and other psychoactive drugs or chemicals).</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DISQUALIFYING CONDITIONS</strong></td>
<td>Unless otherwise directed by the FAA, the Examiner must deny or defer if the applicant has a history of: (1) Diabetes mellitus requiring hypoglycemic medication; (2) Angina pectoris; (3) Coronary heart disease that has been treated or, if untreated, that has been symptomatic or clinically significant; (4) Myocardial infarction; (5) Cardiac valve replacement; (6) Permanent cardiac pacemaker; (7) Heart replacement; (8) Psychosis; (9) Bipolar disorder; (10) Personality disorder that is severe enough to have repeatedly manifested itself by overt acts; (11) Substance dependence; (12) Substance abuse; (13) Epilepsy; (14) Disturbance of consciousness and without satisfactory explanation of cause, and (15) Transient loss of control of nervous system function(s) without satisfactory explanation of cause.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**These standards are the minimum standards required by the FAA. Individual air carriers may choose to have more stringent standards.**
### INSTITUTE OF AVIATION AIRCRAFT

<table>
<thead>
<tr>
<th>Number</th>
<th>Type</th>
<th>Seats</th>
<th>Uses</th>
<th>Special Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>Piper Archer III’s</td>
<td>4</td>
<td>Primary Trainer used for 101, 120, 130, 140</td>
<td>Single Engine 180 Horsepower</td>
</tr>
<tr>
<td>7</td>
<td>Piper Arrows</td>
<td>4</td>
<td>Used for 200, 210, 320, 322, 392</td>
<td>200 Horsepower Retractable landing gear</td>
</tr>
<tr>
<td>3</td>
<td>Piper Seminole’s</td>
<td>4</td>
<td>Used for 380, 381, 392</td>
<td>Twin-Engine 360 Horsepower Retractable landing gear</td>
</tr>
<tr>
<td>2</td>
<td>Cessna 152’s</td>
<td>2</td>
<td>Used in AVI 120 and AVI 320</td>
<td>High-Wing Aircraft 115 Horsepower</td>
</tr>
</tbody>
</table>

### FLIGHT TRAINING DEVICES

<table>
<thead>
<tr>
<th>Number</th>
<th>Type</th>
<th>Seats</th>
<th>Uses</th>
<th>Special Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Frasca 141’s</td>
<td>1</td>
<td>Used for all courses</td>
<td>Advanced Simulators One with Visual Display</td>
</tr>
<tr>
<td>1</td>
<td>Frasca 142</td>
<td>1</td>
<td>Used for 380</td>
<td>Advanced Twin-Engine Simulator</td>
</tr>
<tr>
<td>1</td>
<td>Frasca 242</td>
<td>2</td>
<td>Used for 381</td>
<td>Advanced Twin-Engine Simulator</td>
</tr>
<tr>
<td>1</td>
<td>Frasca 242T</td>
<td>2</td>
<td>Used for 393</td>
<td>Turboprop Simulator</td>
</tr>
<tr>
<td>1</td>
<td>Mentor AATD</td>
<td>1</td>
<td>Used for 200 and 210</td>
<td>Advanced Glass cockpit Simulator</td>
</tr>
<tr>
<td>3</td>
<td>Personal Computer Aviation Training Device’s (PCATD’s)</td>
<td>Used for instrument training, AVI 130, 140, 322 and research</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Institute of Aviation
**University of Illinois at Urbana-Champaign**

**Hours of Flight Time**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>DUAL</th>
<th>PILOT IN COMMAND</th>
<th>SOLO</th>
<th>INSTRUMENT</th>
<th>STAGE CHECK</th>
<th>FLIGHT TRAINING DEVICE</th>
<th>LANDINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AVI</td>
<td>Flight Time</td>
<td>Total</td>
<td>Complx</td>
<td>MEL</td>
<td>Cross Country</td>
<td>Night</td>
<td>Local</td>
</tr>
<tr>
<td>101</td>
<td>27.5</td>
<td>24.2</td>
<td>1.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
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<tr>
<td>120</td>
<td>34.4</td>
<td>21.0</td>
<td>1.0</td>
<td>2.0</td>
<td>12.0</td>
<td>9.0</td>
<td>12.0</td>
</tr>
<tr>
<td>130</td>
<td>28.2</td>
<td>18.5</td>
<td>1.0</td>
<td>2.0</td>
<td>8.2</td>
<td>7.0</td>
<td>13.0</td>
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<tr>
<td>140</td>
<td>30.2</td>
<td>22.7</td>
<td>1.0</td>
<td>2.0</td>
<td>14.5</td>
<td>2.5</td>
<td>6.0</td>
</tr>
<tr>
<td>200</td>
<td>39.5</td>
<td>22.5</td>
<td>20.0</td>
<td>2.0</td>
<td>1.5</td>
<td>39.5</td>
<td>22.0</td>
</tr>
<tr>
<td>210</td>
<td>38.7</td>
<td>21.5</td>
<td>19.7</td>
<td>2.0</td>
<td>1.0</td>
<td>38.7</td>
<td>21.2</td>
</tr>
<tr>
<td>320</td>
<td>25.0</td>
<td>20.0</td>
<td>10.0</td>
<td>1.0</td>
<td>25.0</td>
<td>25.0</td>
<td>1.0</td>
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<tr>
<td>322</td>
<td>14.3</td>
<td>13.1</td>
<td>14.3</td>
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<td>1.2</td>
<td>.7</td>
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<tr>
<td>380</td>
<td>15.0</td>
<td>13.0</td>
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<td>2.0</td>
<td>2.0</td>
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<tr>
<td>381</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>392</td>
<td>25.0</td>
<td>23.0</td>
<td>23.0</td>
<td>23.0</td>
<td>25.0</td>
<td>25.0</td>
<td>25.0</td>
</tr>
<tr>
<td>393</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>090+</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>121*</td>
<td>16.7</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**TOTAL**

<table>
<thead>
<tr>
<th>Flight Time</th>
<th>Total</th>
<th>Complx</th>
<th>MEL</th>
<th>Cross Country</th>
<th>Night</th>
<th>Local</th>
<th>Total</th>
<th>Complx</th>
<th>MEL</th>
<th>Cross Country</th>
<th>Night</th>
<th>Local</th>
<th>Total</th>
<th>SI</th>
<th>Actual</th>
<th>Flight Time</th>
<th>Total</th>
<th>Inst.</th>
<th>Total</th>
<th>FR</th>
</tr>
</thead>
<tbody>
<tr>
<td>279.8</td>
<td>201.5</td>
<td>87.0</td>
<td>38.0</td>
<td>21.0</td>
<td>6.5</td>
<td>6.5</td>
<td>217.4</td>
<td>95.7</td>
<td>27.5</td>
<td>58.0</td>
<td>9.5</td>
<td>4.5</td>
<td>63.7</td>
<td>3.0</td>
<td>0.5</td>
<td>45.0</td>
<td>5.0</td>
<td>1.0</td>
<td>44.3</td>
<td>44.3</td>
</tr>
<tr>
<td>14.6</td>
<td>56.7</td>
<td>46.7</td>
<td>20.0</td>
<td>20.0</td>
<td>10.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

+ AVI 090 – 15.0 hours if flying Archer; varies with course and aircraft; hours not counted in **TOTAL TIME**

* AVI 121 – hours not counted in **TOTAL TIME**
| WEBSITES |
|------------------|------------------|
| http://www.aviation.illinois.edu | Aviation/ 217-244-8671 |
| http://www.illinois.edu | University of Illinois |
| http://admissions.illinois.edu | Admissions Office/ 217-333-0302 |
| http://registrar.illinois.edu | Registrar’s Office/ 217-333-0210 |
| http://courses.illinois.edu/cis/index.html | Lists courses, schedules, programs of study, and opens registration in one handy web site |
| http://illinois.edu/ds/search | UIUC phonebook |
| http://courses.illinois.edu/cis/2011/fall/schedule/index.html | Courses Catalog |
| http://courses.illinois.edu/cis/2011/fall/programs/index.html | Programs of Study Catalog |
| http://www.osfa.illinois.edu | Financial Aid/ 333-0100 |
| http://www.usfsco.uillinois.edu/Billing.html | Student Account Information |
| http://registrar.illinois.edu | Transcripts and Certification of Enrollment/333-0210 |
| http://admin.illinois.edu/policy/code | The Code of Policies and Regulations Applying to All Students |
| http://www.transfer.org | Transfer Information |
| http://www.careercenter.uiuc.edu | Career Service Center/333-0820 |
| http://www.mckinley.illinois.edu | McKinley Health Center/333-2701 |
| http://www.counselingcenter.illinois.edu | Counseling Center/333-3704 |
| http://courses.illinois.edu/cis/gened | General Education Requirements |
| http://www.uofibookstore.uiuc.edu | Illini Union Bookstore/333-2050 |
| http://www.uaa.aero/ | University Aviation Association/334-844-2434 |
| http://illinois.edu/calendar/list/557 | Dates for future semesters |
| http://registrar.illinois.edu/financial/refunds.html | Dates for refunds |
| http://registrar.illinois.edu/financial/tuition.html | Cost of UIUC tuition and fees |
INFORMATION ON APPLYING FOR SCHOLARSHIPS

Plan ahead and start early. Many deadlines for scholarship applications are near the beginning of each year or early spring. During winter vacation, start your scholarship search.

Send your inquiry letters early to the places you select to apply for scholarships.

Get 2-3 letters of reference from instructors, employers, and community leaders so they are available when you need them. Always ask your referee if they feel they could provide a positive letter of reference for you and if you could use their name. Don’t forget to thank them. Your referee may ask you for a resume in order that they may be more precise. Do this over winter break.

Order several transcripts from the transcript office so you have them on hand and can mail them directly when they are asked for. A grade point average of 3.0 (B) or above is good when applying for most scholarships. Do this over winter break after your fall semester grades are posted.

Most scholarship applications ask for a 500-word essay on your goals and career aspirations. Write it up over winter break. This basic statement can then be modified slightly depending on the requirements for each scholarship.

Now the basics are done and when classes begin, you have only to deal with the specific requirements for each scholarship. Therefore, you should still have the time necessary for studying.

Be involved in organizations and activities that support your major and your career goals. Volunteer for committees. Show in some manner that you are enthusiastic about your chosen major/career. What kind of activities will make you stand apart from your fellow classmates when you are looking for an internship or a job? Get involved now…don’t wait until you are a junior or senior. You will be missing a lot of fun and meeting of new friends and acquaintances….networking starts now!!

Often it will take 4-5 months from the time of your scholarship inquiry until you hear the results of the scholarship search. Follow-up with the scholarships to be sure they received your application. Don’t hesitate to contact them regarding their decisions if a reasonable time has passed. You can always inquire about the status of your application.

Contact the Aviation Academic Office for individual assistance or more information.
AVIATION SCHOLARSHIP OPPORTUNITIES

Illinois Air Force ROTC State Scholarship  
Captain Maura Sillas  
AFROTC Detachment 190, University of Illinois, 226 Armory, 505 East Armory, Champaign, IL 61820, (217) 333-1927, masillas@illinois.edu  
http://afrotc.illinois.edu/Scholarships/Scholarships.html

Verdell Frazier Young Award for Re-entry Women  
Office of Women’s Programs (for women who have taken at least a one year break from college)  
Room 300, Student Services Building, 610 East John Street, Champaign, IL 61820, 217-333-3137

Airline Pilots Association Scholarship Program  
http://www.alpa.org

Airports Council International  
http://aci-na.org

Vertical Flight Foundation Scholarship  
http://www.vtol.org

American Association of Airport Executives  
http://airportnet.org

Ernie Ayer Aviation Scholarship  
TAyer73352@aol.com

Eugene Kropf Scholarship  
bwulle@purdue.tech.edu

Experimental Aircraft Aviation Foundation  
http://eaa.org

Florida Spaceport Chapter, The Ninety Nines Inc  
http://www.ninety-nines.org

Joseph Frasca Excellence in Aviation Scholarship  
newmyer@siu.edu

National Business Aircraft Association  
http://www.nbaa.org/scholarships

National Gay Pilots Association  
http://www.ngpa.org

LeRoy W Homer Jr. Foundation  
http://leroywhomerjr.org
National Air Transportation Foundation
Amy B. Koranda, Manager, Education and Training
4226 King Street, Alexandria, VA 22302, 703-845-9000 or 1-800-808-6282
http://www.nata.aero/

Palwaukee Airport Pilots Association (P.A.P.A.)
PAPA Scholarship Chairman
1005 S Wolf Road, Suite 106, Wheeling, IL 60090-6408, 847-229-1694
www.pwpilots.org

Illinois Pilots Association
Al Griffiths, President
http://www.illinoispilots.com

Illinois Aviation Trades Association
Gordon M. Olsen, Executive Director
PO Box 7131, Springfield IL 62791, 217-546-4713
Tom Frasca, President, Scholarship Chair
1402 E. Airport Road, Urbana, IL 61801, 217-367-8441

Institute of Aviation
Bill Jones, Scholarship Chair or Rita Black, Secretary
Pilot Training, Willard Airport, 217-244-8606
http://www.aviation.uiuc.edu/

Each year the Institute of Aviation provides the opportunity for scholarships for Professional Pilot and Human Factors students. The yearly amount may vary, depending upon interest rates. Application dates are posted in Pilot Training in early spring semester with due dates occurring near the end of March. Applicants must be either currently or formerly enrolled in the Institute of Aviation and must be enrolled in a flight course at the time of selection and during the following academic year.

Jesse W. Stonecipher Scholarship
Established by Institute of Aviation Associate Director Emeritus Stonecipher. Awarded to an outstanding student with strong consideration given to students participating on the Flying Team; must hold a Private Pilot’s Certificate and plan to continue flight training through the Commercial Pilot’s Certificate.
2006 Award: one scholarship of $1,500.

Olive Ann Beech Annual Flight Scholarship
One or more scholarships to be awarded to a student based on academic accomplishment; requires satisfactory completion of AVI 101 flight course.
2006 Award: one scholarship of $1,000.

Harriet E. Hedrick and Frank E. Hedrick Scholarship
Student must have a B average or better, seeking a career in aviation, and shows financial need.
2006 Award: one scholarship of $1,000

James A. Carr Scholarship
Awarded to students who have completed one year in pilot training, received Private Pilot’s Certificate, and obtained sophomore standing; must have completed 30 hours coursework at UIUC; overall GPA of 3.0 and Aviation GPA of 3.0
2006 Awards: one scholarship of $1,000

Todd and Christine Drew Advanced Aviation Scholarship
Awarded to a student majoring in Aviation Human Factors.
2006 Award: one scholarship of $1,000
**Stu Moment Aviation Citizenship Award**  
Awarded to a student showing outstanding citizenship activity  
2006 Award: one scholarship of $500

**Applegate/Mylin/Woolman Leadership Award**  
Awarded to a Professional Pilot graduate or a Human Factors graduate who has exhibited outstanding successful leadership during their tenure at UIUC.  
2006 Award: $500 cash award to each of two graduating seniors

**Glenn L. and Margretta Faullin Brown Scholarship**  
Awarded for excellence in flight training.  
2006 Award: two scholarships of $1,500 each

**Robert Ruelle Memorial Award**  
Awarded to an advanced flight student.  
2006 Award: one scholarship of $500

**Bruce Knecht Memorial Scholarship**  
Awarded to a flight student.  
2006 Award: one scholarship of $1,000

**H. Everett Sutter Passion for Flying Award**  
Awarded to a flight student who exhibits great enthusiasm for aviation and for flying  
2006 Award: one $500 cash award

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**University Aviation Association**  
3410 Skyway Drive, Auburn, AL 36830, 334-844-2434  
http://uaa.auburn.edu/msie.htm

**General Aviation Manufacturers Association**  
1400 K Street NW, Suite 801, Washington, DC 20005-2485, 202-393-1500  
Dr. Harold S. Wood Award for Excellence  
http://college.enotes.com/scholarships-loans/general-aviation-manufacturers-association

**Women’s Club at the University of Illinois**  
Office of Women’s Programs  
Room 300, Student Services Building, 610 East John Street, Champaign, IL 61820; phone 333-3137

**Wisconsin Airport Management Association**  
Mike Olson, Secretary, Wisconsin Airport Management Association  
LaCrosse Municipal Airport, 2850 Airport Road, LaCrosse, WI 54603

**AOPA Air Safety Foundation**  
Sylvia Horne, Scholarship Coordinator  
AOPA Air Safety Foundation, 421 Aviation Way, Frederick, MD 21701-4798; phone 301-695-2174  
http://www.aopa.org/asf/about/scholarship/

**EAA Vintage Aircraft Association, Chapter 15**  
Tracy Heine  
382 Bartlett Street, Portsmouth, NH 03801, 603-436-6689  
for students from NH, MA, ME
**Women in Aviation International**  
Women in Aviation International Scholarships, PO Box 11287, Daytona Beach, FL 32120-1287  
http://www.wai.org/education/scholarships.cfm

**LeRoy W. Homer Jr. Foundation**  
In honor of First Officer Homer who was on Flight 93 that crashed in Shanksville, PA on 9/11/01  
1-800-388-1647  
http://www.leroywhomerjr.org

**Dr. Kazys Grinius Endowment Scholarship**  
To fund the education of UIUC students of Lithuanian descent as well as students who have demonstrated an interest in Lithuanian history, culture, and/or language.  
2006 Award: 3 $1,000 scholarships  
amcneely@uillinois.edu

**American Association of Airport Executives Foundation**  
Scholarship Program, Cote’, PO Box 2810, Cherry Hill, NJ 08034, 856-573-9400  
Their scholarship program includes at least one scholarship for Native Americans.

**Wings Over Houston Airshow Scholarship Program**  
Col Steve Sehnert, Chairman, Scholarship Committee, 17222 Groeschke Road, Houston, TX 77084, 713-625-6419, email ssehnert@bigfoot.com  

**Other Aviation Scholarship Websites**  
http://www.looksmart.com/r_search?l&search=1&key=flight+scholarships  
http://www.avscholars.com

**Other General Scholarship Websites**  
http://www.fastweb.com  
http://www.scholarship.com

**University (UIUC) Scholarships for New Freshmen Aviation Majors**  
These scholarships are established by UIUC and presented at Aviation New Student Orientation just prior to the beginning of fall semester for new freshmen students entering UIUC.

- **FMC Scholarship**  
  Selection of one freshman recipient is based upon predicated grade-point average determined by admission standards of the University of Illinois and Institute of Aviation; donated to each college by Mr. Bert A. Gayman, a UIUC alumnus.  
  Award: one Aviation scholarship of $1,000 applied directly to college expenses; nonrenewable

- **Achievement Scholarship**  
  Awarded through the new student application process to an outstanding academic out-of-state high school senior admitted to UIUC to encourage enrollment diversity at UIUC.  
  Award: one or two Aviation scholarships each year of $2,000 renewable for remaining three years (total $8,000)

- **Michael Anderson Fellowship**  
  Awarded by the Institute of Aviation to a freshman African American scholar with an outstanding high school academic record and the ability to succeed in flight training. This award is in memory of Lt Col Michael Anderson, an astronaut and scientist on the space shuttle, Columbia.  
  Award: one Aviation scholarship of $1,000 applied directly to college expenses; nonrenewable.
INTERNSHIPS

INSTITUTE OF AVIATION

At the present the Institute of Aviation has flight officer internships with American Airlines and several other aviation leaders. These are competitive one-semester unpaid internships. Candidates are selected largely on grade point average and an interview and spend a semester (spring, summer, or fall) at one of the airline’s domiciles.

The experience gained as an intern has proven to be invaluable in the student’s career as a pilot. The internships include “flight” time in jet transport simulators. Most include tours of aircraft manufacturers and opportunities to attend flight officer training sessions.

Typical Criteria Include:

- Junior or Senior Status
- Minimum “B” grade average
- Commercial Pilot Certificate (ASEL and/or AMEL) with Instrument Rating
- Normal color vision and vision correctable to 20/20
- Second class medical with the ability to obtain a first class medical
- US citizenship or alien with legal right to accept U.S. employment
- State(s) driving record must be submitted (generally zero tolerance for a DWI/DUI type violation)

The duration of the internship typically matches the length of the semester (8 weeks summer or 16 weeks fall or spring). Duties vary with location and airline, but are flight related. An intern is enrolled in AVI 199 at UIUC during the internship semester for 1 to 5 credit hours for the internship experience.

OTHER INTERNSHIPS

Students may work through the Associate Director for Academic Affairs in arranging their own internships with smaller carriers, corporate, cargo, or charter aviation. Possibilities include Chautauqua, ATA, NTSB, Southwest, United Parcel Service, NetJets.
Suggestions For New Students To Consider

These are just some ideas for your consideration. The university wants you to succeed and if you have the brains and talent to meet entry requirements, you have the capabilities to earn your degree. These suggestions were made by those who were successful in obtaining their degree. Apply them to yourself and your progress through collegiate studies will be enhanced.

1. **GO TO CLASS**. New students often hear that in college “...you can go to class any time you want.” NOT TRUE! Yes, some classes can be boring, but not everything in life is interesting and collegiate studies are not a matter of you or anyone else being entertained. So learn to handle the “grunt work” and then you will demonstrate the pattern of good work habits that can only enhance your achievement.

2. **LEARN THE CAMPUS**. Every year many students literally get lost. And one campus tour seldom provides the geographic knowledge essential to getting around any major university. So become an explorer and spend some time learning where all the departments are located. Don’t become one of those seniors still looking for the library.

3. **UNDERSTAND THAT THE UNIVERSITY HAS RULES**. Even if you don’t memorize them, always have a copy handy (in the student handbook). Ignorance of what is required is no excuse for failing to perform. Confusion is one thing, but ignorance of a rule says volumes about a person. Do not become one of those who frequently states “But no one told me . . . ”

4. **IGNORE RUMORS**. Rumors of all types abound on a campus. Almost all have a semblance of truth but most have an abundance of fiction. So if you hear a statement which, if followed could effect your program, check with your advisor. Acting on or putting one’s faith in the validity of rumor could prove embarrassing.

5. **BUDGET TIME**. This includes having a social life, but you must learn to plan your study time properly. This means you do not start to study for that all important quiz the night before it is to be given or initiate writing that report the day before it is due. And to utter the statement “I work best under pressure” is really a silly excuse for those who really have no choice. Just remember, your lack of foresight is not going to be your advisor’s or professor’s emergency.

6. **ACCEPT CONSTRUCTIVE CRITICISM**. Bear in mind that when a professor critiques your work, he or she is doing you a favor. Such criticism is not meant to be personal so you should not take it that way. No matter how competent you may be, all work can be improved. Indeed, if your work is heavily RED-LINED, it means that professor took a lot of time to show you how to improve. How would you feel if a professor didn’t read the paper or test and simply assigned a grade? Wouldn’t you be just a little angry? Be prepared to understand and accept academic criticism.

7. **BEING A STUDENT IS A FULL TIME JOB**. You can not work hard one day a week and hope your grades will be above average. In addition, you must focus on not just academics, but also on your social skills. Look upon college as a full time job.

8. **DEVELOP AN APPRECIATION FOR THE MASTERY OF THE LANGUAGE**. No matter what your major or discipline of interest the single most important skill for life success is communication. Just remember also that it is language that distinguishes us from other species. It is how you communicate your skills that demonstrates the depth of your education.
9. **BECOME A PART OF THE UNIVERSITY.** Becoming part of the university community is just as important as going to class, writing papers or taking exams. This doesn’t mean you should join every group, but learn to be selective and then participate. Being involved will only enhance your university experience. Don’t become a hermit.

10. **GET TO KNOW SOME PROFESSORS BEFORE YOU GRADUATE.** This is hard for new students, but at least you can target some faculty you may think are worth knowing before you graduate. Your professors are the individuals who will evaluate your work, supply references for that future career post or for graduate school, and guide your intellectual development. Should you be fortunate enough to develop a bond of friendship, you will find they are invaluable mentors during the rough periods of your academic life. It is true you may develop some negative feelings towards some as you progress. This is true at any college or university. But the majority are quite approachable, don’t let the titles of professor or doctor frighten you.

11. **THERE IS NOTHING WRONG IN BEING INITIALLY CONFUSED.** Some students get upset when they realize they haven’t mastered all the facets of collegiate life during their first term. They are even more upset when they cannot answer that horrible but well meaning question, “What are you going to do when you graduate?” Bear in mind that college is a way of life. You will be learning to cope with it everyday. So if you are worried about your initial confusion, you are only acting normal.

12. **BE PATIENT WITH YOURSELF.** You will make errors or seeming mistakes during your collegiate career. Please be assured you are not DOOMED. When you realize or even think you have made a “goof,” set out to remove or correct it. If you don’t, it can fester and create other problems. This is when your advisor or counselor becomes very important.

13. **MAKE YOUR OWN DECISIONS.** Seeking advice is always wise. Try to play it safe and avoid making choices that can lead to serious personal dissatisfaction. You must learn to take a chance (not a needless risk) when options are available and accept responsibility for your decisions. If you can do that, you are displaying the attributes of responsible adulthood.

14. **YOU ARE IN SCHOOL FOR YOUR EDUCATION, NOT FOR SOMEONE ELSE’S.** If you entered college just to please someone else, you will end up pleasing no one, least of all yourself. While parents, guardians and friends should be concerned about your academic welfare, it is your education, your degree and your life. LEAD IT! If you let others decide what you are going to study and what you are going to be, you have ignored your responsibility to yourself. Yes making decisions and worrying about the possible consequences is hard BUT YOU CAN DO IT.

15. **KNOW YOUR ACADEMIC SITUATION PRIOR TO THE WITHDRAWL PERIOD.** If you have a question or concern about how you are doing in class, go to the professor and discuss it. If you wait until after mid-terms or wait until the last week to “see how things are going” and experience failure, playing academic catch-up can be a no-win situation. Keep yourself informed about how you are doing.

16. **LEARN TO COMMUNICATE IN THE CLASSROOM.** There are no dumb questions concerning subject matter. If you don’t know or don’t understand something, you can be sure that many of your peers don’t either. Learning to ask questions is a real skill and you need to develop it.

17. **SAFEGUARD YOUR PHYSICAL AND MENTAL WELL-BEING.** When exhausted, rest. Eat proper food and know when to relax (not sluff-off). No one is going to thank you for working yourself into a frazzle or getting ill by ignoring your body or mind’s basic needs. It is amazing how many students who clamber for their “independence” simply do not know how to take care of themselves.
18. **ACCEPT RESPONSIBILITY FOR YOURSELF AND YOUR BEHAVIOR.** If what you say and do is prompted by others, or if nothing is ever your fault because others allegedly “pushed” you, you really cannot claim to be an adult.

19. **IT DOES NOT HELP TO BLAME OTHERS FOR YOU ACADEMIC PROBLEMS.** If you are not doing well academically, get help. Few students get through college without some assistance. So what if it takes a little longer to learn the material? But if you are having academic problems and can only offer a myriad of excuses or blame others for your failure to perform, you are simply seeking a “cop-out” for your ineptitude.

20. **LOCATE AND USE ALL UNIVERSITY SERVICES.** Contrary to what some believe, the university does want you to succeed and will help you with all of its services. These range from writing and math labs to personal counseling. Let the university serve you. After all, it is your school.

21. **WRITE HOME.** It may sound silly but your parents can prove to be your strongest support service. They want to know honestly and truthfully how you are doing. They may not know how to help other than listening, but that act alone is essential to your well-being.

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