



THE FLYER

Spring 2016

A newsletter for students, alumni/alumnae & friends of the School of Aviation & Transportation Technology

*Purdue Aviation Day
honors past, present and
future of aviation*



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Purdue Aviation Day executive board and planning committee poses for a photo overlooking the event

"You're cleared for takeoff!"



Dr. John G. Wensveen

HEAD OF SCHOOL & PROFESSOR

Watch Dr. Wensveen's weekly *"Cleared for Takeoff"* video update on the *Purdue Aviation & Transportation Technology YouTube Channel!* He addresses the latest news from his mobile movie studio to give you the latest news and information as it relates to students, alumni, faculty & staff, our friends and industry partners.



Dr. Wensveen taped an edition of CFT during a flight with SATT recruiter, Casey, and aviation student, Rob

A message from our Head of School

Greetings! Welcome to the third edition of THE FLYER! The 2015/16 academic year was a very exciting time for the School of Aviation & Transportation Technology's (SATT) students, faculty, and staff. The 2015 evolution from a Department to a School resulted in increased recognition of our programs regionally, nationally, and globally. Our new education, training, and research model, known as iPOP™ (Industry-Purdue Opportunity Pipeline), has resulted in more industry partnerships than ever before. Student internship and employment opportunities are on the rise. Industry-based research projects are also on the rise creating new opportunities for students to learn hands-on and develop solutions and recommendations for challenging times.

SATT's strategic plan continues to evolve as we bridge the gap between aviation higher education and industry. Curriculum is being redesigned to meet the needs of industry and we are utilizing the experience of industry leading executives to support students, faculty, and staff in the classrooms and laboratories. New program offerings are being developed at the undergraduate and graduate levels. We are focused on making education more affordable and accessible for current and future students. There has never been a better time to pursue a career in aviation!

SATT's recruitment efforts are paying off resulting in increased enrollment across all programs, leading to development of a long-term expansion strategy. Our high-school outreach program continues to grow and in Fall 2016, SATT will launch a program in partnership with Raisbeck Aviation High School in Seattle, WA. As part of the partnership, SATT will offer a Certificate program in Unmanned Aerial Vehicles & Systems to high-school students interested in pursuing. Based upon the success of this initial program, it is expected that certificate offerings will expand and the goal is to work with various school districts throughout the country creating opportunities for students to become educated on aviation subject matter and learn more about pipeline opportunities with Purdue University.

On April 16, SATT hosted *Purdue Aviation Day* and it was a major success. The event was created and managed by our students, resulting in more than 2,500 attendees from the general public and aircraft static displays representing commercial, general, and military aviation. The first *Purdue Aviation Day* was held in 1911 and the students plan to make this an annual tradition. The volume of planning required to make this event a success cannot be described and this was a true hands-on learning experience. I am very proud of all the students who participated in this event. Congratulations on a job well done!

The state of Indiana is experiencing massive growth in the aviation and aerospace sectors and the evolving ecosystem will continue to grow for many years to come. SATT is well positioned to assist in pioneering efforts that result in the creation of employees of the future who will lead such growth. On 04/14/16, a group of SATT students attended the IEDC/IBJ sponsored event, *Aviation & Aerospace in Indiana*. This was a great opportunity for our students to learn more about the massive impact aviation and aerospace has on the State of Indiana. It was also a great opportunity to network with industry professionals including Governor Michael Pence.

Since joining Purdue University in July 2014, I have witnessed a lot of change within SATT, and the historical roots of our foundation positioned us to accomplish great things in the future. Our goal is to be number one in everything we do and create tomorrow's leaders today. No two days are ever the same and the daily challenges we face excite me. I am very proud to be part of Purdue University and I am even more proud to see the great things our students accomplish every day, whether it be on-campus or in a leadership position within industry.

The 2016/17 academic year will be another exciting growth year. Thank you to our faculty and staff for making SATT a success. Thank you to our alumni base and industry partners for continued support of our efforts. Thank you to our students. Your passion for aviation is felt every day.

Have a great summer!

—Dr. John G. Wensveen, Ph.D.,
Head of School & Professor

A bi-annual newsletter published for students, faculty, staff, alumni and friends of the School of Aviation and Transportation Technology

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Facebook:
/PurdueUniversityAviationTechnology

Instagram & Twitter:
@purdueaviation
#purdueaviation

Photo Credits

Casey Hendrickson, SATT
Chris Konecnik, Professional Flight

Newsletter Editor

Casey Hendrickson

WE WANT TO HEAR FROM YOU!

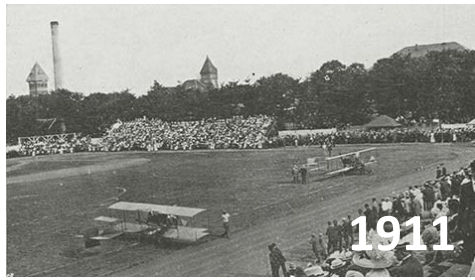
Please connect with us at aviation@purdue.edu to let us know what you're up to

ALL SATT NEWS:

<https://polytechnic.purdue.edu/at/news>

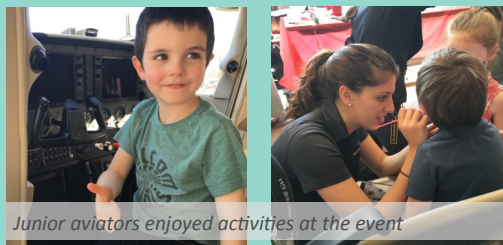


PURDUE AVIATION & TRANSPORTATION TECHNOLOGY

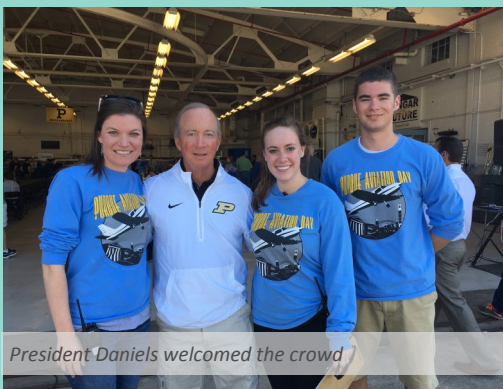


Purdue Aviation Day was held on Saturday, April 16, 2016 from 11am-4pm at the Purdue University Airport. Over 2,500 attendees gathered to see static aircraft displays, learn about our history at the Purdue Aviation history exhibit, and listen to guest lectures from industry partners and faculty. The event also featured a "Little Aviators Club" where kids received an "Airplanes 101" lesson, created air-plane-related crafts and had their faces painted.

The first Purdue Aviation Day was held in 1911 on a grass landing strip where present day Elliott Hall is located. Nearly 17,000 spectators from all around gathered to watch as two biplanes took to the sky. Students of the Department of Aviation Technology (now the School of Aviation & Transportation Technology) have held an annual "Pancake Fly-In" in years past and determined in 2015 that a second annual Purdue Aviation Day would be the perfect way to celebrate the School's name change, enhance partnerships with industry, show their appreciation for the local community and inspire young aviators. The leaders of all Student Organizations within SATT met to discuss plans for the 2016 event. They formed a committee to plan and implement a program and event structure that would last for years to come.



Junior aviators enjoyed activities at the event



President Daniels welcomed the crowd

THE TEAM:

- Austin Decker, Aviation Ambassadors President & PAD16 Director, Event Operations
- Rob Kiszka, Aviation Ambassadors Vice President & PAD16 Assistant Director, Event Operations
- Chad Rachubinski, LEAP Co-President
- Connor Duchon, LEAP Co-President
- Colin Furr, SATT Student Council President
- Ekin Bakkal, American Assoc. of Airport Executives President
- Eric Simon, Flight Team President
- Evan Reese, Alpha Eta Rho Vice President
- Matthew Groh, Purdue Professional Pilots President
- Molly Van Scoy, Women in Aviation President
- Will Seltentright, ATEaM President
- Yu Wang, GALA President
- Nathan Tilley, PAD16 Sales Coordinator
- Jack Smith, PAD16 Marketing Coordinator
- Emily Southworth, PAD16 Volunteer Coordinator
- Abbie Ijams, PAD16 Secretary
- Chris Konecnik, PAD16 Photographer
- Casey Hendrickson, SATT Ambassador Advisor; Recruiting, Placement & Events Coordinator

Thank you to our generous sponsors:



Rolls-Royce



Personal attention highlights Carney's role in online program

MARCH 1, 2016

About the Program

As a part of my long, more than 40-year tenure on the aviation (AT) faculty and graduate faculty, one of my greatest sources of professional joy is the growth of our graduate program, at both the M.S. and Ph.D. levels, as well as the parallel growth of our research impact and collaboration at Purdue. I'm especially proud of our program offered through ProSTAR, because it allows us to provide an excellent master's-level education to industry professionals, most of whom could not pursue a degree on campus because of career and personal commitments.

About the Students

Our students are mature, highly focused, and dedicated. They bring rich diversity (gender, cultural, professional area) to the class online discussions, and that diversity enhances everyone's learning (mine included!). Their status as practicing professionals allows us to teach the course materials at a high level and to have high expectations for the quality of student work; and the students not only tolerate that, they expect it!

I think an especially important component of teaching courses through online delivery is to be responsive to student requests and questions, and I strive to get back to them as quickly as possible. Since I tend to work late (frequently past midnight), it's not unusual to receive an email question at that time, and to answer it immediately. My sense is that students are both initially surprised at the response time at that hour, and that they really appreciate it, because they need the answer to continue their course assignments, and most have to do their study at night and on weekends because of their day jobs.

I also invite my ProSTAR students to schedule a Skype session to discuss their issues, questions, and concerns, particularly for the AT 50600 capstone research course. It allows us to get to know each other better and to put a face with the course messages.

The AT ProSTAR faculty is a small, close-knit subgroup of the AT graduate faculty, and we work together to make our program one of excellence and consistency for our students. That professional relationship, and working with the truly outstanding students we have the pleasure of teaching and mentoring through the ProSTAR program, makes it one of my greatest professional pleasures over a long career at Purdue.



Dr. Tom Carney

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Rose Delong-Bolyard

SENIOR ADVISOR

Advisor for: Professional Flight Technology;
Unmanned Aerial Systems



Allen Reigel

ADVISOR

Advisor for: Aviation Management; Aerospace Financial Analysis; Airport Management & Operations; Airline Management & Operations; Aeronautical Engineering Technology (temporary)

ADMITTED STUDENTS

Welcome to the start of your next chapter-college orientation! Your STAR day will consist of meeting peers in your college, receiving academic advice, registering for your fall courses, and getting excited and learning more about your new home from an upperclass student leader.

Incoming students (for the fall term) will select their one-day STAR session and come to Purdue's West Lafayette campus to conduct this and other important business.

STAR Summer Transition Advising & Registration

You will register for STAR via the myPurdue portal, which is the same portal you will use to register for BGR or BGRI. To register, do the following:

1. In myPurdue, find the "Select your STAR Session" link. This will take you to the registration website.
2. You will then see all STAR dates available for your major. Select your preferred date by clicking "Register for this date."
3. The STAR day you have selected will appear in your shopping cart. You may either change the STAR date you selected by clicking "Remove from Cart" or continue with the process by selecting "Checkout."
4. After you check out, you will be taken to a confirmation page. Please print this page for your records! You are now registered for STAR, and you'll also receive an email at your purdue.edu email address confirming your registration.

2016 SATT CAREER FAIR

The annual SATT Career Fair was a huge success with over 45 companies in attendance! The event was planned entirely by Aviation Technology Student Council (ATSC) to offer student leaders additional opportunities for industry engagement.

The 2017 SATT Career Fair will be happening in the first week of February 2017. The date will be announced shortly—check the SATT website under "Career Resources" for more details and information.

Interested participants can email
aviation@purdue.edu



ATSC student leaders plan and execute the annual career fair held in hangar 1



STAFF SPOTLIGHT



Tim Johnson

STAFF SPOTLIGHT

Tim Johnson

Continuing Lecturer & Chief Pilot, Turbine Flight Operations

Tim Johnson is a continuing lecturer in the School of Aviation & Transportation Technology in West Lafayette, and serves as Chief Pilot of the University's Turbine Flight Operations (TFO).

Tim, in conjunction with other instructors, teaches students enrolled in several courses related to the Embraer Phenom 100 aircraft, which includes an aircraft systems and operations ground school, simulator and jet aircraft flight training. These courses introduce students enrolled in the Professional Flight Technology major to jet aircraft operations in accordance with FAA regulations, standards, and industry best practices. In addition to these teaching responsibilities, he provides the daily oversight and management of flight operations for the two Purdue University jets, a Phenom 100 and Nextant 400XTi. These aircraft are also operated in support of University administration utilizing industry experienced Captains and student First Officers.



Tim currently holds an FAA Airline Transport Pilot (ATP) certificate with three PIC type ratings in jet aircraft, along with a Flight Instructor certificate for both single and multi-engine aircraft. Tim is a member of the Experimental Aircraft Association (EAA) and the Aircraft Owners and Pilots Association (AOPA).

Aviation and aerospace industries challenged by workforce shortages

The future of aviation and its workforce in Indiana were the main discussion topics during an Aviation and Aerospace in Indiana event sponsored by Indiana Business Journal in April.

Dr. John Wensveen, professor and head of the School of Aviation and Transportation Technology, was a panelist for the discussion.

"The big challenge for the industry is creating a talent pipeline knowing that the industry is evolving, continues to grow, and there are more skills and new forms of technology that people have to adapt to," Wensveen said. "It's diplomacy, it's politics, it's communications. There also are the technical skills and being able to evolve with technology and invent with technology. It's hands-on, project-based learning."

Other panelists included Freddie Sarhan, vice president of Indianapolis-based Praxair Surface Technologies; Ryan Metzger, director of the Indiana Aerospace and Defense Council; Matt Koscal, vice president of human resources for Republic Airways; and Jacques Vanier, Alcoa's president of forgings and extrusions. Read more and see a one-on-one interview with Wensveen on IBJ.com (<http://www.ibj.com/articles/58098-workforce-challenges-a-drag-on-aviation-aerospace-industries>)



Dr. John Wensveen addresses audience in 'fireside chat'

RETIREMENTS



Betty Stansbury

Airport Director
15 Years



Phil Mick

Assistant
Professor, AET
28 Years



John Plank

Flight Maintenance
Technician Supervisor
25 Years

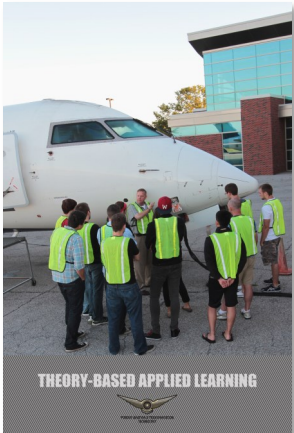
*The School of
Aviation &
Transportation
Technology thanks
you for your years
of service!*

TRANSFORMATION

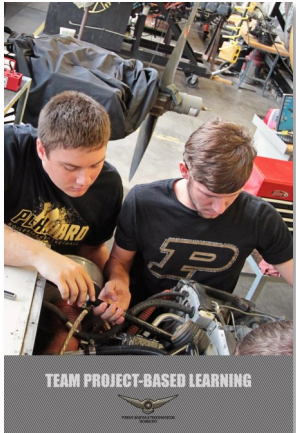
The Purdue Polytechnic learning experience is designed to produce graduates who not only have deep technical knowledge, applied skills, and relevant experiences in their chosen discipline, but also problem solving, critical thinking, innovation, and communication skills sought by employers and communities. The 10 key elements that define this environment (below) are proudly displayed on the walls of the Niswonger Aviation Technology building.

The School of Aviation & Transportation Technology is answering the call for change.

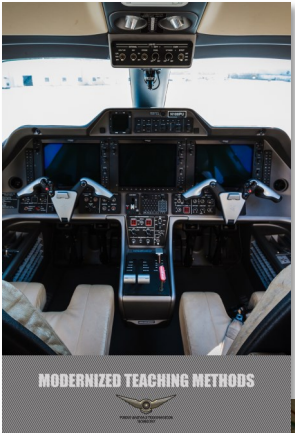
- The economy has changed.*
- How students learn has changed.*
- What students know has changed.*
- The needs of companies have changed.*
- The expectations of society have changed.*
- What students aspire to do has changed.*



THEORY-BASED APPLIED LEARNING



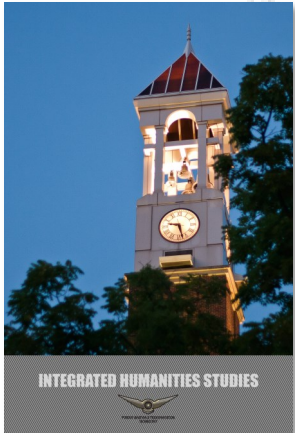
TEAM PROJECT-BASED LEARNING



MODERNIZED TEACHING METHODS



LEARNING IN CONTEXT



INTEGRATED HUMANITIES STUDIES



COMPETENCY CREDENTIALING



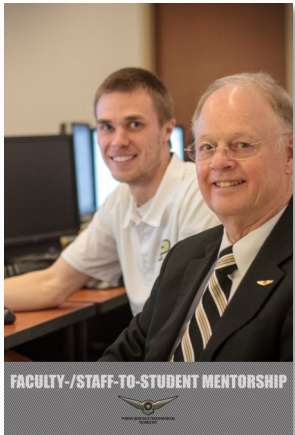
SENIOR CAPSTONE PROJECTS



INTERNSHIPS



GLOBAL/CULTURAL IMMERSIONS



FACULTY-/STAFF-TO-STUDENT MENTORSHIP

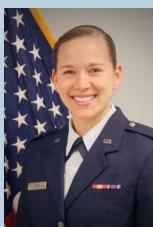
Welcome new faculty & staff members!



Austin Armstrong
CERTIFIED FLIGHT
INSTRUCTOR



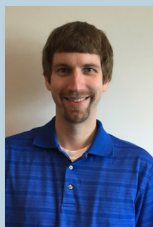
Bill Crabill
SIMULATION
OPERATIONS
MANAGER



Allison Fohr
RECRUITING,
PLACEMENT &
EVENTS ASSISTANT



Dr. Julius Keller
POST DOCTORAL
RESEARCHER



Dr. Brian Kozak
ASSISTANT
PROFESSOR



Andrew Running
SAFETY OFFICER/FULL-
TIME FLIGHT INSTRUCTOR



Michael Saricos
CHIEF DISPATCHER



Austin Decker

STUDENT SPOTLIGHT

Austin Decker | Unmanned Aerial Systems President, Aviation Ambassadors Director, Event Operations—Purdue Aviation Day

Before coming to Purdue, Austin graduated with Academic Honors from Cascade High School in Clayton, IN. Austin Decker is a sophomore in the School of Aviation & Transportation Technology studying Unmanned Aerial Systems. He is involved with both the American Association of Airport Executives and Aviation Ambassadors. Austin is currently serving as President of Purdue Aviation Ambassadors and the Event Operations Director for Purdue Aviation Day 2016. Austin's career aspirations are to become a pilot in the corporate aviation industry.



Austin welcomed the crowd during Purdue Aviation Day

Why I chose Purdue:

Purdue is where I feel "at home"

To be a part of one of the most successful aviation programs in the world

To have industry ties and Purdue reputation

STUDENT SPOTLIGHT

2016 Able Flight class set scholarship record

Eight people with disabilities can become certified pilots in 2016 thanks to Able Flight.

Celebrating its 10th anniversary, Able Flight's eight scholarships sets a record, according to officials with the non-profit organization.

The recipients of the 2016 flight training scholarships come from across the country and face challenges from a variety of physical disabilities.

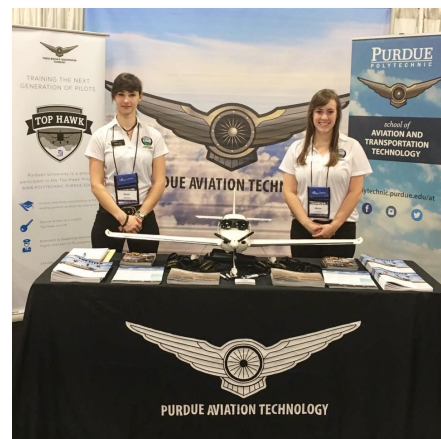
This year's class will train at Able Flight's program at Purdue University. It includes seven people who use wheelchairs due to the effects of injuries and a young woman who is deaf.



Purdue chapter of Women in Aviation attends the WAI Conference in Nashville, TN

Sixteen students attended the Women in Aviation Conference in Nashville, TN to make industry connections and promote the School of Aviation & Transportation Technology. The students attended seminars and networking events related to enhancing their chapter and developing their career in aviation.

The Purdue Chapter of Women in Aviation has set a date for a **GIRLS IN AVIATION DAY** at the Purdue University Airport on Saturday, September 24, 2016! For more information, contact aviation@purdue.edu



Women in Aviation Conference
Nashville, TN, March 2016

Students propel Marion to best Indiana airport

JANUARY 22, 2016

Two Purdue professional flight majors are being praised for their roles in helping Marion Municipal Airport become 2015 Indiana Airport of the Year.

Paul McGuire and Macy Cupp were instrumental in creating the airport’s application while they also performed other duties at the airport last year.

Read about their experiences and the impact they had on the AOPA web site. AOPA is the largest general aviation association in the world.



Paul McGuire and Macy Cupp teach a ground school class at Marion Municipal Airport



Aviation Learning Community honored for real-world experiences



Aviation Learning Community instructors with awards

The instructors of the Aviation Learning Community at Purdue University were honored recently with the Real-World Experience Award for the aviation-related activities they completed with their students.

The Real-World Experience Award recognizes learning community instructors who plan events that offer an introduction to a variety of opportunities within their academic fields. On campus, the Aviation Learning Community engages with Purdue

and regional organizations focused on aviation and aerospace. The instructors also include social and fun activities that introduce the first-year students to campus resources. The field trips, especially, helped show students the aviation industry from many perspectives. The learning community visited Grissom Air Reserve Base and toured its museum and flight operations as well as the Alcoa and GE Aviation facilities in Lafayette. The students were also able to interact with professionals in the field during luncheons with air traffic controllers, airline pilots, airport operators and the Purdue University Airport fire department.

Even though the Learning Community experience is over for this academic year, “many of the students continue to have group activities, and they all look forward to their next few years at Purdue,” said Stewart Schreckengast, limited term lecturer and one of the instructors. The other learning community instructors are Todd Brewer, aircraft maintenance technician, and Brian Stirm, air operations technical specialist. We look at our database of all submitted Learning Community events and look at the different connections students are able to make,” said Justin Hamman, assistant director of Purdue Learning Communities. “We believe that the consistent programming of high quality events for the Aviation Learning Community was deserving of this award.”



OUTSTANDING STUDENT EMPLOYEE AWARD:

Joshua Shipman

Congratulations to Joshua Shipman for receiving the Outstanding Student Employee award for the 2015-2016 academic year. Students are the face of our school and we are proud to employ them in our operation in order to give them real-world experience to better prepare them for their careers in aviation.



Anthony Gregory

BS '05, Aviation Technology

MBA '07, West Virginia University

MA '07, Economics, West Virginia University

Senior Director, Ground Operations, Southwest Airlines

Resides in Dallas, Texas

ALUMNI SPOTLIGHT

Anthony Gregory | Senior Director, Ground Operations, Southwest Airlines

When Anthony Gregory graduated in 2005, he was confident that his Purdue degree had prepared him well to enter the airline industry. What this Professional Flight Technology major didn't prepare for, however, was the variety of roles he would serve in at the nation's largest carrier, Southwest Airlines.

Gregory currently serves as Senior Director of Ground Operations, helping to lead a team of 17,000 Southwest employees in pursuit of delivering safe, friendly, reliable, low-cost air travel to nearly 120 million annual customers. Prior to his current role, he served as Director of Financial Planning & Analysis where he guided the airline's plans to increase revenues and profitability. Before that, he designed Southwest's route network, launched new markets, and optimized the carrier's flight schedule as a Manager in Network Planning & Scheduling.

"My Purdue education and, specifically, my training at the School of Aviation & Transportation Technology have enabled me to be ready for the next move at each juncture of my career. Purdue is known in my industry for developing highly skilled, capable aviation professionals; the best of the best. I'm proud of SATT's accomplishments and look forward to supporting its continued advancement."

Anthony graduated from SATT in 2005 with a B.S. in Aviation Technology. He received his MBA and Masters in Economics from West Virginia University in 2007. Anthony and his wife, Megan, reside in Dallas, Texas with two children and a slightly overweight golden retriever.

ALUMNI SPOTLIGHT

INDUSTRY ADVISORY BOARD 2015-2016

*Thank you to our **2015-2016 Industry Advisory Board!** The IAB met on Friday, February 5, 2016 and will continue discussions throughout the year on ways to promote, enhance and improve the School of Aviation & Transportation Technology. The next meeting is set for early February 2017! See you then!*



AVIATION STUDENTS ARE GOING GLOBAL



Justin Morrisette, Senior
Aeronautical Engineering Technology

"Traveling over the pond to Europe for the very first time was one of the greatest experiences in my life. Getting to see places such as Big Ben, Stonehenge, and the Eiffel tower in person, has left me still trying to process the fact that I was there! Along with the shock of seeing some major sites of the world, I got to experience aviation from a different perspective. Attending the British Air Museum in Duxford, England allowed me to see the past, present, and future of the European aviation industry. My favorite part of the Duxford British Air museum was seeing old airplanes, such as the Spitfire XVI, being maintained and restored. With me being in Aeronautical Engineering Technology (AET), I enjoyed seeing what it takes to bring back to life and maintain an old warbird. Traveling abroad and experiencing aviation in a different country has expanded my knowledge of aviation and motivates me to play my part in moving the aviation industry forward."

—Justin

"The Aviation Tour of Europe Trip has been one of the best highlights of my time here at Purdue. Getting the opportunity to explore three different countries on a spring break study abroad trip was a great globalization opportunity with the School of Aviation and Transportation Technology. In just the short ten days, we got to explore England, France and the Netherlands and see a few global monuments such as Big Ben and the Eiffel Tower. Experiencing aviation through a new lens has helped me to understand how aviation connects us globally in ways we never thought possible. This was a diverse trip from learning about history getting to go to the Normandy American Cemetery and Aviation History Museum in England to having unexplainable amounts of fun being at the very top of the Eiffel Tower at night overlooking Paris. I am grateful to have had the opportunity to take this trip with so many of my friends, peers, and professors exploring different cities and cultures and I can't wait to go back."

—Emily

Emily Linenkugel, Sophomore
Aviation Management



RESEARCH

PEGASAS

PARTNERSHIP TO ENHANCE GENERAL AVIATION SAFETY, ACCESSIBILITY AND SUSTAINABILITY (PEGASAS) CENTER OF EXCELLENCE FELLOWS PROGRAM TO START SUMMER 2016

www.pegasas.aero Info@pegasas.aero

PEGASAS, the Federal Aviation Administration's (FAA) Center of Excellence for General Aviation, is pleased to announce that the Center of Excellence (COE) Fellows Program is scheduled to begin with its first class of PEGASAS participants the summer of 2016. Students, staff and faculty from PEGASAS universities will work with FAA researchers to further advance aircraft and airport safety and other technical areas related to General Aviation. The following students were selected to participate in the COE Fellows Program.

From the COE Fellows Program, the PEGASAS team expects that faculty, staff and students from PEGASAS universities will have a better understanding of the potential FAA career paths and technical strengths of various FAA technical facilities. We further expect that the aviation community and the broader general public will have a better understanding of the types of research the FAA is undertaking and will benefit from the results provided by various research projects. Please contact us if you would like more information on the COE Fellows Program.

Student	University
Indira Chambers	Florida Institute of Technology
Hao Guo	Iowa State University
Adam Hruszczyk	Florida Institute of Technology
Oskar Kane	Purdue University
Atish Nadkarni	Texas A&M University
Audrey Reinert	Purdue University
Matthew Rhoney	Florida Institute of Technology
Ikkyun Song	Iowa State University
James Sprague	Purdue University

TOP HAWK PROGRAM

Purdue receives brand new Cessna 172 for #TopHawkU



Textron Aviation has generously donated a brand new Cessna 172 to the Purdue School of Aviation & Transportation Technology (SATT) as part of their Top Hawk University initiative.

Textron is the parent company of Cessna, a world-renown aircraft manufacturer that, for the last 60 years, has produced the most sold aircraft in aviation history: The Cessna 172. This four-seater high-wing plane has since become a staple of general aviation and is the reason many pilots become interested in aviation.

In 2015, Textron and Cessna began the Top Hawk University initiative. They selected four schools and gifted each one a 172 to be used to “promote university aviation programs, utilize for university flight training, showcase internship opportunities for flight instructors, and support discovery flights and learn to fly programs.”

This year, Purdue University was selected alongside Westminster College, Kent State University, and LeTourneau University to receive and utilize a Top Hawk Cessna for the remainder of the year.

Purdue’s SATT was eager to begin utilizing the new aircraft to its highest potential. The program selected twelve student ambassadors from every discipline within the school. These students have been entrusted with the total operation and management of the aircraft.

The Cessna 172 is fully furnished with a Garmin G1000 avionics package including an angle of attack indicator (AOAI) and autopilot. “I really like the [Safe Flight] Angle of Attack Indicator in the plane,” said Rob Kiszka, a Sophomore in Professional Flight Technology, “It’s a new technology that we haven’t been exposed to yet and it gives us an added safety feature while in flight.” The students were also given two Bose A20 headsets, an Apple iPad Air with Garmin GDL 39 ADS-B antenna, and a Garmin VIRB camera to use while flying the plane.

The Purdue Top Hawk Ambassadors are especially looking forward to sharing what they do like never before. “The Top Hawk program gives us the opportunity to actively go out and engage with members of the community, prospective students, industry partners, and more,” said Austin Decker, a Sophomore in Unmanned Aerial Systems. “It is a great chance for us to really play an active role in how our school is portrayed.” “And, we get to go to places that are further away to recruit,” added Kiszka, “places that we normally wouldn’t be able to go.”

If you’re interested in following along, the students have set up an Instagram account (@tophawkpurdue) for the public to follow their adventures and to better get to know their team.

The Top Hawk Ambassadors are always looking for new places to visit. If you would like to suggest your home airport, please email aviation@purdue.edu with your suggestion.



2016 TOP HAWK AMBASSADORS

Chris Konecnik – Junior – Professional Flight Technology
Max Enis – Freshman – Professional Flight Technology
Juliana Baluh – Sophomore – Aeronautical Engineering Technology
Thomas Marcet – Freshman – Aviation Management
Ben Bushnell – Sophomore – Professional Flight Technology
Jack Smith – Sophomore – Professional Flight Technology
Sheng Liu – Junior – Aeronautical Engineering Technology
Cathy Troyer – Sophomore – Professional Flight Technology
Austin Decker – Sophomore – Unmanned Aerial Systems
Rob Kiszka – Sophomore – Professional Flight Technology
Justin Beam – Junior – Professional Flight Technology
Mary McCarty – Sophomore – Professional Flight Technology
Samantha Scribner – Junior – Professional Flight Technology
Colin Gifford – Freshman – Professional Flight Technology



STUDENT ORG SPOTLIGHT

GALA:

GLOBAL AVIATION LEADERSHIP ASSOCIATION

GALA is an all-inclusive professional and social student organization within the SATT. Their mission is to foster interactions between international and domestic students within the School. Additionally, we publicize career opportunities and increase members' knowledge of various aspects of the aviation industry. Furthermore, GALA acts as a liaison between students and the aviation industry.

GALA's leadership team consists of students from four different nations: America, China, Singapore, and India.

They are:

President: Yu Wang

Vice President: Justin Morrisette

Secretary: Sheng Liu

Treasurer: Joelle Chia

Public Relations Manager: Keryse Deng

Outreach Coordinator: Saad Asim

We are enthusiastic to have you participate in our organization! If you would like to join us, please contact our Secretary Sheng by email:

liu1033@purdue.edu



2015-2016

AVIATION AMBASSADORS

Thank you to our *outstanding* Aviation Ambassadors for your continuous support of the School of Aviation & Transportation Technology. Ambassadors are the face of the school and deserve credit for their hard work and passion of aviation and Purdue. Great job!

2015-2016 Lead Ambassadors

- Austin Decker, Unmanned Aerial Systems, *President 2015-2016*
- Rob Kiszka, Professional Flight, *Vice President 2015-2016*

2015-2016 Ambassadors

- Juliana Baluh, Aeronautical Engineering Technology
- Justin Beam, Professional Flight
- Adriana Bendeck, Professional Flight
- Paul Brown, Aviation Management
- Ben Bushnell, Professional Flight
- Connor Duchen, Professional Flight
- Gabby Green, Aviation Management
- Abbie Ijams, Professional Flight
- Kyle Jackson, Aeronautical Engineering Technology
- Rob Kiszka, Professional Flight
- Chris Konecnik, Professional Flight
- Megan Ley, Aviation Management
- Nicholas Liberman, Professional Flight
- Grace Lin, Aviation Management
- Jeremy Lu, Professional Flight
- Mike Mueller, Aviation Management
- Matthew Padrick, Professional Flight
- Tony Petraglia, Professional Flight
- Chad Rachubinski, Aviation Management
- Megan Shaffer, Aeronautical Engineering Technology
- Emily Southworth, Aviation Management
- Eric Simon, Professional Flight
- Jack Smith, Professional Flight
- Josh Stanton-Savitz, Professional Flight
- Mike Thanos, Professional Flight
- Nathan Tilley, Professional Flight
- Molly VanScoy, Aviation Management
- Logan Voss, Professional Flight

Staff Advisors

- Casey Hendrickson, Recruiting, Placement & Events Coordinator
- Allison Fohr, Recruiting, Placement & Events Assistant

PROSPECTIVE STUDENTS

ABOUT THE SCHOOL

The School of Aviation and Transportation Technology is widely recognized as a leader in aviation education. As a student, you will learn from faculty with rich industry experience and ongoing research that will improve the future of aviation.

From aerospace data analytics to NextGen aviation research, the focus areas of the school produce outstanding graduates with a unique set of knowledge and skills that differentiates them as leaders in the aviation and aerospace industry. A part of the school's success is its top-of-the-line fleet that includes more than 30 aircraft and several Flight Training Devices.

7 undergraduate degrees are offered:



**PURDUE AVIATION & TRANSPORTATION
TECHNOLOGY**

1. AERONAUTICAL ENGINEERING TECHNOLOGY

Airplanes are complex mechanical marvels, designed and constructed by individuals from many different disciplines. A degree in aeronautical engineering technology will provide you with the skills and knowledge to create and maintain these machines as well as improve the quality of life for those who depend on and use them. Over the course of the program you will learn how to design, manufacture, maintain, operate and support all varieties of aerospace vehicles.

- ABET Accredited
- A&P Certification preparation

2. AEROSPACE FINANCIAL ANALYSIS *(New)*

The business side of the aviation industry is wide ranging. From aircraft leases to fuel options to route efficiency, you will gain the expertise necessary to bridge the knowledge gap between airline operations professionals and their financial counterparts. Industry leaders are asking for more experts in aviation and aerospace finance as their contracts become more complex, their leases more numerous, and their capacity more constrained. This is one of only a few programs in the country focused on this topic.

3. AIRLINE MANAGEMENT & OPERATIONS *(New)*

Managing an airline includes scheduling, planning networks, aircraft maintenance, staffing, customer service and more. You will gain the expertise necessary to navigate these aspects of managing an airline. Your courses will provide insights into how the world's airlines make daily business decisions.

4. AIRPORT MANAGEMENT & OPERATIONS *(New)*

Managing an airport includes security, customer service, knowledge of federal regulations, baggage handling, staffing and more. You will gain the expertise necessary to master the many aspects of operating an airport. Your courses will provide the foundation for making long-range business decisions and reacting to immediate needs.

5. AVIATION MANAGEMENT

While thousands of airplanes navigate the world's skies on a daily basis, operations on the ground – at airports, airlines, air traffic control facilities, and more – help ensure passenger safety, efficient logistics and healthy business practices. For these roles, the industry requires knowledgeable individuals with excellent critical thinking skills. Your courses will help you gain the knowledge and skills to be an important asset within the complex aviation industry.

6. PROFESSIONAL FLIGHT TECHNOLOGY

A bachelor's degree in professional flight technology provides a larger perspective of the aviation industry. Your classes will range from how an airplane is built to decision-making in the airline industry. Later, you may have opportunities to gain valuable experience flying Purdue administrators on official University business.

- AABI Accredited
- Part 141 Flight Program
- Qualifies for R-ATP (1000 vs. 1500 hours)
- University-owned fleet
- Additional fees apply
- Flight times are scheduled like classes

7. UNMANNED AERIAL SYSTEMS *(New)*

Drones, or unmanned aircraft, are rapidly becoming a part of everyday life. Companies who adopt this technology will need experts to help them navigate flight paths as well as rules and regulations. In fact, the Association for Unmanned Vehicle Systems International believes 70,000 new jobs will be created in the three years after unmanned aircraft are integrated into the U.S. airspace system. You will learn about the different aircraft, how they are built and how they work. You will explore how they fit into the larger aviation system, including safety policies and regulations.

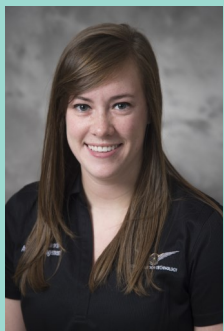
HISTORY TIDBITS

- 1911—1st Purdue Aviation Day
- 1930—Airport consists of a windsock and emergency landing strip
- 1934—Purdue Airport opens
- 1935—Amelia Earhart joins faculty
- 1937—Amelia Earhart disappears in her Purdue-owned Lockheed Electra
- 1960s—Purdue Airlines in existence

GRADUATE DEGREES

- Combined B.S./M.S. that can be completed more quickly than both degrees separately
- M.S. in Aviation and Aerospace Management
- Ph.D. in Technology with a focus in aviation

SATT STUDENT PERSPECTIVE



Emily Southworth

SOPHOMORE, AVIATION MANAGEMENT

Hometown: Crown Point, Indiana

Emily Southworth is a sophomore in the School of Aviation & Transportation Technology majoring in Aviation Management. Emily joined the department her second semester of her freshman year, after transferring from General Education. Involved in multiple organizations, Emily dedicates a great portion of her time to this program, from being a member of the American Association of Airport Executives, Women in Aviation International, Volunteer Coordinator for Purdue Aviation Day, as well as a lead Ambassador for the School of Aviation & Transportation Technology.

Why I chose Purdue:

1. The atmosphere and people here on campus made this place feel like home to me.
2. The professors make it clear they are here to help you and want you to succeed. They are all extremely invested in every single student and it shows through their teachings.
3. Regardless of the degree, the programs available here are top of the line, so you'll come out with a fantastic education.



Emily served on the Executive Board for Purdue Aviation Day 2016 as Volunteer Coordinator

"I love being so involved in the program. I am extremely passionate about aviation as a whole and Purdue University provides me with a dream experience within the industry. As an ambassador, I have traveled across the country representing Purdue Aviation, and I can't wait to continue the adventures!"

Boiler up!

PROGRAM HIGHLIGHTS

- ABET accredited Aeronautical Engineering Technology Program
- AABI accredited Management and Flight Programs
- Earn private and commercial pilot certificates and an instrument rating within Professional Flight Technology major
- Work toward certification to become a flight instructor after your sophomore year
- Gain experience flying a jet as part of the Turbine Flight Operations
- Qualify for certification as an unmanned aerial vehicle (UAV) operator
- Utilize real-time data collected at Purdue University Airport for projects
- Explore additional options with coursework that can lead to the Certified Member Examination of the American Association of Airport Executives
- Learn in small, close-knit classes that feature individualized attention
- Work in industry-standard labs to gain hands-on experience
- Take advantage of firsthand knowledge from professors who have worked in the industry
- Explore other aspects of the aviation industry as you learn alongside students with majors in other aviation disciplines
- Enjoy high demand for your talents
- Engage with industry on a regular basis and be considered for internships and other placement opportunities
- Gain experience through data collection on research projects
- Strengthen teamwork skills as you work with students and professors from a variety of majors
- Globalization experience required for graduation

FIND OUT MORE



/PurdueUniversityAviationTechnology



@purdueaviation



Purdue Aviation

Online: polytechnic.purdue.edu/AT

Email: atinfo@purdue.edu

Phone: (765) 494-5782



THE FLYER

Spring 2016

A newsletter for students, alumni/alumnae & friends of the School of Aviation & Transportation Technology

Congratulations, Grads!

Graduates! Don't forget to let us know your plans. Fill out the CCO's "First Destination Survey"



GET SOCIAL!

Use #purdueaviation to announce your acceptance to the School of Aviation and Transportation Technology!

@purdueaviation

/PurdueUniversityAviationTechnology



School of Aviation & Transportation Technology

Purdue University
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West Lafayette, IN 47907-2015