Outstanding Senior Award

Every semester one senior from each College of Engineering department is selected as an Outstanding Senior. For the fall 2020 semester, Bruce Ciccotosto was selected as the Outstanding Senior for Aerospace Engineering.

Bruce will receive a B.S. in aerospace engineering and is graduating with honors. During his time at Iowa State he has been highly involved in research projects in the area of computational fluid dynamics (CFD) which included studying air flow dynamics to amplify air flow rates for use in cooling and designing the air intake of a car engine to boost performance using various scientific principles.

His interest in CFD helped him land an internship with NASA at the Glenn Research Center, where he worked in fluid and cryogenic systems. He also enjoyed a co-op research experience in simulation engineering with Emerson Automation Solutions where tasks included evaluation of a wide range of control valves with CFD techniques to advise new product design engineers, meet customer simulation orders, and analyze and improve upon legacy products.

Technical projects Ciccotosto was involved with on the ISU campus included serving as an aerodynamics and design engineer with the Formula SAE competition vehicle with Cyclone Racing. He studied and modified wings and other components of the vehicle which resulted in reduced lap times in competition and worked to improve engine cooling.

He also served as a lead investigator with Engineering Education Research at Iowa State, where among other tasks he designed and conducted a study on student retention in aerospace engineering by collecting quantitative and qualitative data, conducted a thorough literature review and identifying a gap in understanding the “whys” of student attrition. He also developed a questionnaire dealing with students’ motivations to enter and leave their major and the prediction of attrition.

Bruce was a recipient of the Aerospace Engineering Excellence Fund (annually awarded to exceptional aerospace engineering students); the Program of Study Award (awarded annually to excelling upperclassman within the ISU College of Engineering); and the Laverne Noyes Scholarship (awarded annually to direct blood descendants of WWI veterans).

Academic Excellence Award

This award is given by vote of the faculty to those students in the department who have shown high academic achievement.

Samuel Andrys  Michael Keenan
Department of Aerospace Engineering Senior Awards

Overall Achievement Award
The Overall Achievement Award is given by vote of the faculty to those students who have an overall combination of high academic achievement, high professional achievement and high engagement with the department and the community.

Bruce Ciccotosto  Jacob Fried  Benjamin Hertz  Carter Sawin

Congratulations to these senior award recipients!
Bachelor’s degrees conferred in Aerospace Engineering

Samuel George Andrys  
Summa Cum Laude

Jacob Matthew Babcock  
Cum Laude

Nathan Joseph Briggs  
Magna Cum Laude

Connor John Carlson

Samuel Garrett Cavanaugh

Bruce Edward Ciccotosto  
Magna Cum Laude

Benjamin David Connor  
Cum Laude

Paola N. Dacosta-Rosario

Christopher J. Dardano  
Magna Cum Laude

Nathaniel Robert Doyle  
Cum Laude

Devon J. Eberl  
Cum Laude

Benjamin Nathan Faughn

Austin Gene Freund  
Magna Cum Laude

Jacob Paul Fried  
Magna Cum Laude

Joshua Tyler Gilmore

Steven Jay Goepel

Timothy Kyle Tan Gomendoza

Adam Owen Goodman  
Magna Cum Laude

Luke John Gordon

Natalia Gorlicka  
Cum Laude

Joseph K. Grasso

Collin M. Harris

Liam Raymond Heath

Benjamin Joel Hertz  
Cum Laude

Robert John Holmgren

Matthew Daniel Hovda  
Magna Cum Laude

Coyle Joe Hruska

Blake Daniel Julius  
Cum Laude

Michael Bradley Keenan  
Summa Cum Laude

Nicholas Ralph Kilzer

Ryan G. Kirmeyer

James Gilroy Larson  
Magna Cum Laude

Daniel James Lee

Peter J. Lockwood  
Cum Laude

Colton Joel Marshall

Samuel Leroy Mason  
Cum Laude

Nathan James Masters

Meaghan Leigh McCleary

Alexander James McEnery

Austin Matthew Mendoza

Bryce David Miles

Burke Riley Newman  
Cum Laude

John Francis Nownes IV  
Magna Cum Laude

Carlos C. Pierskalla

Jaya Ugiprashaant Ravindren

Jacob Myron Raymer

Casey Alan Rix

Megan Carroll Runyan

Muntazir Billah Saifee

Jacob D. Sammons  
Cum Laude

Carter James Sawin  
Magna Cum Laude

Andrew Edward Scherping

Jaimin C. Shah

Andrew Charles Townsend

Trevor Jerome Trousdale

Ankit Vats

Nathan Adam Vaughn

Charles Robert Vavrick

Wyatt J. Wade

Ross Eliab Wagener

Alexander M. Wyatt