

Iosco RESA Tech Center

Fall 2021



The Iosco Regional Educational Service Agency would like to congratulate our very own Kelly Frank, Teacher Prep Academy Instructor, on being selected for the Gerstacker Fellowship through Saginaw Valley State University. This fellowship consists of 14 teachers, principals, and program administrators from across Michigan.

The participants will receive concentrated leadership training over a one-year period. SVSU announced that the experience will include an international trip to the Netherlands and Germany in June. The Gerstacker Fellows meet monthly. Experts instruct the fellows on subjects such as leadership, communication, cognitive coaching, finance and education with a global perspective. The international trips are a vital component to the fellowship. The fellows visit educational institutions to learn about international educational systems and their corporate settings.

The IRESA Tech Center is proud to have Kelly as a member of our team. Congratulations, Kelly and keep up the good work!



The IRESA Tech Center would also like to congratulate Jack Flory, Building Trades Instructor on his program recognition in the Michigan CTE Newsletter. This newsletter highlights CTE programs from around the state on their program successes. The program write up is mentioned below:

Building Trades Program Taking Off in Iosco County

“The Iosco RESA Tech Center started a Building Trades program in 2017. They have a large, multi-acre field behind the tech center. The site plan has lots parceled out to have housing projects for about 35 years. Students worked hard over the last couple of years to finish their first house. House #1 sold in October. They broke ground on their second house in August and plan to break ground on house #3 this spring. The plan is to finish one house every two years so that both first and second year students have a hand in each part of building a house from the foundation to the roof top! Jack Flory is the instructor. He is a certified contractor and owns his own company.”



Power Mechanics

Instructor: Paul Billeter

The Power Mechanics students have been busier than ever learning the two and four stroke engine processes. The students work on the fundamentals of servicing, troubleshooting, and repairing small engines. The theory of two and four stroke engines are studied in the classroom and then applied in the lab area. Students change oil, drain the gas lines, and clean or replace spark plugs as routine service. Sometimes students have to go a little further in diagnosing why an engine will not run or why it might be running a little erratic. They learn to troubleshoot these issues and repair the necessary parts that the engine may need.

The Power Mechanics students have also completed two industry recognized safety programs. All students have earned the Welding Safety certificate from SP2.org and the WD 40 certificate. These are online programs that students use to help ensure they are safe when using the welding equipment in the shop.

Students have fabricated two projects so far. They have plasma cut their names into a piece of metal and created a name plate stand using the metal brake to hold their name plate. Students have also fabricated a three part project making their metal flowers, vases, and bases. This project introduces them to the welding machine and brings out their inner creativity.

We would also like to take this opportunity to announce that the annual Mudslinger Tractor Races will be held this spring on Thursday, May 12, at the Tech Center. Hopefully the weather will cooperate and the students will be able to race all day!



(above) Hunter Trombley (T) works hard every day working in the shop. Hunter also did a terrific job on his leadership project. He made a presentation to the Power Mechanics Advisory Board about his experiences that he has had while attending the Tech Center. Great job,



(above) Austin Marr (WP) and Jonathan Barnes (O). One of the best parts about coming to the Tech Center is the lasting friendships students make. These two boys work hard in the shop and always have good attitudes. Keep up the good work boys!



(above) Rain or shine seniors Jakub Burr (WP) and Mike Koepke (H) brave the elements to work on all types of machinery. Both of these students are role models when it comes to having a strong work ethic. They don't know the meaning of quit! Well done, guys!

(below) Hailee Rose (T) has taken on a leadership role in the class by working hard on her projects and making a presentation to both the Auto and Power Mechanics students during Manufacturing Day. Thanks for all of your hard work, Hailee!



(right) The Power Mechanics students have created another display in the lobby of the Tech Center for all to see. Pictured here are the metal flowers created from scrap metal. Each student put their own creativity to work fabricating their flowers, and they turned out beautiful!



Health Science

Instructor: Debbie Thoryk

The Health Science first year students have been extremely busy completing their training and certifications in CPR/First Aid/AED, Shock and Resuscitation, Trauma, Emergency Medicine, Bloodborne Pathogens, OSHA, Confidentiality, Legal and Ethical Responsibilities, Healthcare Careers, Healthcare Systems, Body Mechanics, Professionalism, Communications, Safety Precautions, Airway, Patient Assessment, and Client Status.

While earning these certifications and participating in trainings, students have gotten lots of hands on practice with skills. Students learned to place each other on a spine board, KED board and c-collar. Students learned how to practice bandaging and supporting injuries such as breaks, bleeds and punctures.

The 2nd year students have been completing medical terminology, trainings and certifications and hands-on skills. They dissected a deer heart and a set of lungs which went hand in hand with our cardiovascular and respiratory units.

We have been fortunate enough to have two class speakers thus far; Annemarie Righetti who spoke to the class about Pathology

Assistant and Physicians Assistant careers and Tyler Sabuda, DNR (left).

We have had three Versiti Blood drives this year; July, September and November and together we collected a total of 117 pints of blood!



(left) left to right; Mikayla Dougherty (H), Makayla Ward (T), Madelyn Anschuetz (T) and Payge Zilinsky (WP) dissecting deer hearts.

(right) left to right; Savannah Lueckeman-Tollisen (O), Leilah Kard (O), Miranda Evans (O) and Breanna Foster (WP) practicing bandaging and splinting.



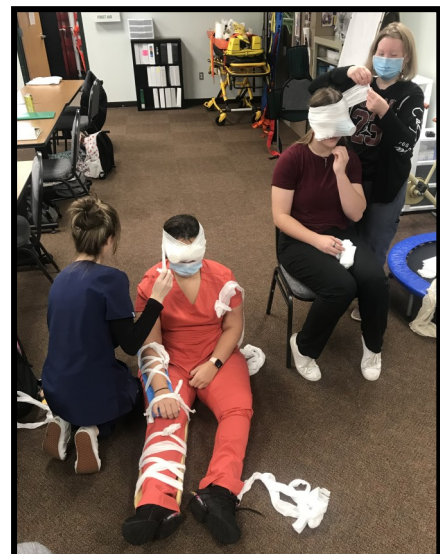
Morning class, first year students.



Morning class, second year students.



Afternoon class, first and second year students.



Health Science

Instructor: Debbie Thoryk

The Certified Nursing Assistant Program started in September and ended in November of this year. We had 13 students complete the program. CNAs help patients with activities of daily living and other healthcare needs under the supervision of a Registered Nurse or Licensed Practical Nurse. The CNA program consists of 75 classroom hours and 24 clinical hours. The CNA program is instructed by Tami Griggs, RN and Jennifer Quarters, LPN. Thank you to *Lakeview Manor* for allowing our students to attend their CNA Clinicals at your facility.

We had 10 CNA students from last year's program pass their state boards and are now certified; Kiley Skacal (Alumni, WP), Samantha Danna (Alumni, O), Taylor Leet (Alumni, T), Megan Marr (Alumni, WP), Danielle Velasco (Alumni, T), Anna Young (Alumni, T), Kaleigh Theaker (T) Kevin Billeter (WP), Trish Nichols (WP) and Karagan Lanning (WP). This year's students are awaiting a testing date.



(left) CNA Instructor, Tami Griggs, poses with CNA students during clinicals; showing the personal protective equipment that must be worn.

(below, right) left to right; CNA Instructor, Tami Griggs, Hannah Riffel (T), Lacey Boden (T), Leilah Kard (O), Trissity Kretchman (O), Kylie Gray (O), and Savannah Lueckeman-Tollisen during their shift at Lakeview Manor.



(above) Alivia Howe (T) pushing Thomas Cronin (WP) in a wheelchair to show the class how she applied Thomas's curlers.

(below) left to right; Thomas Cronin (WP), Jesse Bateson (WP), Kabela Hewitt (T), Makayla Bowman (WP), Ashley Nelkie (AEA), Alivia Howe (T), Makayla Ward (T) and CNA Instructor, Tami Griggs posing outside Lakeview Manor during clinicals in November.

(bottom right) CNA students pose while dressed in full personal protective equipment (PPE).



Teacher Prep Academy Instructor: Kelly Frank

Teacher Prep Academy Cadets have been busy and enjoying their duties within Host Classrooms. Cadets learn to work one on one, in small groups with students, and even plan lessons, centers, and games.



It's spelling time for Taylor Marine (T) and her students in Ms. Hoogenstryd's 3rd grade class.



Dalton Jaremba (H) works with his 1st grade readers in Mrs. Blomquist's room.



Aly Burger (O) poses with Host Teacher Mrs. Alda.



Cadets traveled to Saginaw Valley State University for a Teacher Cadet Conference where they attended three break-out sessions of their choice such as Teaching Certifications, Diversity in Education, College Life, and Brain Research. Some Cadets chose to compete in a Children's Literature Read-Aloud Competition; our own Ms. Katelyn Papenfus took first place!

(above left photo) Read-Aloud Competitors: Katelyn Papenfus (T), Mrs. Kelly Frank, Ben Calleja (T), Dylan Edmonds (T), Erin Gerber (T), Jilly Collins (T).

(above right photo) All of the Cadets enjoyed a campus tour at SVSU.

As part of the State of Michigan's 60 by 30 Program (60 percent of adult aged people will have degrees or credentials by 2030) Teacher Prep Academy offers two Credentials - the CDA and MiYDA. The CDA is an Early Childhood Credential and the MiYDA is an After School Program Credential. Both offer future higher pay and a wider variety of employment opportunities for Cadets and graduates. Pictured right, is Madison Williams (T) who is currently working on her CDA in Ms. Rizzarda's Bright Beginnings Preschool Program.



Teacher Prep Academy

Instructor: Kelly Frank

Welcome Whittemore-Prescott!

This fall was the first to have Teacher Prep Academy Cadets learning in Whittemore-Prescott. We are thrilled to have Ms. Hanna Daniels and Ms. Morgan Hawks on board. They have been excellent examples of what Cadets can be. Whittemore-Prescott teachers and staff have been incredibly supportive of this program!



(above) Morgan Hawks (WP) and Hanna Daniels (WP) pose with a Halloween door they created together to display at the High School.

(below) Host Teacher Mrs. Plank allowed her Cadets, Dylan Edmonds (T) & Jilly Collins (T) to transform her 1st grade classroom into a football stadium. All three dressed for the occasion!



The Teacher Prep Academy Cadets participated in a Professional Development day in November. The Michigan Department of Education held a zoom to help the Cadets get signed up in MiRegistry. The students participated in liberating structures throughout the day. Ms. Amy Kennedy, County-Wide Reading Coach trained the Cadets in Literacy Groups. The day was a success and the Cadets enjoyed every minute of it.



Hanna Daniels (W) runs a reading group in Mrs. Sales' Host Classroom.



(above) Cadets gather for Professional Development Day.

(right) Ms. Amy Kennedy training the Cadets in Literacy Groups.



(right) Mr. Benny was "cooking up some learning" in Ms. Rau's 3rd grade classroom Bakery transformation.



Teacher

(n) tee-cher: A multi-tasking educational rockstar who lives to inspire and loves to encourage. They're kind of a big deal.



Culinary Arts & Restaurant Management

Instructor: Kimberlie Foskett

The Culinary Arts and Restaurant Management students at the IRESA Tech Center would like to “Welcome” you all to the 2021-2022 school year. Students are eager and excited to be back in the classrooms and lab for hands-on learning. Culinary students have finished food safety, workplace safety and equipment safety trainings. Students are enjoying working in our new commercial kitchen lab!

We have been working on different cooking methods and techniques like baking and cake decorating as well as searing, sautéing and deep frying. Students have been practicing working on their knife skills and various knife cuts while also working on vegetable carvings with pumpkins as well as an introduction into fruit carvings for garnishing.



(top right) Sean Flowers (AEA) with his Lightning McQueen cake.



(right) Elizabeth Jennings (T), practicing knife skills on red bell peppers while Destinie Spade (T) learns.



(above) PM Class; (left side) Sean Flowers (AEA), David Gould (T), Elizabeth Jennings (T), (right side) Autumn Potter (T), Dawson Wood (T), Destinie Spade (T), and Phoenix Burlingame (T).



(bottom right) Isaac Sylvester (O) working on a gingerbread house. Jude Mader (T) giving his approval with a thumbs-up!



“People who love to eat are always the best people” - Julia Child



In October, the Culinary students hosted a pumpkin carving contest. Their carving submissions were sent to the CTE staff to vote on the most creative looking pumpkin. Elizabeth Jennings (T) won with the most votes with her “paw-friendly” pumpkin (left).

Culinary Arts & Restaurant Management

Instructor: Kimberlie Foskett

We are learning the importance of placement of colors, shapes and textures for plating techniques. Students are enjoying using these techniques being creative in their plating designs for entrées and desserts. We are learning to work in teams, reading and converting recipes along with the different sections to a recipe and why each section is important.

The Culinary students had their first experience doing a marketing and management presentation on our big project this year, designing and marketing our programs food truck. The food truck design is a project that the culinary students will be working with the automotive and small engines students to practice their skills. Northwood University's admissions representative Richard Moffit came out and spent some time working with the students on marketing techniques for the food truck.

Chef Kim states, "I am excited to see the progress of the design of the new food truck, but more excited to work with this talented group of students this year. I can't wait to share more photos and news of our upcoming events and creations."



(top right) Alex Morgan (WP) working on a Reuben sandwich and Monte Cristo.

(right) Maddi Allan (O) working on plating.

(left) AJ Short (H), Quinton Coleman (H) and Alex Morgan (WP) building a gingerbread house.



(left) Dawson Wood (T) plating bundled carrots.

(right) Glazed carrot bundles for plating.



Automotive Technology

Instructor: David Green

The Automotive Technology program has been extremely busy thus far this fall. The students have been introduced to career paths at Northwood University, University of Northwest Ohio, Marines, Universal Technical Institute and manufacturing career paths.

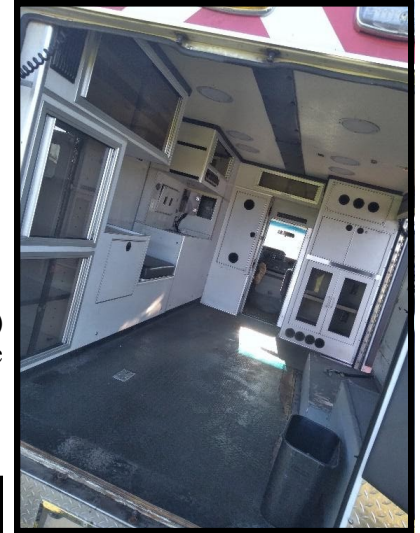
Manufacturing day for the Power Mechanics/Automotive students was held on November 10th in the Automotive shop. Students were shown career opportunities that are available to them in manufacturing with companies right in their backyard; Tawas Tool, Minth, Star Cutter, and Vantage Plastics. They also looked at careers in the road construction sector, as Michigan has the 4th largest road system in the USA. Student Leaders from both Power Mechanics and Automotive collaborated on the presentation, all students were provided a goodie bag of items from the Region 7B Michigan Works office in Tawas City.



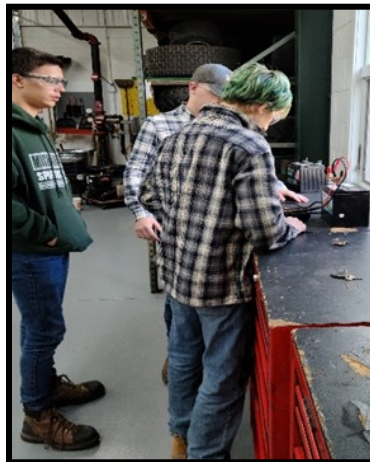
(above) Students interacting with Marine SGT Doby.

AUTOMOTIVE

The Automotive students are assisting the Culinary program in renovating an old ambulance (right) into a food truck. The students have been busy removing the interior of the ambulance.



(above) Tawas juniors, Bethany Sides and Hailee Rose have the attention of the students during their presentation for the morning classes.



(left) Nicholas Romzek (T) demonstrates battery testing to Tawas Power Mechanics students Malekai King (T) and Wyatt Stockton (T).



(above) Tawas junior, Bethany Sides demonstrates the proper way to use a multi-meter to Power Mechanics students.



Auto and Power Mechanics students participating in the Universal Technical Institute presentation held in the garage area.

Automotive Technology

Instructor: David Green

Currently this year, 12 Automotive Technology students have completed and passed one or more Automotive Service Excellence (ASE) certifications. When someone holds the ASE certification, they are considered an expert in the automotive industry. This means they are qualified to work on every mechanical, electrical component, and system in a vehicle. They have specialized training, commitment, and maintain their continuing education studies each year to maintain their certification.



(left) AM class of ASE Student Level Certified Technician's L-R: Zachary Koepke (H), Adam Busch (O), Michael Monroe (WP), Thomas Scott (WP), Bethany Sides (T) and Damon Burrows (O); proudly displaying their certificates.

(right) PM class of ASE Entry Level Certified Technicians L-R: Jacob Mulligan (AEA), Tawas students; Jack Lingo, Benjamin Lickfelt, Thomas Bruning, Daniel Jordan and Nicholas Romzek, proudly displaying their certificates.



(left) Thomas Bruning (T) showing Power Mechanics students Kaden Trafelet and Michael Shover of Tawas how to solder wires together.

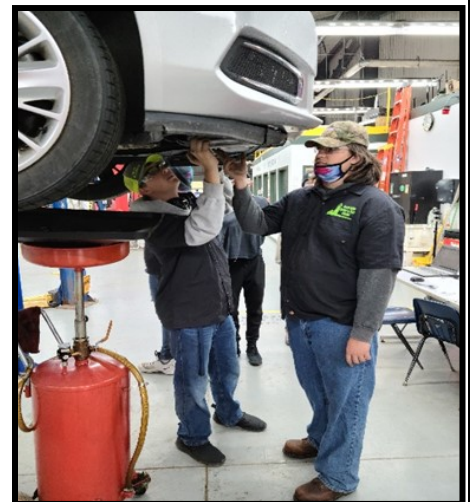


(above) Oscoda students; William Goff, Bryce Haskins, and Adam Busch and Hale student; Aaron Johnston working on the "66" Mustang restoration.



Michael Monroe (WP), Aaron Johnston (H), and Jerrick Johnson (H), work with Gavin Sivrais (O) on an engine.

(right) James Hall (WP) and Ashton Gleave (O) changing the oil on a vehicle.



Building Trades Instructor: Jack Flory

As we started a new school year, the Building Trades program sold the residential house project completed in June 2021 (right). Students past and present commented on how rewarding it is to see a family settling into their new home which they constructed and was a great way to kick-off the 2021-22 school year.



As we returned to normal classes for the first time in two years, the Building Trades students began by completing their OSHA, SP/2, and basic construction tools career specific safety trainings. Students also began a new dual enrollment program developed with Alpena Community College giving the construction trades students the opportunity to earn college credit by completing the requirements of the Introduction to Concrete course within the Concrete Technology

Program offered at ACC. The course focused on the numerous careers within the industry beyond pouring and block laying. It explored the importance of the various materials and ingredients required for different projects such as bridge building, precast concrete, road construction, and more. Guest speakers from quarries, block plants, MDOT, etc, shared with students first hand the lucrative careers within the industry and the high demand for qualified employees today.



Group of Building Trades students from all four districts pouring the concrete garage floor.

Outside the classroom construction trades students began the program's next housing project. Students engaged in print review, permit requirements, and building codes as we began the year. On site, students experienced how to establish a project's building lines, elevations and how to square and create ninety degree corners. Students assisted with the excavation, construction of the foundation system, and backfill of our new residential building. Students are currently

completing the layout and rough framing of the project including the flooring system, exterior and interior walls, and roof framing including truss installation and sheeting. The target for the balance of the school year is to complete the rough framing and dry-in of the project.

As winter approaches the trades students will participate in career exploration activities including portfolio development and career presentations by guest speakers from the IBEW (linesman and power station workers), Electricians union, Baker College, Northwood University, Greatlakes Boat Building School, Carpenters union, and Delta College's residential construction trades management program. Students will tour Alpena Community College's technology programs and the operators training center later this year.



(left) Tawas students; Alia Abbott and Devin Bellinger, cutting floor joists.

(right) Addyson Hesling (H), Compacting prior to pouring the concrete garage floor.



Building Trades

Instructor: Jack Flory

Building Trades students are gearing up for one of the true challenges faced by our industry tradespersons, Michigan's cold season. Any used and new winter gear donations are greatly appreciated by the students. See you in the spring.



(left) Landen Caverly (H) and Addyson Hesling (H) framing the exterior walls.



(above) Morning session students posing after setting their first truss successfully.



(right) House #2 as of December 21, 2021. The students have been working so hard to complete each deadline before Christmas break.



Students at the Iosco RESA Tech Center "Breaking Traditions" studying in a non-traditional program

Students enrolled in non-traditional programs increase their potential for:

- * Economic self-sufficiency
- * Higher wages and better benefits
- * Broader job opportunities
- * Greater advancement potential
- * Job satisfaction

Non-traditional programs offered at the Iosco RESA Tech Center:

CULINARY ARTS & RESTAURANT MANAGEMENT
POWER MECHANICS

AUTOMOTIVE TECHNOLOGY
BUILDING TRADES

Please note: Approved Core Performance Indicators for all CTE programs can be accessed on the Iosco RESA website at www.ioscoresa.net. To access reports, click on the following link on the Iosco RESA website: **"CTE Perkins Core Performance Indicators"**

The Iosco Regional Educational Service Agency does not discriminate in any activity, program, or employment on the basis of race, disability, national origin, gender, religion, age, height, weight, or marital status.

Local High School Key:

H: Hale High School O: Oscoda Area High School
T: Tawas Area High School WP: Whittemore-Prescott High School
AEA: Alternative Educational Academy

The Iosco RESA Career and Technical Education Center would like to take this opportunity to recognize **David Gould** as “**Professional Student of the Month**” for **September 2021**. David is the son of Alan and Jill Gould. He is a junior at Tawas Area Schools.

David is a first year student in the Culinary Arts & Restaurant Management program. He started the year very quiet and kept to himself. David has now become a leader and role model in the classroom. He speaks loudly enough for others to hear his direction and is always a step ahead of the job duties assigned. He is first to hand in his work and help others when needed. We look forward to seeing his accomplishments as the year progresses.



The Iosco RESA Career and Technical Education Center would like to take this opportunity to recognize **Bethany Sides** as “**Professional Student of the Month**” for **October 2021**. Bethany is the daughter of Dawn Sides and Martin Sides, Jr. She is a junior at Tawas Area Schools.

Bethany is a first year student in the Automotive Technology program. Bethany has excelled in class and has proven her leadership skills by assisting the other students with specialty equipment, such as, On-Car Brake Lathe, proper use of the battery chargers, electronic battery/charging system tester, and Multi-Meter. Bethany doesn't shy away from any task in the lab/shop, she successfully replaced the front axle in a four-wheel drive SUV with another female student as the guys in the class shied away from the task.

Bethany was asked to be the student representative at the Automotive Advisory Board meeting. During the meeting she took the attendees on a tour of the facility; stopping at the different stations to explain how the students utilize the equipment on a daily basis. The advisory committee was very impressed with her representation of the program. Bethany stated that she took the Automotive Technologies class because she “doesn't want to rely on someone else to fix her vehicle”. Bethany comes from a

family with several generations in the automotive field, she feels it's in her DNA, we tend to agree!

The Iosco RESA Career and Technical Education Center would like to take this opportunity to recognize **Ozmund Johnson** as “**Professional Student of the Month**” for **November 2021**. Ozmund is the son of Bradley and Jane Johnson. He is a senior at Tawas Area Schools.

Oz is a first year student in the Building Trades program. He has made remarkable strides as a first year building trades student developing the skills required to be a successful contractor. He is quick to volunteer for job-site tasks, takes on leadership roles without asking, self-motivated, and completes his classroom work ahead of deadlines. Oz has developed a solid working knowledge of the construction related tools and demonstrates excellent teamwork skills. He is someone who is called upon to lead and tackle challenging projects which is an exceptional trait for a year one construction trades student. He is most deserving of this award for his outstanding performance.



Student Leaders

The Iosco Regional Educational Service Agency is so happy to be back in person, slowly getting back into our normal routines. The programs at the Tech Center have been taking advantage of every opportunity placed in front of them. Students are succeeding on all levels and it definitely shows.



(above) Building Trades student leader, Kenny Carpenter (H), demonstrating his skills to the tour groups.

(right) Hanna Daniels (WP) speaking to a group of students about the Teacher Prep Program.

The first week in December the Tech Center hosted 8th and 10th grade tours from the local school districts. IRESA student leaders led the tours from program to program explaining the benefits of each program and what they have to offer potential students. The IRESA students demonstrated their learned skills to show the students. The program leaders did such a fantastic job, thank you again to all of our helpers.



(above) Culinary students demonstrating how to make strawberry crepes.



(above) IRESA Student Leaders from all programs from the PM session.

(right) IRESA Student Leaders from all programs from the AM session.



LEADERS