Academies of Loudoun
Course Selection
2022-23
Agenda

- ACL Course Selection Process
- MATA Course Selections
  - Program continuation
  - New program
- AOS Course Selections
- AET Course Selections
- Dual Enrollment
- Questions
Course Request Process for Academies of Loudoun

• **ACL Student Services Office** will conduct an Advisory and send student surveys for selecting math and/or science options (week of Jan 17)
• **Parents**: Course Request Parent Meeting 6:30pm (Jan 18)
• **AET/AOS math teacher’s** recommendations completed (by Feb 4)
• **DDI** will post course selections for returning students in Student/ParentVue (week of 2/7)
• **ACL Counselors** will be available to meet with students for academic advisory (Feb 7 - Mar 25)
• **Administration and Counseling teams** will build the master schedule (by June 30)
• **Students** will be scheduled for 2022-2023 classes (by June 30)
• **Students/Parents** will have access to 2022-2023 schedules (mid August 2022)
If a student is attending a one-year program and wishes to attend a new MATA program in the subsequent year, they must **re-apply** through the admissions process.
MATA Course Selections

• If a student is in the first year of a two-year program, and they wish to continue to the second year, there is nothing that needs to be done by the student. Course requests will be entered automatically.

• If, after completing the first year of a 2-year program, a student wishes to discontinue enrollment, they must complete a withdrawal form. Forms can be obtained in the Student Services Office.
Rising 10th grade students:

• No options for courses
• Students will take: AOS Math Analysis II, AOS Integrated Science III, & AOS Sophomore Science Research

Rising 11th grade students:

• Math Options: AOS AP Calculus AB or AOS AP Calculus BC
• Students will take: AOS Biology, AOS Junior Science Research, & AOS AP Calculus (either AB or BC)
Rising 12th grade students:

- Math options are AOS AP Calculus BC or AOS Multivariable Calculus DE

- Science options include AOS AP Biology, AOS AP Chemistry, AOS AP Physics or AOS AP Environmental Science

- Students will take: AOS AP Calculus BC or AOS Multivariable Calculus DE, AOS Senior Science Research, and AOS AP Biology, Chemistry, Physics or Environmental Science
AET Course Selections

Rising 10th grade students:

• No options for courses

• Engineering Students will take: **AET Integrated Math II, AET Integrated Science II, & AET Engineering Studies II**

• IT/Computer Science Students will take: **AET Integrated Math II, AET Research Chemistry, & AET AP Computer Science**

• Entrepreneurship Students will take: **AET Integrated Math II, AET Integrated Science II, & AET Entrepreneurship II DE**
Rising 11th grade students:

- Math Options: AET AP Calculus AB or AET AP Calculus BC

- Engineering Students will take: AET AP Physics, AET Junior Research, AET AP Calculus (AB or BC)

- IT/Computer Science Students will take: AET AP Physics, AET Junior Research, AET AP Calculus (AB or BC)
Rising 12th grade students:

- Math Options: AET AP Calculus BC, AET Multivariable Calculus, AET AP Statistics

- Science Options: AET AP Biology, AET AP Chemistry, AET AP Environmental Science

- Engineering Students will take: AET AP Biology, Chemistry or Environmental Science; AET Senior Research; AET AP Calculus BC or AET Multivar Calculus or AET AP Statistics

- IT/Computer Science Students will take: AET AP Biology, Chemistry or Environmental Science; AET Senior Research; AET AP Calculus BC or AET Multivariable Calculus or AET AP Statistics
Rising 12th grade students:

- **Advanced AET Engineering Students will take:** AET AP Biology, Chemistry or Physics; AET Engineering Studies II; AET AP Calculus BC or AET Multivariable Calculus or AET AP Statistics

- **Advanced AET IT/Computer Science Students will take:** AET AP Biology, Chemistry or Physics; AET AP Computer Science; AET AP Calculus BC or AET Multivariable Calculus or AET AP Statistics
Dual Enrollment

- Participation in Dual Enrollment (DE) courses allows students to meet requirements for high school graduation while simultaneously earning college credits upon successful completion of the course.

- DE courses are taught at MATA and AET by an LCPS teacher credentialed by Northern Virginia Community College (NOVA).
Proposed for 2022-23:

- Entrepreneurship II
- CISCO I, II, III, & IV (quarters)
- Computer Integrated Engineering & Design I
- Cybersecurity
- Environmental Plant Science
- Intro to Health and Medical Sciences
- Medical Laboratory Technology I & II
- Pharmacy Technology I
- Radiology Technology I
- Welding I, II, III
Required each year

Students taking a DE course for the first time must apply to NOVA, and create a DualEnroll account.

All students must register for DE courses in their DualEnroll account.
Withdrawal and grading policies of Dual Enrollment courses are specific to the accrediting college and university (NOVA). Should the student not pass the first semester of a full year Dual Enrolled course, they will be automatically dropped from the second semester of the Dual Enrolled course. (2020-2021 LCPS Program of Studies, pg. 5)
NOVA Dual Enrollment Websites

• General Information: http://www.nvcc.edu/dual-enrollment/index.html
• Transfer Information: http://www.nvcc.edu/transfer/index.html
• Disability Support Services: https://www.nvcc.edu/disability-services/index.html
Questions?

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