



AS - Science Full-time Program Map, Starting with MTH 161

A Program Map is a template an advisor uses to create an individual Academic Plan for a student. The Academic Plan becomes customized based on a student's goals, preferences, and previous coursework in High School or elsewhere

Semester 1 (14 credits)

SDV 101 | Orientation to STEM Disciplines

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid
- 1 credit

Math* | MTH 161

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

ENG 111 | College Composition I

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Lab Science I (Seq. 1) | CHM 111 or GOL 105

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

History | HIS 101 or HIS 121

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Semester 2 (13 credits)

ITE 152 | Introduction to Digital Literacy

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid
- 3 credits

Math | MTH 162

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

ENG 112 | English Composition II

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Lab Science II (must be 2nd part of Seq. 1) | CHM 112 or GOL 106

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

Semester 3 (6 credits)

Hum/Art/Lit Elec | ART 101, ENG 255 or PHI 220

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Math | MTH 245

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Semester 4 (14-17 credits)

History | HIS 102 or 122

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Math or Lab Science Elective** | BIO 107, BIO 141, CHM 241 or MTH 263

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3-4 credits

Lab Science III (Seq. 3) | BIO 101, GOL 105, PHY 201 or PHY 241

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

Social/Behavioral Sciences Elective | ECO 201, PSY 200 or PSY 230

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Personal Wellness | HLT 105, HLT 106 or DIT 121

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 1-3 credits

Transfer

Additional information regarding transfer requirements for in-state colleges is available at transfervirginia.org.

Semester 5 (17-19 credits)

Lab Science IV (must be 2nd part of Seq. 3) | BIO 102, GOL 106, PHY 202 or PHY 242

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

Math or Lab Sciences Elective** | BIO 142, BIO 206, CHM 242 or MTH 264

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 4 credits

Hum/Art/Lit Elec | MUS 121, ENG 246 or PHI 111

- Offered: Fall, Spring, Summer
- Class Mode: Online, In-person
- 3 credits

Approved Electives | CST 100, CST 110, BIO 150 or BIO 256

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3-4 credits

Approved Electives | SOC 200, MTH 245, CHM 245 and CHM 246

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3-4 credits

Total Required Program Credit Hours: 61-66

*May need accompanying MDE 61, consult advisor for more information.

**Math/Lab Science electives may be any MTH course 161 or higher that are not being used in other slots and excluding BIO 100, BIO 106, BIO 145, CHM 101, and PHY 101.

Careers

Are you interested in learning more about the careers this program will prepare you for? If so, check out Career Coach. [Career Coach](#) provides information about job openings, wages, education requirements, and required skills. It will also help you find careers that match your interests.



AS - Science Full-time Program Map, Starting with MTH 167 or MTH 263

A Program Map is a template an advisor uses to create an individual Academic Plan for a student. The Academic Plan becomes customized based on a student's goals, preferences, and previous coursework in High School or elsewhere

Semester 1 (15-16 credits)

SDV 101 | Orientation to STEM Disciplines

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid
- 1 credit

Mathematics | MTH 167 or MTH 263

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4-5 credits

ENG 111 | College Composition I

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Lab Sciences I (Seq. 1) | CHM 111 or GOL 105

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

History Elective | HIS 101 or 121

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Semester 2 (16-17 credits)

ITE 152 | Introduction to Digital Literacy

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid
- 3 credits

Mathematics | MTH 245, MTH 263 or MTH 264

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3-4 credits

Lab Sciences II (must be 2nd part of Seq. 1) | CHM 112 or GOL 106

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

ENG 112 | English Composition II

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Hum/Art/Lit Elective | ART 101, ENG 255 or PHI 220

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Semester 3 (14-17 credits)

History Elective | HIS 102 or 122

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 3 credits

Math or Lab Sciences Elective** | BIO 107, BIO 141, CHM 241 MTH 263 or MTH 264

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3-4 credits

Lab. Sciences III (Seq. 3) | BIO 101, GOL 105, PHY 201 or PHY 241

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

Social/Behavioral Sciences Elective | ECO 201, PSY 200 or PSY 230

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 3 credits

Personal Wellness | HLT 105, HLT 106 or DIT 121

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 1-3 credits

Careers

Are you interested in learning more about the careers this program will prepare you for? If so, check out Career Coach. [Career Coach](#) provides information about job openings, wages, education requirements, and required skills. It will also help you find careers that match your interests.

Transfer

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Semester 4 (17-19 credits)

Lab Sciences IV (must be 2nd part of Seq. 3) | BIO 102, GOL 106, PHY 202 or PHY 242

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

Math or Lab Sciences Elective** | BIO 142, BIO 206, CHM 242 or MTH 264

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

Hum/Art/Lit Elective | MUS 121, ENG 246 or PHI 111

- Offered: Fall, Spring, Summer
- Class Mode: Online, In-Person
- 3 credits

Approved Elective | CST 100, CST 110, BIO 150 or BIO 256

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 3-4 credits

Approved Elective | SOC 200, MTH 245, CHM 245 and CHM 246

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 3-4 credits

Total Required Program Credit Hours: 61-66

**Math/Lab Science electives may be any MTH course 161 or higher that are not being used in other slots and excluding BIO 100, BIO 106, BIO 145, CHM 101, and PHY 101.



AS - Science Part-time Program Map, Starting with MTH 161

A Program Map is a template an advisor uses to create an individual Academic Plan for a student. The Academic Plan becomes customized based on a student's goals, preferences, and previous coursework in High School or elsewhere

Semester 1 (7 credits)

SDV 101 | Orientation to STEM Disciplines

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid
- 1 credit

Mathematics* | MTH 161

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

ENG 111 | College Composition I

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Semester 2 (8-10 credits)

Lab Sciences I (Seq. 1) | CHM 111 or GOL 105

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

Mathematics | MTH 162

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Personal Wellness | HLT 105, HLT 106 or DIT 121

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid
- 1-3 credits

Semester 3 (6 credits)

Mathematics | MTH 245

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

History Elective | HIS 101 or HIS 121

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Semester 4 (10 credits)

ENG 112 | English Composition II

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Lab Sciences II (must be 2nd part of Seq. 1) | CHM 112 or GOL 106

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

ITE 152 | Introduction to Digital Literacy

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 3 credits

Semester 5 (10 credits)

Lab Sciences III (Seq. 3) | BIO 101, GOL 105, PHY 201 or PHY 241

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

History Elective | HIS 102 or 122

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Hum/Art/Lit Elective | ART 101, ENG 255 or PHI 220

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Semester 6 (6-7 credits)

Social/Behavioral Sciences Elective | ECO 201, PSY 200 or PSY 230

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Approved Elective | CST 100, CST 110, BIO 150 or BIO 256

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3-4 credits

Careers

Are you interested in learning more about the careers this program will prepare you for? If so, check out Career Coach. [Career Coach](#) provides information about job openings, wages, education requirements, and required skills. It will also help you find careers that match your interests.

Semester 7 (10-11 credits)

Lab Sciences IV (must be 2nd part of Seq. 3) | BIO 102, GOL 106, PHY 202 or PHY 242

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

Math or Lab Sciences Elective** | BIO 107, BIO 141, CHM 241, MTH 263 or MTH 264

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3-4 credits

Hum/Art/Lit Elec | MUS 121, ENG 246 or PHI 111

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Semester 8 (6-8 credits)

Math or Lab Sciences Elective** | BIO 142, BIO 206, CHM 242 or MTH 264

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 3-4 credits

Approved Elective | SOC 200, MTH 245, CHM 245 and CHM 246

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3-4 credits

Total Required Program Credit Hours: 61-66

*May need accompanying MDE 61, consult advisor for more information.

**Math/Lab Science electives may be any MTH course 161 or higher that are not being used in other slots and excluding BIO 100, BIO 106, BIO 145, CHM 101, and PHY 101.

Transfer

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AS - Science Part-time Program Map, Starting with MTH 167 or MTH 263

A Program Map is a template an advisor uses to create an individual Academic Plan for a student. The Academic Plan becomes customized based on a student's goals, preferences, and previous coursework in High School or elsewhere

Semester 1 (8-9 credits)

SDV 101 | Orientation to STEM Disciplines

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid
- 1 credit

Math | MTH 167 or MTH 263

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4-5 credits

ENG 111 | College Composition I

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Semester 2 (8-11 credits)

Lab Sci. Seq. 1 | CHM 111, GOL 105

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

Math | MTH 245, 263 or 264

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3-4 credits

Personal Wellness | HLT 105, HLT 106, DIT 121

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid
- 1-3 credits

Semester 3 (6 credits)

Soc/Beh. Sci. Elective | ECO 201, PSY 200, PSY 230

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 3 credits

History Elec. | HIS 101 or 121

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Semester 4 (10 credits)

ENG 112 | English Composition II

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Lab Sci. Seq. 2 (must be 2nd part of Seq. 1) | CHM 112, GOL 106

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

Computer Literacy | ITE 152

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid
- 3 credits

Semester 5 (10 credits)

Lab Sciences III (Seq. 3) | BIO 101, GOL 105, PHY 201 or PHY 241

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

History Elective | HIS 102 or 122

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 3 credits

Hum/Art/Lit Elective | ART 101, ENG 255 or PHI 220

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3 credits

Semester 6 (6-7 credits)

Hum/Art/Lit Elective | MUS 121, ENG 246 or PHI 111

- Offered: Fall, Spring, Summer
- Class Mode: Online, In-Person
- 3 credits

Approved Elective | CST 100, CST 110, BIO 150 or BIO 256

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 3-4 credits

Semester 7 (7-8 credits)

Lab Sciences IV (must be 2nd part of Seq. 3) | BIO 102, GOL 106, PHY 202 or PHY 242

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 4 credits

Math or Lab Sciences Elective** | BIO 107, BIO 141, CHM 241, MTH 245, MTH 263 or MTH 264

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3-4 credits

Semester 8 (6-8 credits)

Math or Lab Sciences Elective** | BIO 142, BIO 206, CHM 242 or MTH 264

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-person
- 3-4 credits

Approved Elect. | SOC 200, MTH 245, CHM 245 and CHM 246

- Offered: Fall, Spring, Summer
- Class Mode: Online, Hybrid, In-Person
- 3-4 credits

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Total Required Program Credit Hours: 61-66

Careers

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