



2025-26 CTE Programs of Study

The Postsecondary, Workforce, CTE and Military Readiness division has revamped the existing sixteen career clusters into a streamlined framework aimed at bridging education and the workforce through high-quality Career and Technical Education (CTE) programs. This updated framework now features 14 career clusters and 59 programs of study, organized into five meta clusters to assist students in identifying paths that align with their interests and strengths. Additionally, three cross-cutting clusters provide essential skills and career opportunities that can operate independently or integrate with all other career clusters.

No programs of study have been eliminated from the framework, though some have shifted into other cluster groupings. Major changes include the following:

- Energy and Sustainable Resources is a new career cluster that includes the Clean Energy and Ecological Research and Conservation programs of study.
- Information Technology has been renamed to Digital Technology and includes the new Data Science program of study.
- STEM has been eliminated as a standalone career cluster. Engineering, Advanced STEM Applications, and Robotics and Technology programs of study are part of the Advanced Manufacturing career cluster, and BioSTEM is part of the Healthcare and Human Services career cluster.
- Law, Public Safety, Corrections & Security and Government & Public Administration have been combined into the Civics, Public Service & Safety career cluster.
- The Health Sciences & Human Services Career Clusters have been combined into the Healthcare & Human Services Cluster.
- The Supply Chain Management program of study has moved from the Marketing, Distribution & Logistics career cluster and now is within the Supply Chain and Transportation career cluster.
- Marketing Research & Analytics program of study has been added to the Marketing & Sales career cluster.
- Interior Design has moved from the Architecture & Construction career cluster and is now in the Arts, Entertainment, & Design career cluster.
- Three Clusters – Digital Technology, Marketing & Sales, and Management & Entrepreneurship – are designated as both stand-alone Clusters and Cross-cutting Clusters that provide skills and prepare learners for careers relevant across industries and sectors.
- Office Management and Business Management are now a combined program of study.
- The Fashion Design program of study is now called Fashion Merchandising.

Advanced Manufacturing

Advanced STEM Applications

Year 1	Year 2	Year 3	Year 4
STEM I: Foundations ¹ (C21H15)	STEM II: Applications ¹ (C21H16)	STEM III: STEM in Context ¹ (C21H17)	STEM IV: STEM Practicum ² (C21H18) -or- WBL Advanced STEM Applications Career Practicum ³ (C21H45)

Dual Enrollment Advanced STEM Applications ⁴

DE I (C21H32)	DE II (C21H33)	DE III (C21H35)	DE IV (C21H36)	DE V (C21H49)
DE VI (C21H50)	DE VII (C21H51)	DE VIII (C21H52)	DE IX (C21H53)	DE X (C21H54)

Available courses for elective credit in this cluster:

- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the STEM Applications program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies the third lab science credit required for graduation.

² A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

³ May be taught for 1, 2, or 3 credits.

⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Advanced Manufacturing

Engineering

Year 1	Year 2	Year 3	Year 4
Principles of Engineering & Technology (C21H04)	Engineering Design I ¹ (C21H05)	Engineering Design II ¹ (C21H06)	Engineering Practicum ² (C21H14) -or- WBL Engineering Career Practicum ³ (C21H47)

Dual Enrollment Engineering ⁴

DE I (C21H00)	DE II (C21H11)	DE III (C21H41)	DE IV (C21H42)	DE V (C21H61)
DE VI (C21H62)	DE VII (C21H63)	DE VIII (C21H64)	DE IX (C21H65)	DE X (C21H66)

Available courses for elective credit in this cluster:

- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the Engineering program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, & Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies the third lab science credit required for graduation.

² A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

³ May be taught for up to 6 credits per year, including the summer term.

⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Advanced Manufacturing

Industrial Maintenance Technology

Year 1	Year 2	Year 3	Year 4
Principles of Manufacturing (C13H05)	Introduction to Industrial Maintenance (C13H28)	Advanced Industrial Maintenance (C13H29)	Manufacturing Practicum ¹ (C13H08) -or- WBL Industrial Maintenance Technology Career Practicum ² (C13H40)

Dual Enrollment Industrial Maintenance Technology ³

DE I (C13H30)	DE II (C13H31)	DE III (C13H32)	DE IV (C13H33)	DE V (C13H50)	DE VI (C13H51)
DE VII (C13H52)	DE VIII (C13H53)	DE IX (C13H54)	DE X (C13H55)	DE XI (C13H74)	DE XII (C13H75)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

² May be taught for up to 6 credits per year, including the summer term.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Advanced Manufacturing

Machining Technology

Year 1	Year 2	Year 3	Year 4
Principles of Manufacturing (C13H05)	Principles of Machining I (C13H09)	Principles of Machining II (C13H06)	Manufacturing Practicum ¹ (C13H08) -or- WBL Machining Technology Career Practicum ² (C13H41)

Dual Enrollment Machining Technology ³

DE I (C13H01)	DE II (C13H20)	DE III (C13H34)	DE IV (C13H35)	DE V (C13H56)	DE VI (C13H57)
DE VII (C13H58)	DE VIII (C13H59)	DE IX (C13H60)	DE X (C13H61)	DE XI (C13H76)	DE XII (C13H77)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.
- ² May be taught for up to 6 credits per year, including the summer term.
- ³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Advanced Manufacturing

Mechatronics

Year 1	Year 2	Year 3	Year 4
Principles of Manufacturing (C13H05)	Digital Electronics (C13H07)	Mechatronics I (C13H16) -or- Robotics & Automated Systems (C13H15)	Mechatronics II (C13H17) -or- Manufacturing Practicum ¹ (C13H08) -or- WBL Mechatronics Career Practicum ² (C13H42)

Dual Enrollment Mechatronics ³

DE I (C13H04)	DE II (C13H21)	DE III (C13H36)	DE IV (C13H37)	DE V (C13H62)
DE VI (C13H63)	DE VII (C13H64)	DE VIII (C13H65)	DE IX (C13H66)	DE X (C13H67)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

² May be taught for up to 6 credits per year, including the summer term.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Advanced Manufacturing

Robotics & Technology

Year 1	Year 2	Year 3	Year 4
Principles of Engineering & Technology (C21H04)	Digital Electronics (C13H07)	Robotics & Automated Systems (C13H15)	Engineering Practicum ¹ (C21H14) -or- WBL Robotics & Technology Career Practicum ² (C21H48)

Dual Enrollment Robotics & Technology ³

DE I (C21H01)	DE II (C21H12)	DE III (C21H43)	DE IV (C21H44)	DE V (C21H67)
DE VI (C21H68)	DE VII (C21H69)	DE VIII (C21H70)	DE IX (C21H71)	DE X (C21H72)

Available courses for elective credit in this cluster:

- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the Robotics & Technology program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

² May be taught for up to 6 credits per year, including the summer term.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Advanced Manufacturing

Welding

Year 1	Year 2	Year 3	Year 4
Principles of Manufacturing (C13H05)	Welding I (C13H12)	Welding II (C13H10)	Manufacturing Practicum ¹ (C13H08) -or- WBL Welding Career Practicum ² (C13H43)

Dual Enrollment Welding ³

DE I (C13H03)	DE II (C13H18)	DE III (C13H38)	DE IV (C13H39)	DE V (C13H44)	DE VI (C13H45)
DE VII (C13H46)	DE VIII (C13H47)	DE IX (C13H48)	DE X (C13H49)	DE XI (C13H72)	DE XII (C13H73)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.
- ² May be taught for up to 6 credits per year, including the summer term.
- ³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Agriculture

Agribusiness

Year 1	Year 2	Year 3	Year 4
Agriscience ¹ (C18H19) -or- Foundational Supervised Agricultural Experience I ² (C18H58)	Principles of Farm and Agribusiness Management ³ (C18H41) -or- Foundational Supervised Agricultural Experience II ² (C18HB7)	Organizational Leadership & Communications (C18H18) -or- Capstone Supervised Agricultural Experience (C18H57)	Agricultural Business & Finance ^{4 & 5} (C18H11) -or- Agriculture, Food, and Natural Resource Practicum (C18HB8) -or- SDC Introduction to Agriculture Business ⁵ (C18H10) -or- WBL Agribusiness Career Practicum ⁶ (C18H61)

Dual Enrollment Agribusiness ⁷

DE I (C18H03)	DE II (C18H32)	DE III (C18H43)	DE IV (C18H44)	DE V (C18H67)
DE VI (C18H68)	DE VII (C18H69)	DE VIII (C18H70)	DE IX (C18H71)	DE X (C18H72)

Available courses for elective credit in this cluster:

- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the Agribusiness program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ Satisfies the third lab science credit required for graduation.
- ² Supplemental Work-Based Learning opportunity for Agriculture career cluster students.
- ³ Satisfies the fourth math credit required for graduation.
- ⁴ Satisfies ½ credit of Personal Finance required for graduation.
- ⁵ Satisfies ½ credit of Economics required for graduation.
- ⁶ May be taught for up to 6 credits per year, including the summer term.
- ⁷ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Agriculture

Agricultural Engineering, Industrial, and Mechanical Systems

Year 1	Year 2	Year 3	Year 4
Agriscience ¹ (C18H19) -or- Foundational Supervised Agricultural Experience I ² (C18H58)	Principles of Agricultural Mechanics (C18H12) -or- Foundational Supervised Agricultural Experience II ² (C18HB7)	Agricultural Power & Equipment (C18H13) -or- Capstone Supervised Agricultural Experience (C18H57)	Agricultural Fabrication and Biosystems Engineering ³ (C18H42) -or- Unmanned Aircraft Systems in Agriculture (C18H40) -or- Agriculture, Food, and Natural Resource Practicum (C18HB8) -or- WBL Agricultural Engineering, Industrial, and Mechanical Systems Career Practicum ⁴ (C18H62)

Dual Enrollment Agricultural Engineering, Industrial, and Mechanical Systems ⁵

DE I (C18H45)	DE II (C18H46)	DE III (C18H47)	DE IV (C18H48)	DE V (C18H73)
DE VI (C18H74)	DE VII (C18H75)	DE VIII (C18H76)	DE IX (C18H77)	DE X (C18H78)

Available courses for elective credit in this cluster:

- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the Agricultural Engineering, Industrial, and Mechanical Systems program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ Satisfies the third lab science credit required for graduation.
- ² Supplemental Work-Based Learning opportunity for Agriculture career cluster students.
- ³ Satisfies the fourth math credit required for graduation.
- ⁴ May be taught for up to 6 credits per year, including the summer term.
- ⁵ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Agriculture

Environmental and Natural Resource Management

Year 1	Year 2	Year 3	Year 4
Agriscience ¹ (C18H19) -or- Foundational Supervised Agricultural Experience I ² (C18H58)	Applied Environmental Science ¹ (C18H25) -or- Foundational Supervised Agricultural Experience II ² (C18HB7)	Plant & Soil Science ¹ (C18H15) -or- Capstone Supervised Agricultural Experience (C18H57)	Natural Resource Management ¹ (C18H28) -or- Unmanned Aircraft Systems in Agriculture (C18H40) -or- Agriculture, Food, and Natural Resource Practicum (C18HB8) -or- WBL Environmental and Natural Resource Management Career Practicum ³ (C18H63)

Dual Enrollment Environmental & Natural Resource Management ⁴

DE I (C18H06)	DE II (C18H36)	DE III (C18H49)	DE IV (C18H50)	DE V (C18H79)
DE VI (C18H80)	DE VII (C18H81)	DE VIII (C18H82)	DE IX (C18H83)	DE X (C18H84)

Available courses for elective credit in this cluster:

- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the Environmental and Natural Resource Management program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ Satisfies the third lab science credit required for graduation.
- ² Supplemental Work-Based Learning opportunity for Agriculture career cluster students.
- ³ May be taught for up to 6 credits per year, including the summer term.
- ⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Agriculture

Food Science

Year 1	Year 2	Year 3	Year 4
Agriscience ¹ (C18H19) -or- Foundational Supervised Agricultural Experience I ² (C18H58)	Principles of Food Production (C18H29) -or- Foundational Supervised Agricultural Experience II ² (C18HB7)	Food Science & Safety ¹ (C18H26) -or- Capstone Supervised Agricultural Experience (C18H57)	Advanced Food Science ¹ (C18H24) -or- Agriculture, Food, and Natural Resource Practicum (C18HB8) -or- WBL Food Science Career Practicum ³ (C18H64)

Dual Enrollment Food Science ⁴

DE I (C18H04)	DE II (C18H37)	DE III (C18H51)	DE IV (C18H52)	DE V (C18H85)
DE VI (C18H86)	DE VII (C18H87)	DE VIII (C18H88)	DE IX (C18H89)	DE X (C18H90)

Available courses for elective credit in this cluster:

- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the Food Science program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies the third lab science credit required for graduation.

² Supplemental Work-Based Learning opportunity for Agriculture career cluster students.

³ May be taught for up to 6 credits per year, including the summer term.

⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Agriculture

Horticulture Science

Year 1	Year 2	Year 3	Year 4
Agriscience ¹ (C18H19) -or- Foundational Supervised Agricultural Experience I ² (C18H58)	Principles of Plant Science & Hydroculture (C18H30) -or- Foundational Supervised Agricultural Experience II ² (C18HB7)	Greenhouse Management (C18H17) -or- Capstone Supervised Agricultural Experience (C18H57) -or- SDC Introduction to Plant Science ¹ (C18H09)	Landscaping & Turf Science ³ (C18H16) -or- Unmanned Aircraft Systems in Agriculture (C18H40) -or- Agriculture, Food, and Natural Resource Practicum (C18HB8) -or- WBL Horticulture Science Career Practicum ⁴ (C18H65)

Dual Enrollment Horticulture Science ⁵

DE I (C18H05)	DE II (C18H33)	DE III (C18H53)	DE IV (C18H54)	DE V (C18H91)
DE VI (C18H92)	DE VII (C18H93)	DE VIII (C18H94)	DE IX (C18H95)	DE X (C18H96)

Available courses for elective credit in this cluster:

- **Floral Design and Operations** ³ (C18H59) is a supplemental course that can be offered in addition to courses within the Horticulture Science program of study but does not count toward concentrator status.
- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the Horticulture Science program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ Satisfies the third lab science credit required for graduation.
- ² Supplemental Work-Based Learning opportunity for Agriculture career cluster students.
- ³ Satisfies the one fine arts credit required for graduation.
- ⁴ May be taught for up to 6 credits per year, including the summer term.
- ⁵ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Agriculture

Meat Science

Year 1	Year 2	Year 3	Year 4
Agriscience ¹ (C18H19) -or- Foundational Supervised Agricultural Experience I ² (C18H58)	Meat Science I (C18HB3) -or- Foundational Supervised Agricultural Experience II ² (C18HB7)	Meat Science II (C18HB4) -or- Capstone Supervised Agricultural Experience (C18H57)	Meat Science III (C18HB5) -or- Agriculture, Food, and Natural Resource Practicum (C18HB8) -or- WBL Meat Science Career Practicum ³ (C18HB6)

Dual Enrollment Meat Science ⁴

DE I (C18H97)	DE II (C18H98)	DE III (C18H99)	DE IV (C18HA0)	DE V (C18HA1)
DE VI (C18HA2)	DE VII (C18HA3)	DE VIII (C18HA4)	DE IX (C18HA5)	DE X (C18HA6)

Available courses for elective credit in this cluster:

- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the Meat Science program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ Satisfies the third lab science credit required for graduation.
- ² Supplemental Work-Based Learning opportunity for Agriculture career cluster students.
- ³ May be taught for up to 6 credits per year, including the summer term.
- ⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Agriculture

Veterinary and Animal Science

Year 1	Year 2	Year 3	Year 4
Agriscience ¹ (C18H19) -or- Foundational Supervised Agricultural Experience I ² (C18H58)	Small Animal Science Technologies (C18H20) -or- Foundational Supervised Agricultural Experience II ² (C18HB7)	Large Animal Science Technologies (C18H27) -or- Capstone Supervised Agricultural Experience (C18H57)	Veterinary Science Technologies ¹ (C18H21) -or- Unmanned Aircraft Systems in Agriculture (C18H40) -or- Agriculture, Food, and Natural Resource Practicum (C18HB8) -or- WBL Veterinary and Animal Science Career Practicum ³ (C18H66)

Dual Enrollment Veterinary & Animal Science ⁴

DE I (C18H01)	DE II (C18H34)	DE III (C18H55)	DE IV (C18H56)	DE V (C18HA7)
DE VI (C18HA8)	DE VII (C18HA9)	DE VIII (C18HB0)	DE IX (C18HB1)	DE X (C18HB2)

Available courses for elective credit in this cluster:

- **Equine Science** (C18H60) is a supplemental course that can be offered in addition to courses within the Veterinary and Animal Science program of study but does not count toward concentrator status.
- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the Veterinary and Animal Science program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ Satisfies the third lab science credit required for graduation.
- ² Supplemental Work-Based Learning opportunity for Agriculture career cluster students.
- ³ May be taught for up to 6 credits per year, including the summer term.
- ⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Arts, Entertainment and Design

Audio/Visual Production

Year 1	Year 2	Year 3	Year 4
A/V Production I (C11H01)	A/V Production II (C11H02)	A/V Production III (C11H03)	Applied Arts Practicum (C11H07) -or- WBL Audio/Visual Production Career Practicum ¹ (C11H25)

Dual Enrollment Audio/Visual Production ²

DE I (C11H00)	DE II (C11H15)	DE III (C11H18)	DE IV (C11H19)	DE V (C11H27)
DE VI (C11H28)	DE VII (C11H29)	DE VIII (C11H30)	DE IX (C11H31)	DE X (C11H32)

Available courses for elective credit in this cluster:

- **Journalism I** (G01H15) is a supplemental course that can be offered in addition to courses within the Audio/Visual Production program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Arts, Entertainment and Design

Digital Arts & Design

Year 1	Year 2	Year 3	Year 4
Digital Arts & Design I ¹ (C11H06)	Digital Arts & Design II (C11H05)	Digital Arts & Design III (C11H16)	Applied Arts Practicum (C11H07) -or- WBL Digital Arts & Design Career Practicum ² (C11H26)

Dual Enrollment Digital Arts & Design ³

DE I (C11H08)	DE II (C11H09)	DE III (C11H20)	DE IV (C11H21)	DE V (C11H33)
DE VI (C11H34)	DE VII (C11H35)	DE VIII (C11H36)	DE IX (C11H37)	DE X (C11H38)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies the one fine arts credit required for graduation.

² May be taught for up to 6 credits per year, including the summer term.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Arts, Entertainment and Design

Fashion Merchandising

Year 1	Year 2	Year 3	Year 4	
Foundations of Fashion Design & Merchandising ¹ (C11H17)	Fashion Design & Merchandising (C11H10)	Entrepreneurship (C31H05)	Advanced Fashion Design & Merchandising (C11H11) -or- WBL Fashion Design & Merchandising Career Practicum ² (C11H24)	
Dual Enrollment Fashion Design & Merchandising ³				
DE I (C11H13)	DE II (C11H14)	DE III (C11H22)	DE IV (C11H23)	DE V (C11H39)
DE VI (C11H40)	DE VII (C11H41)	DE VIII (C11H42)	DE IX (C11H43)	DE X (C11H44)
Available courses for elective credit in this cluster:				
<ul style="list-style-type: none"> • JAG TN Course I (C25H20), JAG TN Course II (C25H21), JAG TN Course III (C25H22), and JAG TN Course IV (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status. • Preparing for the ACT, Postsecondary, and Career (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status. 				
Footnotes				
<p>¹ Satisfies the one fine arts credit required for graduation.</p> <p>² May be taught for up to 6 credits per year, including the summer term.</p> <p>³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.</p>				

Arts, Entertainment and Design

Interior Design

Year 1	Year 2	Year 3	Year 4
Foundations of Interior Design ¹ (C17H12)	Residential Interior Design (C17H11)	Commercial Interior Design (C17H20)	Advanced Interior Design (C17H19) -or- WBL Interior Design Career Practicum ² (C17H49)

Dual Enrollment Interior Design ³

DE I (C17H05)	DE II (C17H29)	DE III (C17H37)	DE IV (C17H38)	DE V (C17H56)
DE VI (C17H57)	DE VII (C17H58)	DE VIII (C17H59)	DE IX (C17H60)	DE X (C17H61)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies the one fine arts credit required for graduation.

² May be taught for up to 6 credits per year, including the summer term.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Civics, Public Service & Safety

Criminal Justice and Correction Services

Year 1	Year 2	Year 3	Year 4
Criminal Justice I (C30H00)	Criminal Justice II (C30H01) -or- SDC Criminal Justice ¹ (C30H11)	Criminal Justice III: Forensic Criminal Investigations (C30H02)	Criminal Justice Practicum (C30H03) -or- Unmanned Aircraft Systems for Criminal Justice (C30H18) -or- WBL Criminal Justice and Correction Services Career Practicum ² (C30H27)

Dual Enrollment Criminal Justice and Correction Services ³

DE I (C30H12)	DE II (C30H13)	DE III (C30H20)	DE IV (C30H21)	DE V (C30H29)
DE VI (C30H30)	DE VII (C30H31)	DE VIII (C30H32)	DE IX (C30H33)	DE X (C30H34)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Statewide Dual Credit Criminal Justice **requires** Criminal Justice I as a prerequisite course; students cannot take Statewide Dual Credit Criminal Justice without having already completed the first course in the program of study. Students must be at least a sophomore to take the Statewide Dual Credit Criminal Justice course.

² May be taught for up to 6 credits per year, including the summer term.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Civics, Public Service & Safety

Fire Management Services

Year 1	Year 2	Year 3	Year 4
Principles of Fire & Emergency Services (C30H04)	Fire Prevention (C30H05)	Fire Science I (C30H06)	Fire Science II (C30H07) -or- WBL Fire Management Services Career Practicum ¹ (C30H26)

Dual Enrollment Fire Management Services ²

DE I (C30H14)	DE II (C30H15)	DE III (C30H22)	DE IV (C30H23)	DE V (C30H35)
DE VI (C30H36)	DE VII (C30H37)	DE VIII (C30H38)	DE IX (C30H39)	DE X (C30H40)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Civics, Public Service & Safety

Leadership in Government

Year 1	Year 2	Year 3	Year 4
JROTC I ¹ (G08H04)	JROTC II ² (G08H05)	U.S. Government & Civics (G04H12) -or- JROTC III ³ (G08H06)	JROTC IV (G08H07) -or- WBL General Education Work-Based Learning: Career Practicum ⁴ (G25H29)

Dual Enrollment Leadership in Community Emergency Response ⁵

DE I (C15H22)	DE II (C15H23)	DE III (C15H25)	DE IV (C15H26)	DE V (C15H31)
DE VI (C15H32)	DE VII (C15H33)	DE VIII (C15H34)	DE IX (C15H35)	DE X (C15H36)

Available courses for elective credit in this cluster:

- **Success Skills through Service Learning** (C25H15) is a supplemental course that can be offered in addition to courses within the Leadership in Government program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹JROTC I satisfies the graduation requirement for Lifetime Wellness.
²JROTC II satisfies the graduation requirement for Physical Education.
³JROTC III satisfies the graduation requirement for a ½ credit of Personal Finance and a ½ credit of US Government & Civics.
⁴May be taught for up to 6 credits per year, including the summer term.
⁵Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Civics, Public Service & Safety

Pre-Law

Year 1	Year 2	Year 3	Year 4
Pre-Law I ¹ (C30H08)	Pre-Law II ¹ (C30H09)	Pre-Law III ¹ (C30H10)	Pre-Law Practicum (C30H19) -or- WBL Pre-Law Career Practicum ² (C30H28)

Dual Enrollment Pre-Law ³

DE I (C30H16)	DE II (C30H17)	DE III (C30H24)	DE IV (C30H25)	DE V (C30H41)
DE VI (C30H42)	DE VII (C30H43)	DE VIII (C30H44)	DE IX (C30H45)	DE X (C30H46)

Available courses for elective credit in this cluster:

- **American Business Legal Systems** ⁴ (C12H20) is a supplemental course that can be offered in addition to courses within the Pre-Law program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ Pre-Law I, II, and III satisfies credit the graduation requirement for U.S. Government and Civics for students who complete all three courses.
- ² May be taught for up to 6 credits per year, including the summer term.
- ³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.
- ⁴ Satisfies ½ credit of US Government required for graduation.

Construction

Architectural & Engineering Design

Year 1	Year 2	Year 3	Year 4
Architectural & Engineering Design I (C17H13)	Architectural & Engineering Design II (C17H14)	Architectural & Engineering Design III (C17H10)	Engineering Practicum ¹ (C21H14) -or- WBL Architectural & Engineering Design Career Practicum ² (C17H45)

Dual Enrollment Architectural & Engineering Design ³

DE I (C17H04)	DE II (C17H28)	DE III (C17H35)	DE IV (C17H36)	DE V (C17H50)
DE VI (C17H51)	DE VII (C17H52)	DE VIII (C17H53)	DE IX (C17H54)	DE X (C17H55)

Available courses for elective credit in this cluster:

- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the Architectural & Engineering Design program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

² May be taught for up to 6 credits per year, including the summer term.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Construction

Mechanical, Electrical, & Plumbing (MEP) Systems

Year 1	Year 2	Year 3	Year 4
Fundamentals of Construction (C17H15)	Mechanical, Electrical, & Plumbing Systems (C17H23)	HVAC (C17H17) -or- Electrical Systems (C17H16) -or- Plumbing Systems (C17H18)	Construction Practicum (C17H22) -or- WBL Mechanical, Electrical, & Plumbing (MEP) Systems Career Practicum ¹ (C17H46)

Dual Enrollment Mechanical, Electrical, & Plumbing Systems ²

DE I (C17H03)	DE II (C17H30)	DE III (C17H39)	DE IV (C17H40)	DE V (C17H62)
DE VI (C17H63)	DE VII (C17H64)	DE VIII (C17H65)	DE IX (C17H66)	DE X (C17H67)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Construction

Residential & Commercial Construction

Year 1	Year 2	Year 3	Year 4
Fundamentals of Construction (C17H15)	Residential & Commercial Construction I (C17H24)	Residential & Commercial Construction II (C17H25)	Construction Practicum (C17H22) -or- WBL Residential & Commercial Construction Career Practicum ¹ (C17H47)

Dual Enrollment Residential & Commercial Construction ²

DE I (C17H01)	DE II (C17H31)	DE III (C17H33)	DE IV (C17H34)	DE V (C17H68)
DE VI (C17H69)	DE VII (C17H70)	DE VIII (C17H71)	DE IX (C17H72)	DE X (C17H73)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Construction

Structural Systems

Year 1	Year 2	Year 3	Year 4
Fundamentals of Construction (C17H15)	Structural Systems I (C17H26)	Structural Systems II (C17H27)	Construction Practicum (C17H22) -or- WBL Structural Systems Career Practicum ¹ (C17H48)

Dual Enrollment Structural Systems ²

DE I (C17H02)	DE II (C17H32)	DE III (C17H43)	DE IV (C17H44)	DE V (C17H74)
DE VI (C17H75)	DE VII (C17H76)	DE VIII (C17H77)	DE IX (C17H78)	DE X (C17H79)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Digital Technology

Coding

Year 1	Year 2	Year 3	Year 4
Computer Science Foundations ¹ (C10H11)	Coding I ¹ (C10H14)	Coding II ¹ (C10H15) -or- Mobile App Development ¹ (C10H22)	Coding Practicum ^{1 & 2} (C10H08) -or- WBL Coding Career Practicum ³ (C10H40)

Dual Enrollment Coding ^{1 & 4}

DE I (C10H01)	DE II (C10H28)	DE III (C10H32)	DE IV (C10H33)	DE V (C10H44)
DE VI (C10H45)	DE VII (C10H46)	DE VIII (C10H47)	DE IX (C10H48)	DE X (C10H49)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May count for a computer science course, a 3rd lab science credit, or a 4th math credit for the graduation requirement. A course approved to substitute for more than one graduation requirement can only be used by a student to substitute for one (1) graduation requirement course.

² A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

³ May be taught for up to 6 credits per year, including the summer term.

⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Digital Technology

Cybersecurity

Year 1	Year 2	Year 3	Year 4
Computer Science Foundations ¹ (C10H11)	Cybersecurity I ¹ (C10H19)	Cybersecurity II ¹ (C10H20)	Cybersecurity Practicum ^{1 & 2} (C10H21) -or- WBL Cybersecurity Career Practicum ³ (C10H41)

Dual Enrollment Cybersecurity ^{1 & 4}

DE I (C10H24)	DE II (C10H31)	DE III (C10H34)	DE IV (C10H35)	DE V (C10H50)
DE VI (C10H51)	DE VII (C10H52)	DE VIII (C10H53)	DE IX (C10H54)	DE X (C10H55)

Available courses for elective credit in this cluster:

- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the Cybersecurity program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May count for a computer science course, a 3rd lab science credit, or a 4th math credit for the graduation requirement. A course approved to substitute for more than one graduation requirement can only be used by a student to substitute for one (1) graduation requirement course.

² A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

³ May be taught for up to 6 credits per year, including the summer term.

⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Digital Technology

Data Science

Year 1	Year 2	Year 3	Year 4	
Computer Science Foundations ¹ (C10H11)	Data Science I (C10H73)	Data Science II (C10H74)	Data Science III (C10H75) -or- WBL Data Science Career Practicum ² (C10H76)	
Dual Enrollment Data Science ³				
DE I (C10H77)	DE II (C10H78)	DE III (C10H79)	DE IV (C10H80)	DE V (C10H81)
DE VI (C10H82)	DE VII (C10H83)	DE VIII (C10H84)	DE IX (C10H85)	DE X (C10H86)
Available courses for elective credit in this cluster:				
<ul style="list-style-type: none"> • JAG TN Course I (C25H20), JAG TN Course II (C25H21), JAG TN Course III (C25H22), and JAG TN Course IV (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status. • Preparing for the ACT, Postsecondary, and Career (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status. 				
Footnotes				
<p>¹ May count for a computer science course, a 3rd lab science credit, or a 4th math credit for the graduation requirement. A course approved to substitute for more than one graduation requirement can only be used by a student to substitute for one (1) graduation requirement course.</p> <p>² May be taught for up to 6 credits per year, including the summer term.</p> <p>³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.</p>				

Digital Technology

Networking Systems

Year 1	Year 2	Year 3	Year 4	
Computer Science Foundations ¹ (C10H11)	Computer Systems (C10H10)	Networking (C10H13)	Cabling & Internetworking (C10H09) -or- IT Clinical Internship ² (C10H12) -or- WBL Networking Systems Career Practicum ³ (C10H42)	
Dual Enrollment Networking Systems ⁴				
DE I (C10H02)	DE II (C10H29)	DE III (C10H36)	DE IV (C10H37)	DE V (C10H56)
DE VI (C10H57)	DE VII (C10H58)	DE VIII (C10H59)	DE IX (C10H60)	DE X (C10H61)
Available courses for elective credit in this cluster:				
<ul style="list-style-type: none"> • JAG TN Course I (C25H20), JAG TN Course II (C25H21), JAG TN Course III (C25H22), and JAG TN Course IV (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status. • Preparing for the ACT, Postsecondary, and Career (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status. 				
Footnotes				
<p>¹ May count for a computer science course, a 3rd lab science credit, or a 4th math credit for the graduation requirement. A course approved to substitute for more than one graduation requirement can only be used by a student to substitute for one (1) graduation requirement course.</p> <p>² A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.</p> <p>³ May be taught for up to 6 credits per year, including the summer term.</p> <p>⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.</p>				

Digital Technology

Web Design

Year 1	Year 2	Year 3	Year 4
Computer Science Foundations (C10H11) ¹	Web Design Foundations ² (C10H16)	Web Site Development (C10H17)	Web Design Practicum ³ (C10H18) -or- WBL Web Design Career Practicum ⁴ (C10H43)

Dual Enrollment Web Design ⁵

DE I (C10H03)	DE II (C10H30)	DE III (C10H38)	DE IV (C10H39)	DE V (C10H62)
DE VI (C10H63)	DE VII (C10H64)	DE VIII (C10H65)	DE IX (C10H66)	DE X (C10H67)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May count for a computer science course, a 3rd lab science credit, or a 4th math credit for the graduation requirement. A course approved to substitute for more than one graduation requirement can only be used by a student to substitute for one (1) graduation requirement course.

² Satisfies the one fine arts credit required for graduation.

³ A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

⁴ May be taught for up to 6 credits per year, including the summer term.

⁵ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Education

Early Childhood Education Careers

Year 1	Year 2	Year 3	Year 4
Early Childhood Education Careers I (C32H06)	Early Childhood Education Careers II (C32H07)	Early Childhood Education Careers III (C32H08)	Early Childhood Education Careers Practicum (C32H09) -or- Foundational Literacy Practicum (C32H37) -or- SDC Introduction to Education (C32H28) -or- WBL Early Childhood Education Career Practicum ¹ (C32H34)

Dual Enrollment Early Childhood Education Careers ²

DE I (C32H10)	DE II (C32H18)	DE III (C32H22)	DE IV (C32H23)	DE V (C32H43)
DE VI (C32H44)	DE VII (C32H45)	DE VIII (C32H46)	DE IX (C32H47)	DE X (C32H48)

Available courses for elective credit in this cluster:

- **Lifespan Development** (C19H17) can be offered in addition to courses within the Early Childhood Education Careers program of study but does not count towards concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Education

Educational Guidance and Social Services

Year 1	Year 2	Year 3	Year 4	
Educational Guidance and Social Services I (C32H29)	Educational Guidance and Social Services II (C32H30)	Educational Guidance and Social Services III (C32H31)	Educational Guidance and Social Services Practicum (C32H32) -or- WBL Educational Guidance and Social Services Career Practicum ¹ (C32H35)	
Dual Enrollment Educational Guidance and Social Services ²				
DE I (C32H16)	DE II (C32H19)	DE III (C32H24)	DE IV (C32H25)	DE V (C32H49)
DE VI (C32H50)	DE VII (C32H51)	DE VIII (C32H52)	DE IX (C32H53)	DE X (C32H54)
Available courses for elective credit in this cluster:				
<ul style="list-style-type: none"> Lifespan Development (C19H17) can be offered in addition to courses within the Educational Guidance and Social Services program of study but does not count towards concentrator status. JAG TN Course I (C25H20), JAG TN Course II (C25H21), JAG TN Course III (C25H22), and JAG TN Course IV (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status. Preparing for the ACT, Postsecondary, and Career (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status. 				
Footnotes				
<p>¹ May be taught for up to 6 credits per year, including the summer term.</p> <p>² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.</p>				

Education

Teaching as a Profession (PK-12)

Year 1	Year 2	Year 3	Year 4
Introduction to Teaching as a Profession (C32H33)	Teaching as a Profession I (C32H01)	Teaching as a Profession II (C32H02)	Teaching as a Profession Practicum ¹ (C32H03) -or- Foundational Literacy Practicum (C32H37) -or- Mathematics Pedagogy and Core Principles Practicum (C32H61) -or- SDC Introduction to Education (C32H28) -or- WBL Teaching as a Profession (PK-12) Career Practicum ² (C32H36)

Dual Enrollment Teaching as a Profession (PK-12) ³

DE I (C32H04)	DE II (C32H05)	DE III (C32H26)	DE IV (C32H27)	DE V (C32H55)
DE VI (C32H56)	DE VII (C32H57)	DE VIII (C32H58)	DE IX (C32H59)	DE X (C32H60)

Available courses for elective credit in this cluster:

- **Lifespan Development** (C19H17) can be offered in addition to courses within the Teaching as a Profession (PK-12) program of study but does not count towards concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

² May be taught for up to 6 credits per year, including the summer term.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Energy and Sustainable Resources

Clean Energy

Year 1	Year 2	Year 3	Year 4
Foundations of Energy (C33H00)	Fundamentals of Clean Energy (C33H01)	Fundamentals of Nuclear Energy (C33H02)	Energy Practicum (C33H03) -or- WBL Energy Career Practicum ¹ (C33H04)

Dual Enrollment Clean Energy ²

DE I (C33H05)	DE II (C33H06)	DE III (C33H07)	DE IV (C33H08)	DE V (C33H09)
DE VI (C33H10)	DE VII (C33H11)	DE VIII (C33H12)	DE IX (C33H13)	DE X (C33H14)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Energy and Sustainable Resources

Ecological Research and Conservation

Year 1	Year 2	Year 3	Year 4
Introduction to Ecology and Conservation (C33H15)	Conservation Strategies (C33H16)	Advanced Ecology and Conservation (C33H17)	Ecological Research and Conservation Practicum (C33H18) -or- WBL Ecological Research and Conservation Career Practicum ¹ (C33H19)

Dual Enrollment Ecological Research and Conservation ²

DE I (C33H20)	DE II (C33H21)	DE III (C33H22)	DE IV (C33H23)	DE V (C33H24)
DE VI (C33H25)	DE VII (C33H26)	DE VIII (C33H27)	DE IX (C33H28)	DE X (C33H29)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Financial Services

Banking and Finance

Year 1	Year 2	Year 3	Year 4
Introduction to Business & Marketing (C12H26)	Accounting I (C29H00)	Banking & Finance (C29H03)	Financial Planning (C29H02) -or- WBL Banking and Finance Career Practicum ¹ (C29H17)

Dual Enrollment Banking & Finance ²

DE I (C29H09)	DE II (C29H10)	DE III (C29H14)	DE IV (C29H15)	DE V (C29H24)
DE VI (C29H25)	DE VII (C29H26)	DE VIII (C29H27)	DE IX (C29H28)	DE X (C29H29)

Available courses for elective credit in this cluster:

- **Personal Finance** (C29H11) is a course required for graduation but does not count toward concentrator status in a program of study.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Healthcare and Human Services

Barbering

Year 1	Year 2	Year 3	Year 4
Barbering I (C19H09)	Barbering II (C19H10)	Barbering III (C19H11) -or- Entrepreneurship ^{1&2} (C31H05)	Barbering IV (C19H63) -or- WBL Barbering Career Practicum ³ (C19H36)

Dual Enrollment Barbering ⁴

DE I (C19H05)	DE II (C19H24)	DE III (C19H29)	DE IV (C19H30)	DE V (C19H45)
DE VI (C19H46)	DE VII (C19H47)	DE VIII (C19H48)	DE IX (C19H49)	DE X (C19H50)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ Satisfies ½ credit of Economics required for graduation.
- ² Satisfies ½ credit of Personal Finance required for graduation.
- ³ May be taught for up to 6 credits per year, including the summer term.
- ⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Healthcare and Human Services

Behavioral Health

Year 1	Year 2	Year 3	Year 4
Health Science Education (C14H14)	Anatomy & Physiology ¹ (C14H09)	Behavioral Health (C14H79)	Behavioral Health Practicum (C14H80) -or- WBL Behavioral Health Career Practicum ² (C14H91)

Dual Enrollment Behavioral Health ³

DE I (C14H81)	DE II (C14H82)	DE III (C14H83)	DE IV (C14H84)	DE V (C14H85)
DE VI (C14H86)	DE VII (C14H87)	DE VIII (C14H88)	DE IX (C14H89)	DE X (C14H90)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies the third lab science credit for graduation.

² May be taught for up to 6 credits per year, including the summer term.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Healthcare and Human Services

BioSTEM

Year 1	Year 2	Year 3	Year 4
BioSTEM I ¹ (C21H07)	BioSTEM II ¹ (C21H08)	BioSTEM III ¹ (C21H09)	BioSTEM Practicum (C21H10) -or- WBL BioSTEM Career Practicum ² (C21H46)

Dual Enrollment BioSTEM ³

DE I (C21H37)	DE II (C21H38)	DE III (C21H39)	DE IV (C21H40)	DE V (C21H55)
DE VI (C21H56)	DE VII (C21H57)	DE VIII (C21H58)	DE IX (C21H59)	DE X (C21H60)

Available courses for elective credit in this cluster:

- **Introduction to Geographical Information Systems (GIS)** (C18H39) is a supplemental course that can be offered in addition to courses within the BioSTEM program of study but does not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies the third lab science credit required for graduation.

² May be taught for up to 6 credits per year, including the summer term.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Healthcare and Human Services

Cosmetology

Year 1	Year 2	Year 3	Year 4
Cosmetology I (C19H12)	Cosmetology II (C19H14)	Cosmetology III (C19H13)	Cosmetology IV (C19H21) -or- WBL Cosmetology Career Practicum ¹ (C19H35)

Dual Enrollment Cosmetology ²

DE I (C19H04)	DE II (C19H23)	DE III (C19H27)	DE IV (C19H28)	DE V (C19H39)
DE VI (C19H40)	DE VII (C19H41)	DE VIII (C19H42)	DE IX (C19H43)	DE X (C19H44)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Healthcare and Human Services

Diagnostic Services

Year 1	Year 2	Year 3	Year 4
Health Science Education (C14H14)	Anatomy & Physiology ¹ (C14H09)	Diagnostic Medicine (C14H12)	Cardiovascular Services (C14H18) -or- Clinical Internship ² (C14H11) -or- WBL Diagnostic Services Career Practicum ³ (C14H19)

Dual Enrollment Diagnostic Services ⁴

DE I (C14H02)	DE II (C14H26)	DE III (C14H37)	DE IV (C14H38)	DE V (C14H49)
DE VI (C14H50)	DE VII (C14H51)	DE VIII (C14H52)	DE IX (C14H53)	DE X (C14H54)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies the third lab science credit for graduation.

² A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

³ May be taught for up to 6 credits per year, including the summer term.

⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Healthcare and Human Services

Dietetics and Nutrition

Healthcare and Human Services				
Dietetics and Nutrition				
Year 1	Year 2	Year 3	Year 4	
Introduction to Human Studies (C19H19)	Nutrition Across the Lifespan (C19H15)	Nutrition Science & Diet Therapy ¹ (C19H16)	Human Services Practicum (C19H20) -or- WBL Dietetics and Nutrition Career Practicum ² (C19H37)	
Dual Enrollment Dietetics & Nutrition ³				
DE I (C19H03)	DE II (C19H22)	DE III (C19H31)	DE IV (C19H32)	DE V (C19H51)
DE VI (C19H52)	DE VII (C19H53)	DE VIII (C19H54)	DE IX (C19H55)	DE X (C19H56)
Available courses for elective credit in this cluster:				
<ul style="list-style-type: none"> • JAG TN Course I (C25H20), JAG TN Course II (C25H21), JAG TN Course III (C25H22), and JAG TN Course IV (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status. • Preparing for the ACT, Postsecondary, and Career (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status. 				
Footnotes				
<p>¹ Satisfies the third lab science credit for graduation.</p> <p>² May be taught for up to 6 credits per year, including the summer term.</p> <p>³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.</p>				

Healthcare and Human Services

Emergency Services

Year 1	Year 2	Year 3	Year 4
Health Science Education (C14H14)	Anatomy & Physiology ¹ (C14H09)	Medical Therapeutics (C14H15)	Emergency Medical Services ¹ (C14H13) -or- Emergency Medical Services Practicum ² (C14H24) -or- WBL Emergency Services Career Practicum ³ (C14H45)

Dual Enrollment Emergency Services ⁴

DE I (C14H04)	DE II (C14H29)	DE III (C14H35)	DE IV (C14H36)	DE V (C14H55)
DE VI (C14H56)	DE VII (C14H57)	DE VIII (C14H58)	DE IX (C14H59)	DE X (C14H60)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies the third lab science credit for graduation.

² A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

³ May be taught for up to 6 credits per year, including the summer term.

⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Healthcare and Human Services

Human and Social Sciences

Year 1	Year 2	Year 3	Year 4
Introduction to Human Studies (C19H19)	Lifespan Development (C19H17)	Family Studies (C19H18)	Human Services Practicum (C19H20) -or- WBL Human and Social Sciences Career Practicum ¹ (C19H38)

Dual Enrollment Human & Social Sciences ²

DE I (C19H02)	DE II (C19H26)	DE III (C19H33)	DE IV (C19H34)	DE V (C19H57)
DE VI (C19H58)	DE VII (C19H59)	DE VIII (C19H60)	DE IX (C19H61)	DE X (C19H62)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Healthcare and Human Services

Nursing Services

Year 1	Year 2	Year 3	Year 4
Health Science Education (C14H14)	Anatomy & Physiology ¹ (C14H09)	Medical Therapeutics (C14H15)	Nursing Education ² (C14H16) -or- Clinical Internship ² (C14H11) -or- WBL Nursing Services Career Practicum ³ (C14H46)

Dual Enrollment Nursing Services ⁴

DE I (C14H03)	DE II (C14H27)	DE III (C14H33)	DE IV (C14H34)	DE V (C14H61)	DE VI (C14H62)
DE VII (C14H63)	DE VIII (C14H64)	DE IX (C14H65)	DE X (C14H66)	DE XI (C14H93)	DE XII (C14H94)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies the third lab science credit for graduation.

² A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

³ May be taught for up to 6 credits per year, including the summer term.

⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Healthcare and Human Services

Sport and Human Performance

Year 1	Year 2	Year 3	Year 4
Health Science Education (C14H14)	Anatomy & Physiology ¹ (C14H09)	Rehabilitation Careers (C14H08)	Exercise Science (C14H22) -or- Clinical Internship ² (C14H11) -or- WBL Sport and Human Performance Career Practicum ³ (C14H47)

Dual Enrollment Sport and Human Performance ⁴

DE I (C14H39)	DE II (C14H40)	DE III (C14H41)	DE IV (C14H42)	DE V (C14H67)
DE VI (C14H68)	DE VII (C14H69)	DE VIII (C14H70)	DE IX (C14H71)	DE X (C14H72)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ Satisfies the third lab science credit for graduation.
- ² A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.
- ³ May be taught for up to 6 credits per year, including the summer term.
- ⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Healthcare and Human Services

Therapeutic Services

Year 1	Year 2	Year 3	Year 4
Health Science Education (C14H14)	Anatomy & Physiology ¹ (C14H09)	Dental Science (C14H21) -or- Pharmacological Sciences (C14H20) -or- Nutrition Science & Diet Therapy ¹ (C19H16) -or- Medical Therapeutics (C14H15) -or- Medical Assisting (C14H10)	Clinical Internship ² (C14H11) -or- WBL Therapeutic Services Career Practicum ³ (C14H48)

Dual Enrollment Therapeutic Services ⁴

DE I (C14H05)	DE II (C14H28)	DE III (C14H43)	DE IV (C14H44)	DE V (C14H73)
DE VI (C14H74)	DE VII (C14H75)	DE VIII (C14H76)	DE IX (C14H77)	DE X (C14H78)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies the third lab science credit for graduation.

² A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

³ May be taught for up to 6 credits per year, including the summer term.

⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Hospitality & Events

Culinary Arts

Year 1	Year 2	Year 3	Year 4
Culinary Arts I (C16H06)	Culinary Arts II (C16H07)	Culinary Arts III (C16H08)	Culinary Arts IV (C16H09) -or- WBL Culinary Arts Career Practicum ¹ (C16H21)

Dual Enrollment Culinary Arts²

DE I (C16H01)	DE II (C16H14)	DE III (C16H20)	DE IV (C16H11)	DE V (C16H23)
DE VI (C16H24)	DE VII (C16H25)	DE VIII (C16H26)	DE IX (C16H27)	DE X (C16H28)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Hospitality & Events

Hospitality and Tourism Management

Year 1	Year 2	Year 3	Year 4
Hospitality & Tourism Management I (C16H17)	Hospitality & Tourism Management II (C16H18)	Hospitality & Tourism Management III (C16H19)	Event Planning & Management (C16H12) -or- WBL Hospitality and Tourism Management Career Practicum ¹ (C16H22)

Dual Enrollment Hospitality & Tourism Management ²

DE I (C16H02)	DE II (C16H15)	DE III (C16H10)	DE IV (C16H13)	DE V (C16H29)
DE VI (C16H30)	DE VII (C16H31)	DE VIII (C16H32)	DE IX (C16H33)	DE X (C16H34)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Management & Entrepreneurship

Accounting

Year 1	Year 2	Year 3	Year 4
Introduction to Business & Marketing (C12H26)	Accounting I (C29H00)	Accounting II (C29H01) -or- SDC Introductory Statistics (G02H75)	Financial Planning (C29H02) -or- WBL Accounting Career Practicum ¹ (C29H16)

Dual Enrollment Accounting ²

DE I (C29H05)	DE II (C29H07)	DE III (C29H12)	DE IV (C29H13)	DE V (C29H18)
DE VI (C29H19)	DE VII (C29H20)	DE VIII (C29H21)	DE IX (C29H22)	DE X (C29H23)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Management & Entrepreneurship

Business Management and Administration

Year 1	Year 2	Year 3	Year 4
Introduction to Business & Marketing (C12H26) -or- Principles of Office Applications (C12H84) -or- Health Science Education (C14H14)	Business Communications (C12H16) -or- Health Information Technology (C12H34) -or- Accounting I (C29H00)	Business Management ¹ (C12H17) -or- SDC Introduction to Business ^{1&2} (C12H44)	Business & Entrepreneurship Practicum (C12H35) -or- Advanced Office Applications (C12H85) -or- Health Services Administration Practicum (C12H38) -or- WBL Business Management & Administration Career Practicum ³ (C12H61)

Dual Enrollment Business Management & Administration ^{2 & 4}

DE I (C12H01)	DE II (C12H47)	DE III (C12H59)	DE IV (C12H52)	DE V (C12H66)
DE VI (C12H67)	DE VII (C12H68)	DE VIII (C12H69)	DE IX (C12H70)	DE X (C12H71)

Available courses for elective credit in this cluster:

- **American Business Legal Systems** ⁵ (C12H20) and **Business Economics** ² (C12H21) are supplemental courses that can be offered in addition to courses within the Business Management and Administration program of study but do not count toward concentrator status.
- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ Satisfies ½ credit of Personal Finance required for graduation.
- ² Satisfies ½ credit of Economics required for graduation.
- ³ May be taught for up to 6 credits per year, including the summer term.
- ⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.
- ⁵ Satisfies ½ credit of US Government required for graduation.

Management & Entrepreneurship

Entrepreneurship

Year 1	Year 2	Year 3	Year 4
Introduction to Entrepreneurship (C31H23)	Marketing & Management I: Principles ¹ (C31H00)	Entrepreneurship ^{1&2} (C31H05)	Business & Entrepreneurship Practicum (C12H35) -or- WBL Entrepreneurship Career Practicum ³ (C31H29)

Dual Enrollment Entrepreneurship⁴

DE I (C31H12)	DE II (C31H14)	DE III (C31H17)	DE IV (C31H18)	DE V (C31H31)
DE VI (C31H32)	DE VII (C31H33)	DE VIII (C31H34)	DE IX (C31H35)	DE X (C31H36)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ Satisfies ½ credit of Economics required for graduation.
- ² Satisfies ½ credit of Personal Finance required for graduation.
- ³ May be taught for up to 6 credits per year, including the summer term.
- ⁴ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Marketing & Sales

Marketing Management

Year 1	Year 2	Year 3	Year 4
Introduction to Business & Marketing (C12H26)	Marketing & Management I: Principles ¹ (C31H00)	Marketing & Management II: Advanced Strategies (C31H01) -or- Social Media and Analytics (C31H02) -or- SDC Principles of Marketing (C31H27)	Advertising & Public Relations (C31H03) -or- Retail Operations ¹ (C31H04) -or- Event Planning & Management (C16H12) -or- Marketing Management Practicum (C31H49) -or- WBL Marketing Management Career Practicum ² (C31H28)

Dual Enrollment Marketing Management ³

DE I (C31H10)	DE II (C31H11)	DE III (C31H19)	DE IV (C31H20)	DE V (C31H37)
DE VI (C31H38)	DE VII (C31H39)	DE VIII (C31H40)	DE IX (C31H41)	DE X (C31H42)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ Satisfies ½ credit of Economics required for graduation.

² May be taught for up to 6 credits per year, including the summer term.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Marketing & Sales

Marketing Research & Analytics

Year 1	Year 2	Year 3	Year 4
Marketing Research & Analytics I (C31H50)	Marketing Research & Analytics II (C31H51)	Social Media and Analytics (C31H02)	Marketing Management Practicum (C31H49) -or- WBL Marketing Research & Analytics Career Practicum ¹ (C31H52)

Dual Enrollment Marketing Research & Analytics ²

DE I (C31H53)	DE II (C31H54)	DE III (C31H55)	DE IV (C31H56)	DE V (C31H57)
DE VI (C31H58)	DE VII (C31H59)	DE VIII (C31H60)	DE IX (C31H61)	DE X (C31H62)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Supply Chain & Transportation

Automotive Collision Repair

Year 1	Year 2	Year 3	Year 4
Introduction to Collision Repair (C20H20)	Collision Repair: Non-Structural (C20H13)	Collision Repair: Painting & Refinishing (C20H14)	Collision Repair: Damage Analysis, Estimating, and Customer Service (C20H19) -or- WBL Automotive Collision Repair Career Practicum ¹ (C20H35)

Dual Enrollment Automotive Collision Repair ²

DE I (C20H02)	DE II (C20H23)	DE III (C20H24)	DE IV (C20H31)	DE V (C20H43)	DE VI (C20H44)
DE VII (C20H45)	DE VIII (C20H46)	DE IX (C20H47)	DE X (C20H48)	DE XI (C20H55)	DE XII (C20H56)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.
² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Supply Chain & Transportation

Automotive Maintenance and Light Repair

Year 1	Year 2	Year 3	Year 4
Maintenance & Light Repair I (C20H09)	Maintenance & Light Repair II (C20H10)	Maintenance & Light Repair III (C20H11)	Maintenance & Light Repair IV (C20H12) -or- WBL Automotive Maintenance and Light Repair Career Practicum ¹ (C20H34)

Dual Enrollment Automotive Maintenance & Light Repair ²

DE I (C20H01)	DE II (C20H21)	DE III (C20H22)	DE IV (C20H30)	DE V (C20H37)	DE VI (C20H38)	DE VII (C20H39)	DE VIII (C20H40)
DE IX (C20H41)	DE X (C20H42)	DE XI (C20H57)	DE XII (C20H58)	DE XIII (C20H59)	DE XIV (C20H60)	DE XV (C20H61)	DE XVI (C20H62)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ May be taught for up to 6 credits per year, including the summer term.

² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Supply Chain & Transportation

Aviation Flight

Year 1	Year 2	Year 3	Year 4
Introduction to Aerospace (C20H15)	Aviation I: Principles of Flight (C20H16)	Aviation II: Advanced Flight (C20H18)	Unmanned Aircraft Systems Pilot (C20H29) -or- WBL Aviation Flight Career Practicum ¹ (C20H36)

Dual Enrollment Aviation Flight ²

DE I (C20H03)	DE II (C20H28)	DE III (C20H32)	DE IV (C20H33)	DE V (C20H49)
DE VI (C20H50)	DE VII (C20H51)	DE VIII (C20H52)	DE IX (C20H53)	DE X (C20H54)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

- ¹ May be taught for up to 6 credits per year, including the summer term.
² Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Supply Chain & Transportation

Supply Chain Management

Year 1	Year 2	Year 3	Year 4
Introduction to Business & Marketing (C12H26)	Supply Chain Management I: Principles and Foundations (C31H24)	Supply Chain Management II: Warehousing and Distribution (C31H25)	Supply Chain Management III: Management and Logistics (C31H26) -or- Supply Chain Management Practicum ¹ (C31H09) -or- WBL Supply Chain Management Career Practicum ² (C31H30)

Dual Enrollment Supply Chain Management ³

DE I (C31H15)	DE II (C31H16)	DE III (C31H21)	DE IV (C31H22)	DE V (C31H43)
DE VI (C31H44)	DE VII (C31H45)	DE VIII (C31H46)	DE IX (C31H47)	DE X (C31H48)

Available courses for elective credit in this cluster:

- **JAG TN Course I** (C25H20), **JAG TN Course II** (C25H21), **JAG TN Course III** (C25H22), and **JAG TN Course IV** (C25H09) are supplemental courses that can be offered in addition to courses within the programs of study but do not count toward concentrator status.
- **Preparing for the ACT, Postsecondary, and Career** (G25H00) is a supplemental course that can be offered in addition to courses within the programs of study but does not count toward concentrator status.

Footnotes

¹ A student pursuing an Industry 4.0 diploma distinction may substitute their 4th credit of math with this work-based learning course.

² May be taught for 1, 2, or 3 credits.

³ Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.

Middle School

Meta Cluster: Building and Moving				
Career Cluster	Grade 6	Grade 7	Grade 8	Year 1 Course ¹
Advanced Manufacturing	N/A	N/A	N/A	<ul style="list-style-type: none"> Principles of Manufacturing (C13H05) STEM I: Foundations (C21H15) BioSTEM I (C21H07) Principles of Engineering & Technology (C21H04)
Construction	N/A	N/A	N/A	<ul style="list-style-type: none"> Fundamentals of Construction (C17H15) Architectural & Engineering Design I (C17H13)
Supply Chain & Transportation	N/A	N/A	N/A	<ul style="list-style-type: none"> Introduction to Business & Marketing (C12H26)

Meta Cluster: Cultivating Resources				
Career Cluster	Grade 6	Grade 7	Grade 8	Year 1 Course ¹
Agriculture	<ul style="list-style-type: none"> Exploring Agricultural Education (C18X01) 	<ul style="list-style-type: none"> Introduction to Agricultural Education (C18X02) 	<ul style="list-style-type: none"> Introduction to Agricultural Sciences (C18X00) 	N/A
Energy & Sustainable Resources	N/A	N/A	N/A	<ul style="list-style-type: none"> Foundations of Energy (C33H00) Introduction to Ecology and Conservation (C33H15)

Meta Cluster: Improving Society

Career Cluster	Grade 6	Grade 7	Grade 8	Year 1 Course ¹
Education	<ul style="list-style-type: none"> Introduction to Social Health (C19X00) ² 	<ul style="list-style-type: none"> Introduction to Social Health (C19X00) ² 	<ul style="list-style-type: none"> Introduction to Social Health (C19X00) ² 	<ul style="list-style-type: none"> Early Childhood Education Careers I (C32H06) Educational Guidance and Social Services I (C32H29) Introduction to Teaching as a Profession (C32H33)
Healthcare and Human Services	<ul style="list-style-type: none"> Introduction to Social Health (C19X00) ² 	<ul style="list-style-type: none"> Introduction to Social Health (C19X00) ² Introduction to Health Science (C14X00) 	<ul style="list-style-type: none"> Introduction to Social Health (C19X00) ² Introduction to Health Science (C14X00) 	<ul style="list-style-type: none"> Introduction to Human Studies (C19H19) Health Science Education (C14H14)
Civics, Public Service, & Safety	N/A	N/A	N/A	<ul style="list-style-type: none"> Criminal Justice I (C30H00) Principles of Fire and Emergency Services (C30H04)

Meta Cluster: Investing in the Future

Career Cluster	Grade 6	Grade 7	Grade 8	Year 1 Course ¹
Finance	N/A	N/A	<ul style="list-style-type: none"> Computer Applications (C12X00) 	<ul style="list-style-type: none"> Introduction to Business & Marketing (C12H26)

Meta Cluster: Creating and Experience

Career Cluster	Grade 6	Grade 7	Grade 8	Year 1 Course ¹
Arts, Entertainment, & Design	N/A	N/A	<ul style="list-style-type: none"> Computer Applications (C12X00) Exploring Business & Marketing (C12X01) 	<ul style="list-style-type: none"> Digital Arts & Design I (C11H06) A/V Production I (C11H01) Foundations of Fashion Design & Merchandising (C11H17)
Hospitality & Events	N/A	N/A	N/A	<ul style="list-style-type: none"> Hospitality & Tourism Management I (C16H17)

Meta Cluster: Cross-Cutting Sectors				
Career Cluster	Grade 6	Grade 7	Grade 8	Year 1 Course ¹
Digital Technology	N/A	N/A	<ul style="list-style-type: none"> • Computer Applications (C12X00) 	<ul style="list-style-type: none"> • Principles of Manufacturing (C13H05)
Marketing & Sales	N/A	N/A	<ul style="list-style-type: none"> • Computer Applications (C12X00) 	<ul style="list-style-type: none"> • Introduction to Entrepreneurship (C31H23) • Introduction to Business & Marketing (C12H26)
Business Management & Administration	N/A	<ul style="list-style-type: none"> • Exploring Business & Marketing (C12X01) 	<ul style="list-style-type: none"> • Computer Applications (C12X00) 	<ul style="list-style-type: none"> • Introduction to Business & Marketing (C12H26) • Principles of Office Applications (C12H84)

Course	Career Custer	Grade 6	Grade 7	Grade 8
STEM Explorers (C25600)	All	X		
STEM Innovators (C25701)	All		X	
STEM Designers (C25801)	All			X
Career Awareness (C25X06)	All	X		
Career Exploration (C25X07)	All		X	
Career Advising and Planning (C25X08)	All			X

¹ Year one (1) Career and Technical Education (CTE) courses in grades six (6) through nine (9). (a) A teacher of year one (1) CTE courses shall hold a valid Tennessee teacher license with an endorsement to teach at least through grade eight (8) and shall meet the following requirements: 1. Successfully complete a Department-approved training with a minimum of seven (7) clock hours of training on the implementation of CTE standards; and 2. The CTE course is offered for students in grades six (6) through nine (9)

² Introduction to Social Health may also be used with 5th-grade students (C19X00).

Appendix A

Course Code	Course Name	Aligned Program of Study	Footnotes
C14H31	DE Medical Terminology	<ul style="list-style-type: none"> • Behavioral Health • Diagnostic Services • Emergency Services • Nursing Services • Sport and Human Performance • Therapeutic Services 	<ul style="list-style-type: none"> • Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.
C14H32	DE Medical Assisting	<ul style="list-style-type: none"> • Therapeutic Services 	<ul style="list-style-type: none"> • Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4.
G01H17	AP English Language & Composition	<ul style="list-style-type: none"> • Audio/Visual Production 	<ul style="list-style-type: none"> • Course may substitute for English III or English IV. • Year 4 course • Counts towards concentrator status.
G02H24	AP Calculus AB	<ul style="list-style-type: none"> • Advanced STEM Applications • Architectural & Engineering Design 	<ul style="list-style-type: none"> • Satisfies the fourth math credit required for graduation. • Year 4 course • Counts towards concentrator status.
G02H25	AP Calculus BC	<ul style="list-style-type: none"> • Advanced STEM Applications • Architectural & Engineering Design 	<ul style="list-style-type: none"> • Satisfies the fourth math credit required for graduation. • Year 4 course • Counts towards concentrator status.
G02H26	AP Statistics	<ul style="list-style-type: none"> • Accounting 	<ul style="list-style-type: none"> • Satisfies the fourth math credit required for graduation. • Year 4 course • Counts towards concentrator status.
G02H37	Statistics	<ul style="list-style-type: none"> • Accounting 	<ul style="list-style-type: none"> • Year 4 course • Counts towards concentrator status.
G02H44	AP Computer Science Principles	<ul style="list-style-type: none"> • Engineering • Robotics & Technology • Advanced STEM Applications • Coding • Cybersecurity • Data Science • Web Design 	<ul style="list-style-type: none"> • May count for a computer science course, a 3rd lab science credit, or a 4th math credit for the graduation requirement. A course approved to substitute for more than one graduation requirement can only be used by a student to substitute for one (1) graduation requirement course. • Year 3 course • Counts towards concentrator status.

Course Code	Course Name	Aligned Program of Study	Footnotes
G02H45	AP Computer Science A	<ul style="list-style-type: none"> • Engineering • Robotics & Technology • Advanced STEM Applications • Coding 	<ul style="list-style-type: none"> • May count for a computer science course, a 3rd lab science credit, or a 4th math credit for the graduation requirement. A course approved to substitute for more than one graduation requirement can only be used by a student to substitute for one (1) graduation requirement course. • Year 4 course • Counts towards concentrator status.
G03H03	Biology I	<ul style="list-style-type: none"> • BioSTEM 	<ul style="list-style-type: none"> • Year 2 course • Counts towards concentrator status.
G03H10	AP Biology	<ul style="list-style-type: none"> • Advanced STEM Applications 	<ul style="list-style-type: none"> • Satisfies the third lab science credit for graduation. • Year 4 course • Counts towards concentrator status.
G03H16	AP Chemistry	<ul style="list-style-type: none"> • Advanced STEM Applications 	<ul style="list-style-type: none"> • Satisfies the third lab science credit for graduation. • Year 4 course • Counts towards concentrator status.
G03H24	AP Physics C: Electricity & Magnetism	<ul style="list-style-type: none"> • Engineering • Robotics & Technology • Advanced STEM Applications • Architectural & Engineering Design 	<ul style="list-style-type: none"> • Satisfies the fourth math credit required for graduation. • Satisfies the third lab science credit for graduation. • Year 4 course • Counts towards concentrator status.
G03H25	AP Environmental Science	<ul style="list-style-type: none"> • Environmental and Natural Resource Management 	<ul style="list-style-type: none"> • Satisfies the third lab science credit for graduation. • Year 4 course • Counts towards concentrator status.
G03H27	AP Physics I: Algebra-Based	<ul style="list-style-type: none"> • Engineering • Robotics & Technology • Advanced STEM Applications • Architectural & Engineering Design 	<ul style="list-style-type: none"> • Satisfies the fourth math credit required for graduation. • Satisfies the third lab science credit for graduation. • Year 4 course • Counts towards concentrator status.
G03H28	AP Physics II: Algebra-Based	<ul style="list-style-type: none"> • Engineering • Robotics & Technology • Advanced STEM Applications • Architectural & Engineering Design 	<ul style="list-style-type: none"> • Satisfies the fourth math credit required for graduation. • Satisfies the third lab science credit for graduation. • Year 4 course • Counts towards concentrator status.

Course Code	Course Name	Aligned Program of Study	Footnotes
G03H29	AP Physics C: Mechanics	<ul style="list-style-type: none"> • Engineering • Robotics & Technology • Advanced STEM Applications • Architectural & Engineering Design 	<ul style="list-style-type: none"> • Satisfies the fourth math credit required for graduation. • Satisfies the third lab science credit for graduation. • Year 4 course • Counts towards concentrator status.
G03H31	Human Anatomy & Physiology	<ul style="list-style-type: none"> • Behavioral Health • Diagnostic Services • Emergency Services • Nursing Services • Sport and Human Performance • Therapeutic Services 	<ul style="list-style-type: none"> • Satisfies the third lab science credit for graduation. • Year 2 or 3 course • Counts towards concentrator status.
G03H34	IB Environmental Systems & Societies II SL	<ul style="list-style-type: none"> • Environmental and Natural Resource Management 	<ul style="list-style-type: none"> • Satisfies the third lab science credit for graduation. • Year 4 course • Counts towards concentrator status.
G03H36	IB Environmental Systems & Societies I SL	<ul style="list-style-type: none"> • Environmental and Natural Resource Management 	<ul style="list-style-type: none"> • Satisfies the third lab science credit for graduation. • Year 3 course • Counts towards concentrator status.
G03H39	IB Sports, Exercise, & Health Science I SL/HL	<ul style="list-style-type: none"> • Sport and Human Performance 	<ul style="list-style-type: none"> • Year 3 course • Counts towards concentrator status.
G03H40	IB Sports, Exercise, & Health Science II SL/HL	<ul style="list-style-type: none"> • Sport and Human Performance 	<ul style="list-style-type: none"> • Year 4 course • Counts towards concentrator status.
G03H43	DE Human Anatomy & Physiology I	<ul style="list-style-type: none"> • Diagnostic Services • Emergency Services • Nursing Services • Sport and Human Performance • Therapeutic Services 	<ul style="list-style-type: none"> • Satisfies the third lab science credit for graduation. • Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4. • Counts towards concentrator status
G03H44	DE Human Anatomy & Physiology II	<ul style="list-style-type: none"> • Diagnostic Services • Emergency Services • Nursing Services • Sport and Human Performance 	<ul style="list-style-type: none"> • Satisfies the third lab science credit for graduation. • Dual Enrollment (DE) courses can be taken in Year 1, Year 2, Year 3, or Year 4. • Counts towards concentrator status

Course Code	Course Name	Aligned Program of Study	Footnotes
		<ul style="list-style-type: none"> • Therapeutic Services 	
G03H69	IB Biology II SL/HL	<ul style="list-style-type: none"> • Advanced STEM Applications 	<ul style="list-style-type: none"> • Satisfies the third lab science credit for graduation. • Year 4 course • Counts towards concentrator status.
G03H82	IB Physics II SL	<ul style="list-style-type: none"> • Engineering • Robotics & Technology • Advanced STEM Applications • Architectural & Engineering Design 	<ul style="list-style-type: none"> • Satisfies the third lab science credit for graduation. • Year 4 course • Counts towards concentrator status.
G04H14	Sociology	<ul style="list-style-type: none"> • Dietetics and Nutrition • Human and Social Sciences 	<ul style="list-style-type: none"> • Year 4 course • Counts towards concentrator status.
G04H15	Psychology	<ul style="list-style-type: none"> • Dietetics and Nutrition • Human and Social Sciences 	<ul style="list-style-type: none"> • Year 4 course • Counts towards concentrator status.
G04H26	AP U.S. Government & Politics	<ul style="list-style-type: none"> • Pre-Law 	<ul style="list-style-type: none"> • Pre-Law I, II, and III satisfies the graduation requirement for U.S. Government and Civics for students who complete all three courses. • Year 4 course • Counts towards concentrator status.
G04H65	IGCSE Sociology	<ul style="list-style-type: none"> • Human and Social Sciences 	<ul style="list-style-type: none"> • Year 3 course • Counts towards concentrator status.
G05H29	AP 3-D Art and Design	<ul style="list-style-type: none"> • Digital Arts & Design 	<ul style="list-style-type: none"> • Satisfies the one fine arts credit required for graduation. • Year 4 course • Counts towards concentrator status.
G05H30	AP 2-D Art and Design	<ul style="list-style-type: none"> • Digital Arts & Design 	<ul style="list-style-type: none"> • Satisfies the one fine arts credit required for graduation. • Year 4 course • Counts towards concentrator status.
G35H00	CIE Design & Technology 1 AS Level	<ul style="list-style-type: none"> • Engineering 	<ul style="list-style-type: none"> • Year 4 course • Counts towards concentrator status.
G35H01	IGCSE Computer Science	<ul style="list-style-type: none"> • Coding 	<ul style="list-style-type: none"> • Year 1 course • Counts towards concentrator status. • May count for a computer science course, a 3rd lab science credit, or a 4th math credit for the graduation requirement. A

Course Code	Course Name	Aligned Program of Study	Footnotes
			course approved to substitute for more than one graduation requirement can only be used by a student to substitute for one (1) graduation requirement course.
G35H02	CIE Computer Science 1 AS Level	<ul style="list-style-type: none"> • Coding 	<ul style="list-style-type: none"> • Year 4 course • Counts towards concentrator status. • May count for a computer science course, a 3rd lab science credit, or a 4th math credit for the graduation requirement. A course approved to substitute for more than one graduation requirement can only be used by a student to substitute for one (1) graduation requirement course.
G35H03	IGCSE Information and Communication Technology	<ul style="list-style-type: none"> • Web Design 	<ul style="list-style-type: none"> • Year 1 course • Counts towards concentrator status.
G35H04	CIE Art & Design: Fashion & Design AS Level	<ul style="list-style-type: none"> • Fashion Merchandising 	<ul style="list-style-type: none"> • Year 3 course • Counts towards concentrator status.
G35H05	CIE Business Studies 1 AS Level	<ul style="list-style-type: none"> • Business Management and Administration 	<ul style="list-style-type: none"> • Year 3 course • Counts towards concentrator status.
G35H06	IGCSE Travel & Tourism	<ul style="list-style-type: none"> • Hospitality and Tourism Management 	<ul style="list-style-type: none"> • Year 1 course • Counts towards concentrator status.
G35H07	CIE Travel & Tourism 1 AS Level	<ul style="list-style-type: none"> • Hospitality and Tourism Management 	<ul style="list-style-type: none"> • Year 2 course • Counts towards concentrator status.
G35H08	IGCSE Environmental Management	<ul style="list-style-type: none"> • Environmental and Natural Resource Management 	<ul style="list-style-type: none"> • Year 2 course • Counts towards concentrator status.
G35H09	IGCSE Food & Nutrition	<ul style="list-style-type: none"> • Dietetics and Nutrition 	<ul style="list-style-type: none"> • Year 2 course • Counts towards concentrator status.
G35H10	IGCSE Design & Technology	<ul style="list-style-type: none"> • Engineering 	<ul style="list-style-type: none"> • Year 2 course • Counts towards concentrator status.
G35H11	CIE Accounting 1 AS Level	<ul style="list-style-type: none"> • Accounting 	<ul style="list-style-type: none"> • Year 3 course • Counts towards concentrator status.
G35H12	IGCSE Accounting	<ul style="list-style-type: none"> • Banking and Finance • Accounting • Business Management and Administration 	<ul style="list-style-type: none"> • Year 2 course • Counts towards concentrator status.

Course Code	Course Name	Aligned Program of Study	Footnotes
G35H13	IGCSE Enterprise	<ul style="list-style-type: none">• Entrepreneurship	<ul style="list-style-type: none">• Year 3 course• Counts towards concentrator status.