

# Drafting Technology (DT12)

## Diploma eMap

This eMap, along with regular meetings with your program advisor and using DegreeWorks, will help you remain on track to finish your program as quickly as possible and graduate from Georgia Northwestern Technical College. This eMap is intended to be used when beginning the program in Fall semester. Starting the program in Spring or Summer semesters may alter the suggested courses or course availability. This pathway is based on the 2024-2025 academic year.



### DRAFTING TECHNOLOGY DIPLOMA - MECHANICAL DRAFTING SPECIALIZATION

Please note: Students seeking the Drafting Technology Diploma with the Mechanical Specialization should follow this course pathway. See page 2 for Architectural Drafting Specialization eMap.

1 <sup>st</sup> set of suggested courses			
Course		Hours	Completed
DFTG 1101	CAD Fundamentals	4	<input type="checkbox"/>
DFTG xxxx	Occupational Related Elective (Recommended course: DFTG 2010, Engineering Graphics)	4	<input type="checkbox"/>
ENGL 1005	Applied Technical Communication	3	<input type="checkbox"/>

2 <sup>nd</sup> set of suggested courses			
Course		Hours	Completed
DFTG 1103	Multiview/Basic Dimensioning	4	<input type="checkbox"/>
DFTG 1105	3D Mechanical Modeling	4	<input type="checkbox"/>
MATH 1012	Foundations of Mathematics	3	<input type="checkbox"/>

*MATH 1012 is the recommended course. Additional courses may be available that meet this requirement. See Course Catalog for more info.*

3 <sup>rd</sup> set of suggested courses			
Course		Hours	Completed
DFTG 1015	Practical Mathematics for Drafting Technology	3	<input type="checkbox"/>
DFTG xxxx	Guided Occupational Elective (Recommended course: DFTG 2020, Visualization and Graphics; Contact Program Advisor for alternative occupational elective options)	3	<input type="checkbox"/>

*DFTG 1015 is the recommended course. Additional courses may be available that meet this requirement. See Course Catalog for more info.*

4 <sup>th</sup> set of suggested courses			
Course		Hours	Completed
DFTG 1107	Advanced Dimensioning/Sectional Views (Prerequisite DFTG 1103)	4	<input type="checkbox"/>
DFTG 1109	Auxiliary Views/Surface Development	4	<input type="checkbox"/>

5 <sup>th</sup> set of suggested courses			
Course		Hours	Completed
DFTG 1111	Fasteners	4	<input type="checkbox"/>
DFTG 1113	Assembly Drawings	4	<input type="checkbox"/>
EMPL 1000	Interpersonal Relations and Professional Development	2	<input type="checkbox"/>

**Total Credit Hours: 46 Minimum Credit Hours Required for Graduation**

#### Drafting Technology Diploma (Mechanical Drafting Specialization) Program Planning Notes:

- Courses for this Diploma are offered at the Walker County Campus.
- Occupational Electives: Contact Program Advisor for alternative occupational elective options.
- If courses are taken in the suggested order, student will earn the following Certificates:
  - 1) Drafter's Assistant (DA31) Certificate will be earned at the end of the 2<sup>nd</sup> set.
  - 2) CAD Operator Mechanical (CP61) Certificate at the end of the 4<sup>th</sup> set.

Additional information for the Drafting Technology Diploma and program requirements can be found at [GNTC 2024-2025 Catalog](#).

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## Diploma eMap

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### DRAFTING TECHNOLOGY DIPLOMA - ARCHITECTURAL DRAFTING SPECIALIZATION

Please note: Students seeking the Drafting Technology Diploma with the Architectural Specialization should follow this course pathway.

1 <sup>st</sup> set of suggested courses			
Course		Hours	Completed
DFTG 1101	CAD Fundamentals	4	<input type="checkbox"/>
DFTG xxxx	Occupational Related Elective (Recommended course: DFTG 2010, Engineering Graphics)	4	<input type="checkbox"/>
ENGL 1005	Applied Technical Communication	3	<input type="checkbox"/>

2 <sup>nd</sup> set of suggested courses			
Course		Hours	Completed
DFTG 1103	Multiview/Basic Dimensioning	4	<input type="checkbox"/>
DFTG 1125	Architectural Fundamentals	4	<input type="checkbox"/>
MATH 1012	Foundations of Mathematics	3	<input type="checkbox"/>

*MATH 1012 is the recommended course. Additional courses may be available that meet this requirement. See Course Catalog for more info.*

3 <sup>rd</sup> set of suggested courses			
Course		Hours	Completed
DFTG 1015	Practical Mathematics for Drafting Technology	3	<input type="checkbox"/>

*DFTG 1015 is the recommended course. Additional courses may be available that meet this requirement. See Course Catalog for more info.*

4 <sup>th</sup> set of suggested courses			
Course		Hours	Completed
DFTG 1127	Architectural 3D Modeling	4	<input type="checkbox"/>
DFTG 1129	Residential Drawing I	4	<input type="checkbox"/>
DFTG xxxx	Guided Occupational Elective (Recommended course: DFTG 1109, Auxiliary Views/Surface Development)	4	<input type="checkbox"/>

5 <sup>th</sup> set of suggested courses			
Course		Hours	Completed
DFTG 1131	Residential Drawing II	4	<input type="checkbox"/>
DFTG 1133	Commercial Drawing I	4	<input type="checkbox"/>
EMPL 1000	Interpersonal Relations and Professional Development	2	<input type="checkbox"/>

**Total Credit Hours: 46 Minimum Credit Hours Required for Graduation**

### Drafting Technology Diploma (Architectural Drafting Specialization) Program Planning

#### Notes:

- Occupational Electives: Contact Program Advisor for alternative occupational elective options.
- If courses are taken in the suggested order, student will earn the following Certificates:
  - 1) Drafter's Assistant (DA31) Certificate will be earned at the end of the 2<sup>nd</sup> set.
  - 2) CAD Operator Mechanical (CP61) Certificate at the end of the 4<sup>th</sup> set, if DFTG 1109 is completed.

Additional information for the Drafting Technology Diploma and program requirements can be found at [GNTC 2024-2025 Catalog](#).