

Alexandria Technical and Community College
Articulation College Credit Agreement with
Northeast Metro 916 Career & Technical Center

Alexandria Technical & Community College (ATCC) and Northeast Metro 916 Career & Technical Center (NE Metro 916) enter into the following Articulated College Credit (ACC) agreement:

Students in grades ten through twelve who successfully complete the high school equivalent course with a grade of B or better qualify for the ACC transfer credit. The grade in the high school course will be transferred to ATCC when the student enrolls at the college **and if the course is applicable to their major**. The transfer of credit is valid for five years. (Upon completion of the high school course(s), the students with a grade of B or better will need to present certificate to the college registrar at the time of enrollment.)

In addition, ATCC and NE Metro 916 agree that no changes will be made in the course content without notification of the program faculty (ATCC faculty and NE Metro 916), and the administration of both schools.

This agreement will be reviewed every two years, unless the college or school district requests an earlier review as a result of curriculum or faculty change.

High School equivalent Course	College Course
Construction Occupations I and II	CARP1510 Framing and Construction I (3 credits) CARP1621 Shop I (3 credits) CARP1630 Tool Safety (2 credits)

Course Objectives for CARP1510 Framing and Construction (3 credits)

1. Identify floor frame components.
2. Identify post and girder systems.
3. Identify joist configurations.
4. Understand floor opening framing.
5. Understand floor layout and joist placement.
6. Understand cantilevered joists.
7. Understand subfloor selection, application and fastening.
8. Understand floor truss systems.
9. Identify wall frame components.
10. Understand wood frame wall layout.
11. Identify corner construction.
12. Understand framing doors and windows.
13. Understand wall assembly.
14. Understand squaring the walls.
15. Understand pick-up framing operations.
16. Understand wall sheathing methods.
17. Identify ceiling framing members.
18. Identify corner construction.
19. Understand ceiling layout.
20. Understand attic scuttle framing.
21. Understand flat roof ceiling construction.
22. Identify backing methods.
23. Identify metal floor frame members.
24. Identify metal framed walls.
25. Identify basic roof types.

26. Learn principles of roof layout.
27. Learn structural factors.
28. Identify gable, gambrel, and shed roof components.
29. Learn rafter calculations.
30. Learn construction methods.
31. Learn HIP roof terminology.
32. Learn HIP roof calculation.
33. Learn HIP roof construction.
34. Learn HIP and valley layout.
35. Learn dormer types and construction.
36. Learn rafter layout and construction.
37. Identify intersecting roofs.
38. Identify truss roofs.
39. Learn truss prefabrication.
40. Learn principles of truss design.
41. Learn installation of roof trusses.
42. Learn temp control and ventilation.
43. Identify insulation types.
44. Learn insulation methods.
45. Understand sound control/
46. Learn sound control methods.
47. Learn passive solar heating.
48. Learn active solar heating.