**GIWAAKAA’IGEMIN — Residential Builder 2020-2021**

**SUGGESTED PLAN OF STUDY – 30 or 60 credits**

### 1-Year Diploma Program

**SEMESTER 1-Fall**
- BLTD 114 Construction Safety | 2 credits
- CARP 114 Framing Sustainable Design | 5 credits
- CARP 116 Foundations & Footing Design | 3 credits
- CARP112 Welding | 2 credits
- MATH 100 Technical Math | 4 credits

**Total Credits 16**

**SEMESTER 2- Spring**
- BLTD 100 Construction Codes | 1 credit
- BLTD 110 Blueprint Plans & Construction Estimating | 2 credits
- CARP 120 Interior & Exterior Finishes | 5 credits
- EDU 140 Professional Skills | 3 credits
- CARP 206 Framing Sustainable Design II | 3 credits

**Total Credits 14**

### 2-Year AAS Degree Program

**SEMESTER 3-Fall**
- CARP 200 Weatherization Applications in Building | 2 credits
- CARP 226 Framing Sustainable Design III | 3 credits
- CARP 210 3D Layout for Shop and Construction | 2 credits
- ENER 150 Intro to Renewable Energy | 3 credits
- ENER 210 Introduction to Solar Energy | 2 credits
- OJI 101 Speaking Ojibwe I | 4 credits

**Total Credits 16**

**SEMESTER 4-Spring**
- FOR 101 Intro to Forestry | 3 credits
- CARP 216 Woodworking | 2 credits
- CARP 295 Internship | 3 credits
- ENER 200 Residential Mechanical Systems | 3 credits
- ENER 160 Sustainable Landscape Design & Site Planning | 3 credits

**Total Credits 14**
Associate of Applied Science Degree

The Associate of Applied Science degree provides the opportunity for students to study more in-depth in one subject area such as Business Management, Law Enforcement, or Integrated Residential Builder. Students who choose this option are not primarily interested in transferring into a four-year degree program, but in entering the job market immediately upon completion of the A.A.S. degree. However, some of the courses may transfer into a four-year degree program.

GIWAAKAA’IGEMIN “We build” Residential Carpentry and Integrated Residential Builder

Earning a Carpentry diploma or A.A.S. degree from LLTC creates opportunity for our graduates to be competitive in any entry-level apprenticeship position.

Carpentry careers may include:

- Construction Laborers and Helpers
- Carpenters Union
- Journeyman Apprenticeships
- Drywall and Ceiling Tile Installers and Tapers
- Flooring Installers and Tile Setters
- Wood Products/Wood Manufacturing
- Building Contractor/Entrepreneur
- Masonry Workers
- Furniture and Cabinet Manufacturer
- Building Systems Analyst
- Weatherization Technician
- Welder Certification
- Solar Installer Certification
- Green Technology Technician