



Work Process Schedule (cont'd)

Power Systems (Diesel, Electric & Controls)

- ▲ Review types and sizes of power sources in aggregate processing application
- ▲ Generator sizing and production capacities
- ▲ Motor sizing and production capacities
- ▲ Power systems component identification
- ▲ Maintenance and Repairs
- ▲ Diagnostic troubleshooting
- ▲ Generator Set Up and Operation
- ▲ Various types of control systems and their function
- ▲ Operational safety processes

Total OJT training activity = 500 hours

Technical Classes (NDSCS)

8-week Classes		Credits	Online Option
BADM 234	Customer Service	1	X
CIS 101	Computer Literacy	2	X
ENGL 105	Technical Communication	3	X
DTEC 115	Intro to Light & HD Engines	4	
DTEC 125	Intro to HD Drive Systems	3	
DTEC 155	Intro to Electrical for Diesel	4	
DTEC 164	Intro to Mobile Hydraulic	4	
ECAL 242	Advance Drives	2	
MATH 120	Basic Math	2	
MFGT 110	Industrial Shop Practices	2	
MFGT 120	Basic Welding	1	
MFGT 121	Basic Welding	1	
16-week Classes		Credits	Online Option
BADM 234	Customer Service	1	X
COMM 110	Fund. Of Public Speaking	3	X
ECAL 111	Electric Meter & Motors	3	
ECAL 242	Advanced Drives	2	

Total # of Credits = 37

Aggregate Equipment Service Technician Certification Summary

OJT Training review with Supervisor with two weeks in each job function. Total For this Section is 500 hours.

Total Apprenticeship Program = 4,500 hours

How Do You Get Started?

Connect with Ann Pollert, our Technician & Career Developer at apollert@genequip.com or 701.364.2181.

Ann and our team have a wealth of knowledge and are ready to help you explore your Aggregate career! Schedule a company tour or set up a job shadow today.

Our Locations

Our U.S. locations include Fargo, Bismarck, Minot and Williston, ND, Sioux Falls, SD and Shakopee, MN. OJT for this program will start off taking place at our headquarters in Fargo.

APPRENTICESHIP PROGRAM

Aggregate Service Technician Certification





Your Tuition Will Be
100% PAID

Why It All Started

We started the Aggregate Service Technician Certification Apprenticeship Program to fill the need for industry-trained, qualified aggregate service technicians at our dealership locations. This is a highly-skilled career path, where on-the-job experience has traditionally been the method to acquire these skills. We are changing that.

In the upper Midwest, there hasn't been a post-secondary educational venue to teach the Aggregate Service Technician skills. These include diesel and electrical power sources, hydraulics, welding, equipment maintenance, industry specific componentry, trouble shooting and diagnostics. We believe that both education and real-life experience, set people up for greater success. Thus, the launch of our program.

The Goal

The goal of this program is to use a combination of On-the-Job Training (OJT), coupled with Mentoring under the guidance of experienced Aggregate Technicians and Supervisors, and Formal Educational Training through a local technical college. Classes will focus on the various skills needed for the typical Aggregate Service Technician. Upon satisfactory completion of the program, the Apprentice will receive the Aggregate Service Technician Certification.

The Logistics

- ▲ High School Graduate or GED is required. Military or civilian industry experience would be a benefit, but not required.
- ▲ Industry experience is also a bonus and will be reviewed to determine how applicable experience can translate into study credit in this program.
- ▲ The program will be 24-36 months for completion with the understanding that classroom scheduling may cause potential conflicts that require more time to complete.
- ▲ Total Apprenticeship is 4,500 hours of combined OJT and classroom work.
- ▲ Starting pay to be within the Apprentice Pay Scale based on experience.

The Curriculum

- ▲ Please refer to the *Work Process Schedule* section for full classroom details.
- ▲ North Dakota State College of Science (NDSCS) of Wahpeton, ND is where the classroom learning for the Aggregate Service Technician Certification Apprenticeship Program will take place.
- ▲ General Equipment & Supplies will pay for the tuition of the college classes and charge it to the Apprentice's company account. Upon completion of the program, the Apprentice will be forgiven 1/36th of that tuition expense over a 36-month contract detailed under a separate agreement.
- ▲ The Apprentice will be responsible for all of his/her living expenses and transportation expenses both while on the job or at school.

Apprentices will be paired with experienced General Equipment & Supplies employees and supervisors who have at least 2 years of experience in the given field in which they are mentoring.

Work Process Schedule

The Aggregate Service Technician Certification Apprenticeship Program is divided into six areas of study. Each element of study provides OJT experiences coupled with classroom training. Once completed, you can move into any area of the aggregate service department operation and have the confidence that you can perform once on the job.

The Apprentice will also need to complete specific classroom studies. These are outlined below and continue on the back page. Accommodations will be made to alternate between OJT and classroom training.

Industry Specific Knowledge

- ▲ Introduction to Business Service Work Order Software
- ▲ Introduction to Equipment Set Up and Function
- ▲ Manufacture Specific Application Review
- ▲ Understanding Printed and On-Line Reference Material
- ▲ Introduction to Our Products and Terminology
- ▲ Application Safety Practices and MSHA (New Miner) Certification
- ▲ Customer Relations Training

Total OJT training activity = 500 hours

Aggregate Screens (Inclined & Flat)

- ▲ Application and production theory
- ▲ Adjustments and Timing
- ▲ Drive options
- ▲ Screen Repair and Screen Cloth replacement
- ▲ Maintenance and Servicing

Total OJT training activity = 500 hours

Conveyor and Components

- ▲ Review of Conveyor components
- ▲ Conveyor sizing and production capacities
- ▲ Conveyor Drive Mechanisms and their maintenance
- ▲ Conveyor belt replacement and types of belting
- ▲ Conveyor Set Up and Operation
- ▲ Conveyor repair and trouble shooting

Total OJT training activity = 500 hours

Compression Crushers (Jaws & Cones)

- ▲ Review types and sizes of compression crushers
- ▲ Crusher sizing and production capacities
- ▲ Crusher wear parts – measurement and replacement
- ▲ Crusher Drive components and sizing
- ▲ Maintenance and Repairs
- ▲ Diagnostic troubleshooting
- ▲ Crusher Set Up and Operation

Impact Crushers (Horizontal & Vertical Shaft)

- ▲ Review the types and sizes of Impact Crushers
- ▲ Crusher sizing and production capacities
- ▲ Crusher wear parts – measurement and replacement
- ▲ Crusher Drive components and sizing
- ▲ Maintenance and Repairs
- ▲ Diagnostic troubleshooting
- ▲ Crusher Set Up and Operation

Total OJT training activity = 500 hours

Mobile Track Crushing & Screening Equipment

- ▲ Review the types and sizes of Mobile Crushers
- ▲ Crusher sizing and production capacities
- ▲ Crusher wear parts – measurement and replacement
- ▲ Diagnostic troubleshooting
- ▲ Crusher Drive components and sizing
- ▲ Maintenance and Repairs

Aggregate Washing Equipment

- ▲ Review the types of Aggregate Washing Equipment
- ▲ Identify the components used in Aggregate Washing and Processing
- ▲ Washing Equipment sizing and various power sources
- ▲ Maintenance and Repairs
- ▲ Diagnostic troubleshooting

Total OJT training activity = 500 hours

Flip to back page for additional Work Process Schedule info.

Apprentice is Eligible for Company
BENEFITS PACKAGE