

APPLICATION CHECKLIST

□ STEP 1

Apply for admission at a participating MAT² college or local community college that offers Compass or Accuplacer testing. Applicants submitting ACT scores no older than 2 years may skip directly to Step 4. See a list of participating academic providers at

mitalent.org/mat2-application-process/

□ STEP 2

Prepare for COMPASS/ACCUPLACER placement assessments

□ STEP 3

Schedule and complete COMPASS/ACCUPLACER assessment at same college in which you applied for admission

□ STEP 4

Apply online at mitalent.org/mat2

Please include:

- A scanned copy of placement test scores
 - Updated résumé
- Letter(s) of recommendation(recommended not required)

Review the chart on the right to obtain minimum scores needed to qualify for program consideration.

ACT	
English	19 or above
Reading	18 or above
Math – Algebra	21 or above
Compass	
Writing	Greater than or equal to 77
Reading	Greater than or equal to 65
Math – Algebra	Greater than or equal to 42
Accuplacer – Mott Community College	
Writing	Place into ENG 101
Reading	Place into ASCR 100
Math – Algebra	Place into Math 130



**Fall 2016 program application
deadline dates:**

Early Application Deadline:
January 1, 2016

Spring Deadline: April 2016

Final Deadline: June 2016

For general application questions,
please email:

**wda-mat2@michigan.gov
or call 1-888-533-0103**

**For more information,
please visit: mitalent.org/mat2**

MAT² Mechatronics

As a Mechatronics Technician, you will apply electrical, mechanical, and electronic skills used to identify, analyze, and solve systems-based problems. A mechatronics technician must be able to support engineers, modify machines, make minor changes, repair, test, and provide maintenance for related equipment.



MAT² Mechatronics Courses By School Period

Period	Course Topics
Year One	
School Period 1	Integrated Systems
	Machine Tool I (Hand tools-Measuring-Saws & Drill presses)
School Period 2	Machine Tool II (Lathes, Mills, Grinders)
School Period 1&2	Industrial Math (Geometry, Trig, Algebra)
	Blueprint Reading
	Electrical DC/AC
	Software applications for business
School Period 3	Industrial Safety plus hoists, cranes
	Electronics (Solid State)
	Gen Ed
School Period 4	Electro-Hydraulics I,II,III
	Industrial Controls and Instrumentation
	Mechanical Drives I,II III
	Gen Ed

Period	Course Topics
Year Two	
School Period 5	General Preventative/Predictive Maintenance
	Programmable Controller Applications
	Gen Ed
School Period 6	Fundamentals of Pipefitting
	Introduction to Gas/Arc/MIG/TIG Welding
	Advanced Programmable Controller Applications
	Gen Ed
School Period 7	Gen Ed
	Gen Ed
	Gen Ed
	Introduction to Robotics Technology
	Shop Floor Networking
	Seminar – Project Management
	Seminar - Material Science
	Seminar - Environmental Considerations
Seminar - Quality Control	
Year Three	
School Period 8	Gen Ed
	Manufacturing Processes & Economics
	Gen Ed
School Period 9	Capstone - Integrated Systems Troubleshooting