

COURSE ARTICULATION ANALYSIS

John A. Logan College

High School

Course Title: MAC 164 Machine Tool Laboratory

Course Title(s): _____
(As it appears on transcript)

Instructor(s) _____

Course length: ___ Full year ___ Semester ___ Other
Class meets: _____ Hours per day _____ Hours per week

Contact Hours: Lec. _____ Lab _____ 4Hrs. _____

Number of Credits: _____
Total Contact Hours: _____
Text(s) Used: _____

Text(s) Used: Machine Tool Practices 7th Ed. Kibbe, Neely, Meyer, White
Recommendations:

Recommendations: _____
Required Grade: _____

Course Competencies/Outcomes & Evaluation Methods

Outcome/Competencies	JALC			High School		
	Yes	No	Evaluation	Yes	No	Evaluation
1. Power up & homing of wire EDM machine procedures						
2. Employ EDM safety guidelines as instructed						
3. Perform care and maintenance of EDM machine						
4. Set wire vertical using special mounting fixture						
5. Set "cut tech" conditions on EDM machine						
6. Install wire coil						
7. Manually thread wire through guides						
8. Use auto treading feature						
9. Bring up an existing program						

10. Setting “cut tech” for rough/cut finish cut applications						
11. Graphing a program on the EDM machine						
12. Running a dry run on the EDM machine						
13. Establishing a “D” running program from a “F” graph function (edit mode)						
14. Edge finding						
15. Center finding						
16. Programming and downloading procedures						
17. Taper cutting and offsets						
18. Chopper maintenance and adjustments						

Code

O = Observation P = Projects PF = Portfolio
W = Written Assignment T = Test PR = Presentation
S = Skills/Practicum R = Research Paper LA = Lab Assignment

JALC Instructor’s Signature:	High School Teacher’s Signature:
JALC Associate Dean Signature:	Regional System Director’s Signature:
Date:	Date: