

# College of DuPage

IET Acceleration Strategies

# Common Challenges in Implementing IET Programs

1. Program design
2. **Collaboration/academic partnership**
3. Recruitment
4. **Student preparedness**
5. Retention
6. Program completion/student credential attainment

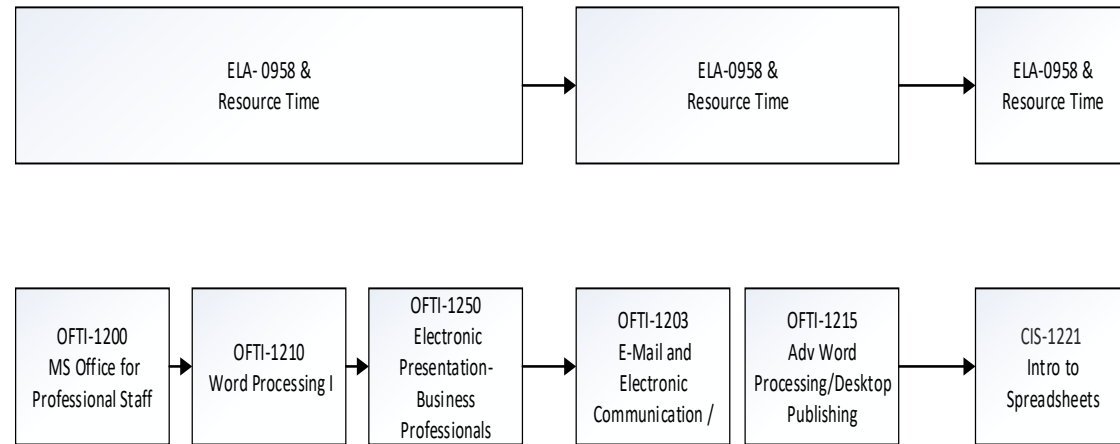
Under-  
prepared  
Students

## IET – Office Technology – Office Technology Specialist

- Target Advanced ELA Learners
- No existing Bridge
- Recruitment mainly from Core ELA program
- Digital literacy skills embedded within Core ELA program course work

# OFTI – Office Technology Specialist

IET  
Model 1  
Office  
Technology  
Specialist



## Identified Issues w/First Cohort

- Faculty feedback:
- Students lacked typing skills
- Students needed to brush up specific digital literacy skills prior to transitioning to course
- OFTI academic faculty recommended layering on additional credit OFTI classes prior to taking Office Technology Specialist core coursework

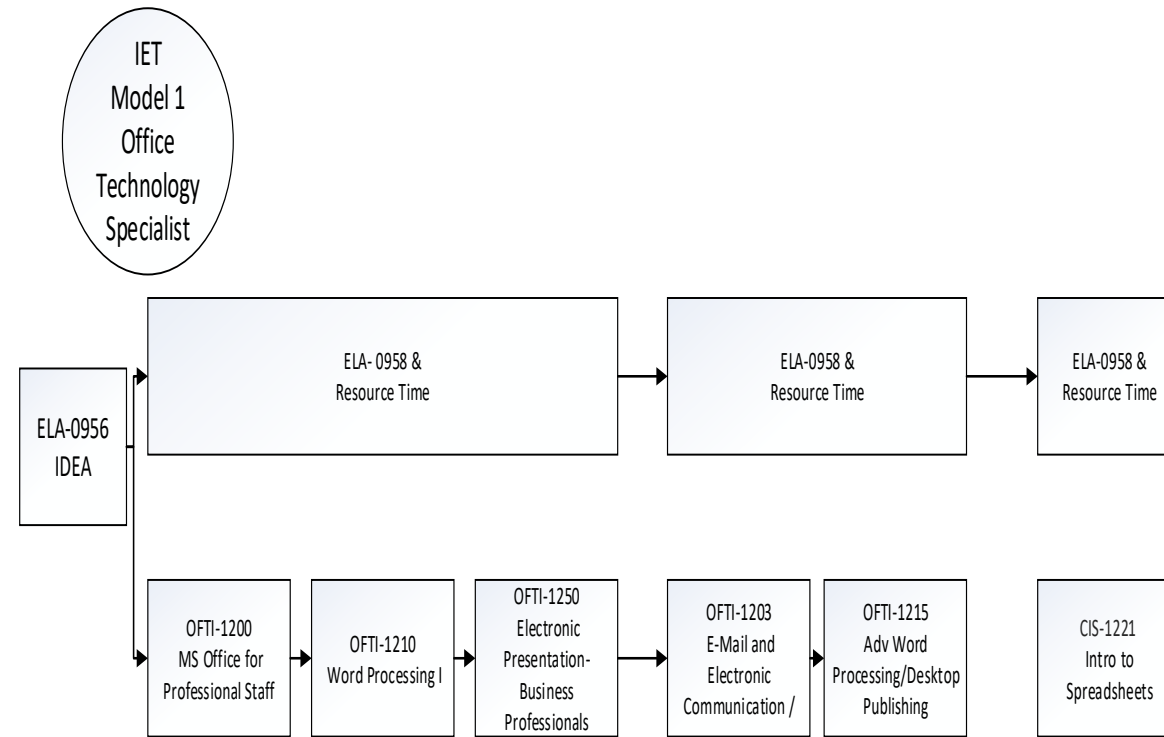
# I-DEA

- COD AE implemented the Integrated Digital English Acceleration program out of Washington State in FY19
  - Targets High Beginning – High Intermediate Learners
  - English language instruction in context of college and career readiness
  - Modularized instruction – 31 modules
  - Flipped delivery model – students complete on-line course work prior to traditional face-to-face instruction
  - 1 ½ to 2 weeks of digital literacy instruction prior to start of curriculum/content delivery
  - Access to a technology coach
  - Experienced EFL gains 10-15% higher than traditional delivery

## I-DEA & IEL/Civics

- Based on I-DEA module topics there was a direct fit with IEL/Civics competencies and delivered the other components required under IEL/Civics grants – English language acquisition instruction, college and career readiness skills, numeracy and prepares students to transition to IET or post-secondary education
  - FY20 Tasked I-DEA faculty to formally perform a crosswalk of I-DEA modules and IEL/Civics competencies
  - Introduce leveled Northstar Digital Literacy assessments and tailor instruction to meet identified needs until mastery is achieved
  - Make the high-intermediate I-DEA course a feeder into the OFTI IET program
  - Second cohort of OFTI Office Technology Specialist will consist of I-DEA completers

# New OFTI – Office Technology Specialist Structure





## Collaboration/ Academic Partnership

# Manufacturing Skills Standards Council – Certified Production Technician

Approached by the Local American Jobs Center/Local Workforce Board

- Develop and implement MSSC –CPT program for ex-drug offenders
- Partners included: AJC, LWIB, COD Adult Ed, County Dept. of Probation, County Health Dept., Dept. of Employment Security, 4-5 local employers

# MSSC - CPT

- COD Manufacturing had existing MSSC Credit Certificate/approved curriculum
- Met with Manufacturing full time faculty in attempt to partner and develop IET/ICAPS program
- Political reasons faculty would not participate and did not support the MSSC curriculum
  - Employers did not want
  - Faculty felt “forced” to embrace this curriculum by previous administration – made clear they would not participate

# MSSC/CPT

- Issues at hand
  - Partners requesting programming
  - Employers asking for trained, MSSC certified jobseekers

# MSSC/CPT

- Hired faculty with background in manufacturing
- Paid for faculty to complete MSSC-CPT instructor training and become certified MSSC-CPT Instructors
- Developed and implemented MSSC-CPT IET/ICAPS program
- Currently on third cohort focusing on ex-drug offenders
- First cohort of ELA launched in Spring 20
- Completers receive MSSC Certifications in:
  - Safety
  - Manufacturing Processes and Production
  - Quality Practices and Measurement
  - Maintenance Awareness
- All completers received job offers from partner employers w average starting salary at \$17.00 per hour

## MSSC/CPT

- Presented completer data and program outcomes to FT manufacturing faculty
- Completed and presented a crosswalk of classes in COD MSSC certification and skills acquired by cohort completers
- All classes in COD MSSC certificate were also parts of additional COD manufacturing certificates

# MSSC Crosswalk

The **Manufacturing Skills Standards certificate (MSSC)**

<b>Total Credits Required</b> .....	<b>7</b>
Manuf 1104 Technical Mechanics .....	2
Manuf 1180 Quality Control .....	3
Manuf 2280 Industrial Safety .....	2

The **Drafting/Design certificate** requires 38 credits in the courses listed below.

<b>Total Credits Required</b> .....	<b>38</b>
Manuf 1101 Industrial Design/CAD .....	3
<b>Manuf 1104 Technical Mechanics</b> .....	<b>2</b>
Manuf 1151 Machine Shop I .....	3
<b>Manuf 1180 Quality Control</b> .....	<b>3</b>
Manuf 2201 Geometric Dimensioning and Tolerancing .....	3
Manuf 2202 Solid Modeling and Design.....	3
Manuf 2203 Manufacturing Processes and Design .....	3
Manuf 2206 Mechanical Computer-Aided Drafting/Design .....	3
Manuf 2207 Tool Design .....	3
Manuf 2208 Mechanical Design Portfolio .....	3
Elect 1100 Electricity and Electronics Fundamentals .....	3
Elmec 1141 Hydraulics and Pneumatics .....	3
Math 1115 Technical Mathematics I .....	3

The **Automated Manufacturing Systems certificate** requires 35 credits in the courses listed below.

<b>Total Credits Required</b> .....	<b>35</b>
Manuf 1101 Industrial Design/CAD .....	3
<b>Manuf 1104 Technical Mechanics</b> .....	<b>2</b>
Manuf 1151 Machine Shop I .....	3
<b>Manuf 1180 Quality Control</b> .....	<b>3</b>
Manuf 2200 Production Technology .....	4
Manuf 2251 Computer Numerical Control (CNC) .....	3
Manuf 2253 Computer-aided Manufacturing (CAM) .....	3
<b>Manuf 2280 Industrial Safety</b> .....	<b>2</b>
Elmec 1141 Hydraulics and Pneumatics .....	3
Elmec 1171 Introduction to Robotic Technology .....	3
Elmec 1190 Introduction to Programmable Logic Controllers .....	3
Math 1115 Technical Mathematics I .....	3

# MSSC Demonstrated Competency

- Asked for and was granted class completion by demonstrated competency which would then allow cohort completers to receive credits towards additional COD manufacturing certificates