

# **A.A.S. Drafting Design Engineering 5 Year Drafting/Design Engineering Technology Executive Summary**

This 5 year review including Executive Summary is to be completed by the program undergoing review and an external reviewer (not Advisory Board), sent to the Office of Academic Affairs for review, comment, revision, approval by February 15, reviewed by the Board of Governors in April or May, and submitted to the WVCTCS by May 31 (not to be more than 2-3 pages)

**1. Name and degree level of program:**

AAS Drafting/Design Engineering Technology

- 2. External reviewer(s) information** (report should be given to an external reviewer not on Advisory Board for scrutiny. Many institutions use reviewers from institutions with similar programs. The reviewer should prepare a summary that addresses their perceptions on how well a program is meeting the criteria addressed in the body of the report. Please list external reviewer name, credentials, institution or company:

ATMAE (Association of Technology, Management and Applied Engineering) Visiting accreditation team and the ATMAE Board of Directors.

**3. Synopses of significant findings, including findings of external reviewer(s)**

Refer to Drafting Design Follow Up Report. This report responds to the partial compliance of standards that were identified to the ATMAE (Association of Technology, Management and Applied Engineering) site visit.

**4. Identification of weaknesses or deficiencies from the previous review and the status of improvements implemented or accomplished**

All partial compliance standards were corrected. This was presented before the ATMAE Board of Directors at the November 2106 meeting. The board voted unanimously for a continued 6 year reaccreditation.

**5. Model Schedule (with Rationale if above 30 credit hr (CAS) or 60 hr (AAS, AA, AS))**

The following is the current model schedule for 2017-18 academic year.

# DRAFTING & DESIGN ENGINEERING TECHNOLOGY

## A.A.S. MODEL SCHEDULE (60 Credits)

### FALL — 1ST YEAR

DRFT 1100	Engineering Graphics	3 hrs
DRFT 2200	Fundamentals of AutoCAD	3 hrs
ENGL 1104	Written English I	3 hrs
MANF 1100	Materials and Processes	3 hrs
MATH 1101	Applied Technical Mathematics I	3 hrs
		<b>Semester Total 15 hrs</b>

### SPRING — 1ST YEAR

COMM 2202	Intro to Communication in the World of Work	3 hrs
DRFT 2235	Technical Drafting	3 hrs
ENGL 1109	Technical Report Writing	3 hrs
INFO 1100	Computer Concepts and Applications	3 hrs
MATH 1102	Applied Technical Mathematics II	3 hrs
		<b>Semester Total 15 hrs</b>

### FALL — 2ND YEAR

DRFT 2205	Introduction to Solid Modeling	3 hrs
DRFT 2215	Architectural Drafting	3 hrs
DRFT 2224	Inventor Sheet Metal and Fabrication	3 hrs
ECON 2200	Economics	3 hrs
PHYS 1101	Introduction to Physics I	4 hrs
		<b>Semester Total 16 hrs</b>

### SPRING — 2ND YEAR

DRFT 1200	Print Reading	1 Hrs
DRFT 2245	Architectural Design	3 Hrs
DRFT 2254	Mapping	3 Hrs
DRFT 2995	Design/Drafting Capstone Course	3 Hrs
TECH 2290	Engineering Analysis I	4 Hrs
		<b>Semester Total 14 hrs</b>

## EMPLOYMENT OPPORTUNITIES

- > Drafters
- > CAD operator
- > Engineering Assistant
- > Engineering Technicians
- > Graphics Specialist
- > Project Manager

Majority of work time is spent working on computers in an office, although some time may be spent visiting job sites in order to collaborate with architects and engineers.

## SALARY

The median annual wage for drafters was \$49,630 according to the Bureau of Labor Statistics.

## ADMISSIONS REQUIREMENTS

Students may be admitted to the Drafting & Design Engineering Technology program once they have met general college admissions requirements.

## FOR MORE INFORMATION

John Toothman, Program Coordinator  
Phone: 304.387.4977  
john.toothman@pierpont.edu

## 6. Five-year trend data on graduates and majors enrolled

DRFT 201310 FTE = 22  
DRFT 201410 FTE = 16  
DRFT 201510 FTE = 13  
DRFT 201610 FTE = 11  
DRFT 201710 FTE = 15

Year	Enrollment	Graduates/CAD	Grad%
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		Skills		Skills%	
<b>2012-13</b>	<b>22</b>	<b>3</b>	<b>12</b>	<b>14</b>	<b>55</b>
<b>2013-14</b>	<b>29</b>	<b>4</b>	<b>10</b>	<b>14</b>	<b>34</b>
<b>2014-15</b>	<b>23</b>	<b>5</b>	<b>6</b>	<b>22</b>	<b>26</b>
<b>2015-16</b>	<b>21</b>	<b>6</b>	<b>12</b>	<b>29</b>	<b>29</b>
<b>2016-17</b>	<b>28</b>	<b>4</b>	<b>9</b>	<b>14</b>	<b>32</b>

**7. Data on student placement (for example, number of students employed in positions related to the field of study or pursuing advanced degrees)**

Altobelli	Brian	James		201610	CC	AAS	Drafting/Design Engineer Tech	Not Known
Bailey	William	Jack		201610	CC	AAS	Drafting/Design Engineer Tech	Logistics Engineer CACI International (Coast Guard)
Deem	Cameron	Shae		201320	CC	AAS	Drafting/Design Engineer Tech	Owner. Deem Tech and Drafting, LLC
Ding	Ding			201410	CC	AAS	Drafting/Design Engineer Tech	Graduate School-Colorado School of Mines
Enos	Megan	Rochelle		201620	CC	AAS	Drafting/Design Engineer Tech	Engineering Tech-BJ Services
Ford	Alissa	M		201430	CC	AAS	Drafting/Design Engineer Tech	Cad Technician-Thrasher Engineering
Hamilton	Derek	Hunter		201520	CC	AAS	Drafting/Design Engineer Tech	Draftsperson-Dominion Energy
James	Cody	Lee		201430	CC	AAS	Drafting/Design Engineer Tech	Draftsperson-Alpha Associates
Jones	Caleb	Darnell		201530	CC	AAS	Drafting/Design Engineer Tech	Not Known
Keir	Christian	Joseph		201610	CC	AAS	Drafting/Design Engineer Tech	CAD Technician-A. Durer Inc.
Luczko	Robert	John		201320	CC	AAS	Drafting/Design Engineer Tech	CAD Specialist-Thrasher Engineering
Milhoan	Zachariah	J		201420	CC	AAS	Drafting/Design Engineer Tech	Mechanical Reliability Engineer-Constellium
Miller	Travis	Willard		201210	CC	AAS	Drafting/Design Engineer Tech	Senior Facility Engineer-Mylan Pharmaceuticals
Moats	Marshall	Edward		201520	CC	AAS	Drafting/Design Engineer Tech	FSU Mechanical Engineering Tech major
Morlan	Logan	James		201510	CC	AAS	Drafting/Design Engineer Tech	Class One Operator-Flatwoods Canoe Run
Newlon	Adam	Randall		201520	CC	AAS	Drafting/Design Engineer Tech	Thrasher Engineering
Quinn	Wendell	Paul		201210	CC	AAS	Drafting/Design Engineer Tech	Not Known
Robinson	Margaret	Paige Viola		201230	CC	AAS	Drafting/Design Engineer Tech	CAD Specilaist-Business Analyst-Dominion Engineering
Shaffer	Andrew	Lincoln		201320	CC	AAS	Drafting/Design Engineer Tech	Quality Control Engineer-Skanska USA
Snider	Christophe	John		201620	CC	AAS	Drafting/Design Engineer Tech	Engineering Tech-BJ Services
Speranskiy	Kirill			201220	CC	AAS	Drafting/Design Engineer Tech	Consulting Engineer Morgantown
Stickley	Brandon			201510	CC	AAS	Drafting/Design Engineer Tech	CAD Specialist-Morgantown Utility Board
Wilson	Jared	W		201420	CC	AAS	Drafting/Design Engineer Tech	Assistant Project Manager-Earth Res
Wrobleski	Mark	Andrew		201710	CC	AAS	Drafting/Design Engineer Tech	Pies and Pints Morgantown

**8. Summary of assessment model and how results are used for program improvement**

**After discussion and approval of the Drafting/Design Industrial Advisory Committee, the new program changes will be made. With the changes in the math and science requirements, the Drafting/Design Engineering Technology program will provide more flexibility and course offerings for the student. Course electives have been added to provide students with a choice of courses to meet their individual needs. As of February 1, 2018, the curriculum proposal resides in committee for approval then on to faculty senate for approval.**

**Model Schedule of the New Proposed Program**

AAS Degree in Drafting and Design Engineering Technology

<b>Required Major Courses</b>	<b>HRS</b>
DRFT 1100 Engineering Graphics	3
DRFT 2200 Fundamentals of AutoCAD	3
DRFT 1200 Print Reading	1
DRFT 2205 Introduction to Solid Modeling	3
DRFT 2215 Architectural Drafting	3
DRFT 2224 Inventor Sheet metal and Fabrication	3
DRFT 2235 Technical Drafting	3
DRFT 2245 Architectural Design	3
DRFT 2254 Mapping	3
DRFT 2295 Design/Drafting Capstone course	3
DRFT 2265 3D Printing: Additive Manufacturing	3
MTH 1203 Applied Math for Industry	3
MTH 1204 Applied Math for Industry 2	3
BUSN 2248 Business Essentials	3
Technical Electives 4 hrs (1 hour of lab management) (3 hour course)	4

TOTAL Required Major Courses 44

TOTAL GENERAL STUDIES HOURS 16

ENGL 1104 Written English 1	3
ENGL 1109 Technical Report Writing	3
OFAD 1150 Computer Concepts and Applications	3
PHY 1103 Physics of Color and Light	4
COMM 2202 or COMM 2200 Intro. to Comm. in the World of Work	3

Course changes from the existing program

TOTAL HOURS 60

**9. Plans for program improvement, including timeline  
Approval of the new curriculum to begin fall 2018.**

**10. Final recommendations approved by governing board**



# Pierpont Community and Technical College

## Academic Awards Reception

Robert H. Mollohan Research Center, 1000 Galliher Drive, Fairmont, WV 26554

**Friday, May 6th, 3:30 – 5:00 PM**

On behalf of Pierpont Community & Technical College faculty, staff, and administration, welcome to the annual Academic Awards Reception. This event is a time when Pierpont recognizes the scholarship, accomplishments, and potential of students within our many programs of study. PIERPONT takes PRIDE in those being honored today, and thanks families and friends for providing support, encouragement, and love to our students.

Congratulations!

*Leslie Lovett*

*Provost and Vice President for Academic Affairs*

### School of Business Aviation and Technology

Drafting and Design Technology	Mark Wrobleski
Graphics Technology	Steven Adkins
Information Systems	Kirk Allen Bebout
Information Systems	Clayton L Johns
Accounting	Julie Siddle
Business Management	Deidre K. Shahan
Office Administration	Selica D Kopshina
Aviation Maintenance Technology - Freshman	Michael Wallace
Aviation Maintenance Technology - Sophomore	Dustin Woodward
Lalah Larew Math Award	James Hager
Lalah Larew Math Award	Keith Goldberg
M. Jean Bolyard Math Award	Shaylyn Taylor
M. Jean Bolyard Math Award	Elsa Davis

### School of Health Careers

LPN	Kathy James
Radiologic Technology/Technical Studies	Micah R. Ford
Respiratory Student (Academics)	Valerie Brake
Health Information Technology	Dacey Clark
Laboratory Assistant	William Eric Fisher
Phlebotomy Advanced Skill Set	Alexis Mayfield-Hawkins
Medical Laboratory Technology	Jennifer Weaver
Physical Therapist Assistant	Alison Rickman
Veterinary Technology	Jessica Bailey
Veterinary Technology	Naymallis LaSanta
Higinbotham-Quintrell Scholarship for Outstanding First Year Veterinary Technology Student	Marisa Sulzen

### School of Workforce Development

Applied Process Technology	Tommy Knoblick
Applied Process Technology	Bobby Hyde
Electric Utility Technician Lineman Award	Joshua Bush
Electric Utility Technician Substation Award	Edward Waltz
Petroleum Technology	Judy Dolan
Petroleum Technology	William McKinsey

### School of Human Services

Freshman Composition	Catherine Bomkamp
Technical Writing	Jonathan Efav
Communications	Chance Taylor
Liberal Studies Pre-Social Work Program	Patricia Holland
American Sign Language Communication	Summer Coumbes
Interpreter Education	Tonquilla Watson
Applied Design/Design Specialist	Jess McIntyre
Applied Design/Fashion Design and Merchandising	John Maddix
Applied Design/Fashion Design and Merchandising	Latisha Kriston
Applied Design/Interior Design	Emily Gallon
Early Childhood Education	Heather Burnside
Practitioner Occupational Development	Kimberley Deuesenberry
West Virginia Association for Young Children Student Group Scholarship	Savannah Hilvers
West Virginia Association for Young Children Student Group Scholarship	Patricia Cunningham
Dr. Joanna Nesselroad Early Childhood Award	Kendra Brown
Criminal Justice	Travis White
Homeland Security	Deborah Slamen
The Glenice Q. Cather Memorial EMS Scholarship Award	Aaron "Ross" Martin
The Glenice Q. Cather Memorial EMS Scholarship Award	Jamie Swiger
Food Service Management - Dietary Manager	Kristen Wiley
Food Service Management - Resort & Hotel Management	Lauren Barner
Food Service Management - Culinary Arts	Sara Brumage
Food Service Management - Pastry & Baking Arts	Shelby Wilkins
Chef Harvey Christie Memorial Scholarship Award	Jerica Yingling
The Rhodes Culinary Arts Scholarship Award	Samantha DeBolt
The Rhodes Dietary Manager Scholarship Award	Emma Larry
Outstanding Student in Paralegal Studies	Susan McCullough
Liberal Studies	William Hollis
Adult Degree Completion Award	Mary Caldwell
Para-Professional	Stacy Wajler
Para-Professional	Tiffany Wine
Humanities	Tiffannie Dorsey

*Congratulations to all the awards and scholarship recipients*



# Pierpont Community and Technical College

## Academic Awards Reception

Advanced Technology Center, 500 Galliher Drive, Fairmont, WV 26554

**Friday, April 28, 2017, 3:30 – 5:30 PM**

On behalf of the faculty, staff, and administration of Pierpont Community & Technical College, I welcome you to our annual Academic Awards Reception. At this event, Pierpont recognizes the scholarship, accomplishments, and potential of students within our many programs of study. PIERPONT takes PRIDE in those students whom we are honoring today and thanks their families and friends for providing them with the support, encouragement, and love that they need to succeed. Congratulations to all of you!

*Brian A. Floyd, Acting Provost of Pierpont Community & Technical College*

### Program Order

Welcome	<i>Brian A. Floyd</i>
Greetings from the President	<i>President Johnny M. Moore</i>
Introduction of Deans	<i>Brian A. Floyd</i>
Introduction of Student Honorees	<i>Deans</i>
Closing	<i>Brian A. Floyd</i>

## STUDENT HONOREES

### School of Business Aviation and Technology –Gerald L. Bacza, Dean

EDGE to Success	<i>Cori C. Tallman</i>
Aviation Maintenance Technology	<i>Nathan Scott Cumberledge</i>
Accounting	<i>Marie “Dominique” Jeune</i>
Business Management	<i>Austin D. Currence</i>
Drafting and Design Technology	<i>Chester Kilby Wright</i>
Drafting and Design Technology	<i>Billie Jo Wright</i>
Graphics Technology	<i>David Thomas Morrison</i>
Information Systems	<i>Chance J. Taylor</i>
Lalah Larew Math Award	<i>Skyler Ryan Mowery</i>
M. Jean Bolyard Math Award	<i>Mark Douglas Freed</i>

### School of Workforce Development

Applied Process Technology	<i>Tommy D. Knoblick</i>
Applied Process Technology	<i>Robert E. “Bobby” Hyde</i>
Applied Process Technology	<i>Jesse Lee Love</i>
Electric Utility Technology—Lineman	<i>Lyle Lynn Groves</i>
Electric Utility Technology—Substation	<i>Dan C. DeFrank</i>
Petroleum Technology	<i>Dustin Swain Reed</i>

**School of Health Careers—Vickie L. Findley, Interim Dean**

Health Information Technology

Medical Administrative Assistant (Skill Set)

Phlebotomy Advanced Skill Set

Laboratory Assistant

Medical Laboratory Technology

LPN

Radiologic Technology/United Hospital Center Technical Studies

Respiratory Student (Academics)

Physical Therapist Assistant

Veterinary Technology

Angela Claypole Memorial Scholarship in Veterinary Technology

Higinbotham-Quintrell Scholarship for Outstanding First Year Veterinary Technology Student

*Stephanie B. Scott*

*Veronica Mendez*

*Kaitlyn L. Kuhn*

*Randy “Travis” Crigger*

*Benjamin Todd Taylor*

*Nikki D. Paintiff*

*Patrick J. Ball*

*Cara Michelle Simpkins*

*Brittney Marie Rinker*

*Laura Jean Jochum*

*Amanda K. Wolfe*

*Makenzie A. Hawkinberry*

**School of Human Services—David M. Beighley, Interim Dean**

Adult Degree Completion Award

Frank and Eva Gabor Folklife Center—Outstanding Student Service

Applied Design/Design Specialist

Applied Design/Fashion Design and Merchandising

Applied Design/Interior Design

Communications

Criminal Justice

Homeland Security

Early Childhood Education

Early Childhood Occupational Development Practitioner

WV Association for Young Children Student Group \$250 Scholarship

WV Association for Young Children Student Group \$500 Scholarship

Dr. Joanna Nesselroad Early Childhood Award

Excellence in Writing

Food Service Management - Culinary Arts

Chef Harvey Christie Memorial Scholarship Award

The Martha Rhodes Culinary Arts Scholarship Award

Food Service Management - Dietary Manager

The Joe and Mary Rhodes Endowed Dietary Manager Scholarship Award

Food Service Management - Pastry & Baking Arts

Interpreter Education

Liberal Studies

Liberal Studies Pre-Social Work

Paralegal Studies

Paralegal Studies—Landwork Concentration

*Lori L. Dameron-Sheets*

*Jess McIntyre*

*Anthony Dupree Johnson*

*Brian P. Grosso*

*Tiffany Danielle Stevens*

*Kayla M. Andrick*

*Corey Jacob Ferrell*

*Eloise Vivian Kyle*

*Amber Nicole Isinghood*

*Keisha Danielle White*

*Marissa L. Jennings*

*Katie Hannah Glowacky*

*Megan C. Bailey*

*Sandra Dennison*

*Samantha Jean DeBolt*

*Noah Elijah Hedrick*

*Kayleb Braden Band*

*Hollie Elaine Young*

*Hollie Elaine Young*

*Julie Ann Snider*

*Monica B. Hinebaugh*

*Sophie R. Damico*

*Garrett A. Griesmer*

*Emily Nicole Pingley*

*Bronwyn “Skye” Feather*

*Congratulations to all of our student honorees!*





Presents

## ***Academic Awards Reception***

Advanced Technology Center, 500 Galliher Drive, Fairmont, WV 26554

**Tuesday, April 24, 2018, 4:00 – 6:00 PM**

On behalf of the faculty, staff, and administration of Pierpont Community & Technical College, I welcome you to our annual Academic Awards Reception. At this event, Pierpont recognizes the scholarship, accomplishments, and potential of students within our many programs of study. PIERPONT takes PRIDE in the students whom we are honoring today. We thank their families and friends for providing them with the support, encouragement, and love that has helped them be successful. Congratulations to all of you!

*Michael Paul Waide, Acting Provost of Pierpont Community & Technical College*

### **Program Order**

Welcome	<i>Michael Paul Waide</i>
Greetings from the President	<i>President Johnny M. Moore</i>
Introduction of Deans	<i>Michael Paul Waide</i>
Introduction of Student Honorees	<i>Deans</i>
Closing	<i>Michael Paul Waide</i>

### **STUDENT HONOREES**

#### **School of Business Aviation and Technology –Gerald L. Bacza, Dean**

EDGE to Success	<i>Ashley McClanahan</i>
Aviation Maintenance Technology	<i>Marshall “Levi” Clark</i>
Accounting	<i>Daniel Cunningham</i>
Business Management	<i>Brendan Sellaro</i>
Drafting and Design Technology	<i>Andrew Sayre</i>
Graphics Technology	<i>Cierra Buonamici</i>
Robert L. Heffner Jr. Scholarship—Outstanding Student in Graphics	<i>Ashley Huddle</i>
Information Systems	<i>Tyler Turnbull</i>
M. Jean Bolyard Math Award	<i>Jackson Moss</i>
Lalah Larew Math Award	<i>Paul Martin</i>

#### **School of Workforce Development –Robert D. Mills, Interim Dean**

Applied Process Technology	<i>Elijah Byard</i>
Applied Process Technology	<i>Jo Ann Benson</i>
Applied Process Technology	<i>Nicholas Hinkle</i>
Electric Utility Technology—Lineman	<i>Donald Pethtel III</i>
Electric Utility Technology—Substation	<i>John Jobes</i>
Petroleum Technology	<i>Skyler Mowery</i>

**School of Health Careers—Vickie L. Findley, Interim Dean**

ECG Technology	<i>Mariah Potoczny</i>
Health Information Technology	<i>Veronica Mendez</i>
Phlebotomy Advanced Skill Set	<i>Emily Cox</i>
Laboratory Assistant	<i>Maggie Hall</i>
Medical Laboratory Technology	<i>Britta Bleigh</i>
LPN	<i>Ashley Shrout</i>
Paramedic	<i>Chris Hackett</i>
The Glenice Q. Cather Memorial EMS Scholarship	<i>Chris Hackett</i>
The Glenice Q. Cather Memorial EMS Scholarship	<i>Bryan Hayden</i>
Physical Therapist Assistant	<i>Ashley Graham</i>
Veterinary Technology	<i>Autumn Ammons</i>
Angela Claypole Memorial Scholarship in Veterinary Technology	<i>Emily Rine</i>
Higinbotham-Quintrell Scholarship for Outstanding First Year Veterinary Technology Student	<i>Hallie Williams</i>

**School of Human Services—David M. Beighley, Interim Dean**

Applied Design/Design Specialist	<i>Jennifer Tucker</i>
Applied Design/Interior Design	<i>Jennifer Shelford</i>
Communications	<i>Sarah Margaret Hawkins</i>
Criminal Justice	<i>Derek Meluzio</i>
Early Childhood Education	<i>Danielle Milam</i>
Early Childhood Occupational Development Practitioner	<i>Kimberley M. Deusenberry</i>
WV Association for Young Children Student Group \$250 Scholarship	<i>Sarah Carnes</i>
WV Association for Young Children Student Group \$500 Scholarship	<i>Marissa L. Jennings</i>
Dr. Joanna Nesselroad Early Childhood Award	<i>Kelly Wilcox</i>
Excellence in Writing	<i>Michael Paul Davies</i>
Excellence in Writing	<i>Forrest Harley Marsh</i>
Food Service Management – Culinary Arts	<i>Stephanie Dawn Hawkins</i>
Chef Harvey Christie Memorial Scholarship Award	<i>Alecca Desiree Hunt</i>
The Martha Rhodes Culinary Arts Scholarship – Culinary Arts	<i>Stephen Douglas Nebel</i>
The Martha Rhodes Culinary Arts Scholarship – Pastry and Baking	<i>Helen Weng</i>
Food Service Management - Dietary Manager	<i>Tammy Lanette Satterfield</i>
The Joe and Marty Rhodes Endowed Dietary Manager Scholarship Award	<i>Tammy Lanette Satterfield</i>
Food Service Management – Pastry & Baking Arts	<i>Noah Elijah Hedrick</i>
Food Service Management – Resort and Hotel Management	<i>McKayla Arbutus Moore</i>
Interpreter Education	<i>Caitlyn Shrom</i>
Liberal Studies Pre-Social Work	<i>Jackson Moss</i>
Paralegal Studies—Landwork Concentration	<i>Bronwyn “Skye” Feather</i>

*Congratulations to all of our student honorees!*