

AAS IN GENERAL OCCUPATIONAL/TECHNICAL STUDIES
BS IN INDUSTRIAL TECHNOLOGY
ELECTRICAL/ELECTRONICS WITH ELECTRONICS EMPHASIS

**Ashland Technical College
General Occupational Technical
Studies, Associate of Applied
Science Degree Track in
Electronics Technology**

Your schedule at Ashland should include:

<u>First Semester</u>	<u>Cr Hrs</u>
EET 108 Electric Circuit Analysis	6
EET 109 Electric Circuit Analysis	4
MA 109 Algebra	3
MA 112 Trigonometry	2
CIS 100 Intro to Computers	3

<u>Second Semester</u>	<u>Cr Hrs</u>
EET 114 Electric Devices & Cir	6
EET 115 Electric Devices & Cir	4
IT 120 Cisco Internetworking I	4
IT 122 Cisco Internetworking II	4
ENG 101 Writing I	3

<u>Summer Session</u>	<u>Cr Hrs</u>
PHY 152* Introduction to Physics	3
COM 181 Basic Public Speaking	3

<u>Third Semester</u>	<u>Cr Hrs</u>
EET 204 Digital Systems & micro	6
EET 205 Digital Systems & micro	4
IT 220 Cisco Internetworking III	4
IT 222 Cisco Internetworking IV	4

<u>Fourth Semester</u>	<u>Cr Hrs</u>
EET 212 Electronic Comm	6
EET 213 Electronic Comm	4
ECO 101 Cont Economic Issues	3

<u>Summer Session</u>	<u>Cr Hrs</u>
ENG 102 Comp II or ENG 200 Writing II	3
Humanities Elective	3

*PHY 211 may be substituted for
PHY 152 to meet MSU requirements

**Morehead State University
Bachelor of Science
Industrial Technology
Electricity/Electronics Option**

Your Schedule at Morehead should include:

<u>First Semester</u>	<u>Cr Hrs</u>
IET 120 Technology Systems	3
GCT103 Fund of Tech Draw	3
MFT186 Manufacturing & Fab	3
♦ Humanities Elective	3
♦ Natural & Mathematical Sci Elect	3

<u>Second Semester</u>	<u>Cr Hrs</u>
IET 300 Technology & Soc	3
IET 317 Time & Motion	2
IET 320 Supervisory Practices	3
CON303 Materials Prop & Test	3
GCT 215 Computer Aided Drafting	3
IET 319 Quality Control	3

<u>Summer</u>	<u>Cr Hrs</u>
♦ Humanities Elective	3

<u>Third Semester</u>	<u>Cr Hrs</u>
IET 422 Ind Safety Standards	3
IET 327 Applied Ind Mngt	3
IET 330 Industrial Design	2
MATH 353 or 354 Statistics	3
♦ Social & Behavioral Sci Elective	3

<u>Fourth Semester</u>	<u>Cr Hrs</u>
IET 419 Total Quality Improv	3
EET 443 Industrial Electricity or EET 346 Prog Logic Con	3
EET 445 Computer Electronics	3
EET 480 Digital Comm	3
IET 499C Senior Project	3
IET 371 Seminar	1

❖ BS Degree requires a minimum of 128 credit hours.

❖ 43 credit hours must be in courses of 300 level or above.

AAS IN GENERAL OCCUPATIONAL/TECHNICAL STUDIES
BS IN INDUSTRIAL TECHNOLOGY
COMPUTER AIDED DESIGN AND GRAPHICS TECHNOLOGY

**Ashland Technical College
General Occupational Technical
Studies, Associate of Applied
Science Degree Track in
Computer Aided Drafting
Technology**

**Morehead State University
Bachelor of Science
Industrial Technology
Graphic Communications
Option**

Your schedule at Ashland should include:

<u>First Semester</u>		<u>Cr Hrs</u>
MA 109	Algebra	3
MA 112	Trigonometry	2
DRA 100	Basic Drafting 1	4
DRA 102	Basic Drafting 2	2
DRA 110	Basic Drafting 3	4
DRA 112	Basic Drafting 4	2

<u>Second Semester</u>		<u>Cr Hrs</u>
DRA 120	Comp Aided Drafting 1	4
DRA 122	Comp Aided Drafting 2	2
DRA 130	Descriptive Geometry 1	4
DRA 132	Descriptive Geometry 2	2
CIS 100	Intro to Computers	3
PHY 211	General Physics	5

<u>Summer Session</u>		<u>Cr Hrs</u>
DRA 220	Mechanical Design 1	4
DRA 222	Mechanical Design 2	2

<u>Third Semester</u>		<u>Cr Hrs</u>
ARC 130	Intro to Architecture	2
DRA 140	Adv Dim & Measure	3
DRA 200	Comp Aided Drafting 3	4
DRA 202	Comp Aided Drafting 4	2
DRA 210	Indust Draft Processes 1	4
DRA 212	Indust Draft Processes 2	2
ENG 101	Writing I	3

<u>Fourth Semester</u>		<u>Cr Hrs</u>
DRA 250	Advanced CAD	3
DRA 291	Special Problems	3
COM 181	Basic Public Speaking	3
ECO 101	Cont Economic Issues	3

Your Schedule at Morehead should include:

<u>First Semester</u>		<u>Cr Hrs</u>
EET 141	Direct Current Circuits	3
*ENG 102 or ENG 200	Writing II	3
IET 120	Technology Systems	3
♦ Humanities Elective		3
IET 330	Industrial Design	2
♦ Natural & Mathematical Sci Elect		3

*(*May be taken at either site prior to transfer)*

<u>Second Semester</u>		<u>Cr Hrs</u>
CON 303	Material Properties & test	3
IET 300	Technology & Society	3
IET 317	Time & Motion Study	2
IET 319	Quality Control	3
GCT or IET 300+	Elective	3
♦ Social & Behavioral Sci. Elective		3

<u>Third Semester</u>		<u>Cr Hrs</u>
IET 320	Supervisory Practices	3
GCT 404	Architectural Drawing	3
GCT 405	Civil Drafting	3
♦ Natural & Mathematical Sci Elect		3
♦ Humanities Elective		3

<u>Fourth Semester</u>		<u>Cr Hrs</u>
IET 419	Total Quality	3
♦ Humanities Elective		3
IET 499C	Senior Project	3
IET 327	Applied Industrial Mngt	3
IET 371	Seminar	1

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AAS IN GENERAL OCCUPATIONAL/TECHNICAL STUDIES
BS IN INDUSTRIAL TECHNOLOGY
ELECTRICAL/ELECTRONICS WITH ELECTRONICS EMPHASIS

**Ashland Technical College
General Occupational Technical
Studies, Associate of Applied
Science Degree Track in
Electronics Technology**

**Morehead State University
Bachelor of Science
Industrial Technology
Electricity/Electronics Option**

Your schedule at Ashland should include:

Your Schedule at Morehead should include:

<u>First Semester</u>		<u>Cr Hrs</u>
EET 108	Electric Circuit Analysis	6
EET 109	Electric Circuit Analysis	4
MA 109	Algebra	3
MA 112	Trigonometry	2
CIS 100	Intro to Computers	3

<u>First Semester</u>		<u>Cr Hrs</u>
IET 120	Technology Systems	3
GCT103	Fund of Tech Draw	3
MFT186	Manufacturing & Fab	3
♦	Humanities Elective	3
♦	Natural & Mathematical Sci Elect	3

<u>Second Semester</u>		<u>Cr Hrs</u>
EET 114	Electric Devices & Cir	6
EET 115	Electric Devices & Cir	4
IT 120	Cisco Internetworking I	4
IT 122	Cisco Internetworking II	4
ENG 101	Writing I	3

<u>Second Semester</u>		<u>Cr Hrs</u>
IET 300	Technology & Soc	3
IET 317	Time & Motion	2
IET 320	Supervisory Practices	3
CON303	Materials Prop & Test	3
GCT 215	Computer Aided Drafting	3
IET 319	Quality Control	3

<u>Summer Session</u>		<u>Cr Hrs</u>
PHY 152*	Introduction to Physics	3
COM 181	Basic Public Speaking	3

<u>Summer</u>		<u>Cr Hrs</u>
♦	Humanities Elective	3

<u>Third Semester</u>		<u>Cr Hrs</u>
EET 204	Digital Systems & micro	6
EET 205	Digital Systems & micro	4
IT 220	Cisco Internetworking III	4
IT 222	Cisco Internetworking IV	4

<u>Third Semester</u>		<u>Cr Hrs</u>
IET 422	Ind Safety Standards	3
IET 327	Applied Ind Mngt	3
IET 330	Industrial Design	2
MATH 353 or 354	Statistics	3
♦	Social & Behavioral Sci Elective	3

<u>Fourth Semester</u>		<u>Cr Hrs</u>
EET 212	Electronic Comm	6
EET 213	Electronic Comm	4
ECO 101	Cont Economic Issues	3

<u>Fourth Semester</u>		<u>Cr Hrs</u>
IET 419	Total Quality Improv	3
EET 443	Industrial Electricity	
	or EET 346 Prog Logic Con	3
EET 445	Computer Electronics	3
EET 480	Digital Comm	3
IET 499C	Senior Project	3
IET 371	Seminar	1

<u>Summer Session</u>		<u>Cr Hrs</u>
ENG 102	Comp II	
	or ENG 200 Writing II	3
	Humanities Elective	3

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♦ *43 credit hours must be in courses of 300 level or above.*

**PHY 211 may be substituted for PHY 152 to meet MSU requirements*

AAS IN GENERAL OCCUPATIONAL/TECHNICAL STUDIES
BS IN INDUSTRIAL TECHNOLOGY
CONSTRUCTION MANAGEMENT TECHNOLOGY

Ashland Technical College
General Occupational Technical
Studies, Associate of Applied
Science Degree Track in
Construction Carpenter

Morehead State University
Bachelor of Science
Industrial Technology
Construction/Mining Option

Your schedule at Ashland should include:

<u>First Semester</u>	<u>Cr Hrs</u>
CAR 126 Intro to Con Carp Lec	3
CAR 127 Intro to Con Carp Lab	1
CAR 140 Site Lay-Out & Foundation	3
CAR 141 Site Lay-Out & Foundation	2
ISX 100 Industrial Safety	3
MA 109 Algebra	3
ENG 101 English	3

<u>Second Semester</u>	<u>Cr Hrs</u>
CAR 190 Floor & Wall Framing Lec	3
CAR 191 Floor & Wall Framing Lab	2
CAR 196 Ceiling & Roof Framing Le3	3
CAR 197 Ceiling & Roof Framing La2	2
CIS 100 Intro to Computer Appl	3
PHY 151 Intro to Physics	3

<u>Third Semester</u>	<u>Cr Hrs</u>
CAR 150 Concrete Con Forms Lec	3
CAR 151 Concrete Con Forms Lab	2
CAR 200 Exterior & Int Finish Lec	3
CAR 201 Exterior & Int Finish Lab	2
PY 110 General Psychology	3
ECO 101 Economics	3

<u>Fourth Semester</u>	<u>Cr Hrs</u>
BRX 110 Basic Blueprint Reading	3
BRX 220 Blueprint Reading for Con	3
CAR 240 Cabinet Con & Install Lec	3
CAR 241 Cabinet Con & Install Lab	2
CAR 299 Cooperative Education or	
CAR 298 Practicum	2
COM 181 Basic Public Speaking	3

<u>Summer Session</u>	<u>Cr. Hrs</u>
Eng 102 or Eng 200	3

Your Schedule at Morehead should include:

<u>First Semester</u>	<u>Cr Hrs</u>
CON 203 Const Methods & Equip	3
GCT 215 Computer Aided Drafting	3
IET 120 Technology Systems	3
MFT 186 Manufacturing & Fab	3
MIN 305 Surface Mining Systems	3

<u>Second Semester</u>	<u>Cr Hrs</u>
CON 205 Estimating	3
CON 303 Materials Prop & Test	3
EET 140 Basic Electricity	3
CON 206 Construction Mngt	3
IET 317 Time & Motion	2
IET 319 Quality Control	3

Summer

- ◆ Natural & Mathematical Sci Elect 3
- ◆ Humanities Elective 3

<u>Third Semester</u>	<u>Cr Hrs</u>
IET 327 Applied Ind Mngt	3
IET 330 Industrial Design	2
IET 300 Technology & Soc	3
MATH 353 or 354 Statistics	3
MIN 307 Hydrology	3
◆ Humanities Elective	3

<u>Fourth Semester</u>	<u>Cr Hrs</u>
CON 310 Surveying II	3
IET 320 Supervisory Practices	3
IET 371 Seminar	1
IET 419 Total Quality Improv	3
IET499C Senior Project	3
◆ Humanities Elective	3

❖ *BS Degree requires a minimum of 128 credit hours.*

◆ *43 credit hours must be in courses of 300 level or above.*

AAS IN GENERAL OCCUPATIONAL/TECHNICAL STUDIES
BS IN INDUSTRIAL TECHNOLOGY
MANUFACTURING WITH CNC MACHINIST APPRENTICE

Ashland Technical College
General Occupational Technical
Studies, Associate of Applied
Science Degree Track in
CNC Machinist Apprentice

Morehead State University
Bachelor of Science
Industrial Technology
Manufacturing/Robotics Option

Your schedule at Ashland should include:

<u>First Semester</u>	<u>Cr Hrs</u>
MTT 114 Fund of Machine Tools	7
MTT 116 Metrology	2
BRX 110 Basic Blueprint for Mach	2
BRX 210 Mech Blueprint for Mach	2
CIS 100 Intro to Computer Appl	3
MA 109 Algebra	3

<u>Second Semester</u>	<u>Cr Hrs</u>
MTT 124 Applied Machining	7
MTT 134 Manual Prog cad/cam/cnc	6
SPC 240 Statistical Process Control	2
ENG 101 Writing I	3

<u>Summer I</u>	<u>Cr Hrs</u>
IEX 293 Special Problems II	2
PHY 151 Intro to Physics	3

<u>Third Semester</u>	<u>Cr Hrs</u>
MTT 214 Industrial Machining	7
MTT 230 Conversational Prog	6
SOC 101 Intro to Sociology or	
PY 110 General Psychology	3

<u>Fourth Semester</u>	<u>Cr Hrs</u>
MTT 224 Adv Ind Machining	5
MTT 240 Intro to 3D Prog	6
IEX 291 Special Problems I	2
COM 181 Basic Public Speaking	3

<u>Summer II</u>	<u>Cr Hrs</u>
MTT 299* Cooperative Education or MTT 298 Practicum	2

(*may substitute MFT 339 from MSU)

Your Schedule at Morehead should include:

<u>First Semester</u>	<u>Cr Hrs</u>
EET 141 Direct Current Circuits	3
ENG 102* or ENG 200 Writing II	3
IET 120 Technology Systems	3
GCT Elective	3
MATH141 Plane Trig	3
♦ Natural & Mathematical Sci Elect	3

(*May be taken at either site prior to transfer)

<u>Second Semester</u>	<u>Cr Hrs</u>
CON 303 Material Properties & test	3
IET 300 Technology & Society	3
IET 319 Quality Control	3
IET 330 Industrial Design	2
IET 317 Time & Motion Study	2
♦ Humanities Elective	3

<u>Summer I</u>	<u>Cr Hrs</u>
♦ Humanities Elective 300+ level	3
♦ Social & Behavioral Sci. Elective	3

<u>Third Semester</u>	<u>Cr Hrs</u>
IET 320 Supervisory Practices	3
MFT or EET Elective 300+ level	3
MFT or ROB Elective 300 + level	3
♦ Natural & Mathematical Sci Elect	3
♦ Humanities Elective	3

<u>Fourth Semester</u>	<u>Cr Hrs</u>
IET 419 Total Quality	3
IET 422 Industrial Safety	3
IET 499C Senior Project	3
MFT 488 Flexible Man Tech	3
IET 327 Applied Industrial Mngt	3
IET 371 Seminar	1

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❖ *43 credit hours must be in courses of 300 level or above.*

AAS IN GENERAL OCCUPATIONAL/TECHNICAL STUDIES
BS IN INDUSTRIAL TECHNOLOGY
MANUFACTURING WITH MACHINE SHOP APPRENTICE

Ashland Technical College
General Occupational Technical
Studies, Associate of Applied
Science Degree Track in
Machine Shop Apprentice

Morehead State University
Bachelor of Science
Industrial Technology
Manufacturing/Robotics Option

Your schedule at Ashland should include:

<u>First Semester</u>	<u>Cr Hrs</u>
MTT 114 Fund of Machine Tools	7
MTT 116 Metrology	2
BRX 110 Basic Blueprint for Mach	2
BRX 210 Mech Blueprint for Mach	2
MA 109 Algebra	3

<u>Second Semester</u>	<u>Cr Hrs</u>
MTT 124 Applied Machining	7
MTT 130 Manual Programming	3
SPC 240 Statistical Process Control	2
ENG 101 Writing I	3
PHY 151 Intro to Physics	3

<u>Third Semester</u>	<u>Cr Hrs</u>
MTT 214 Industrial Machining	7
IEX 293 Special Problems II	2
SOC 101 Intro to Sociology or	
PY 110 General Psychology	3
CIS 100 Intro to Computer Appl	3

<u>Fourth Semester</u>	<u>Cr Hrs</u>
MTT 224 Adv Ind Machining	5
MTT 299* Cooperative Education or MTT 298 Practicum	2
IEX 291 Special Problems I	2
COM 181 Basic Public Speaking	3

(*may substitute MFT 339 from MSU)

Summer Session
Social and Behavioral Sci. Elective 3

Your Schedule at Morehead should include:

<u>First Semester</u>	<u>Cr Hrs</u>
EET 141 Direct Current Circuits	3
*ENG 102 Comp II or ENG 200	3
IET 120 Technology Systems	3
GCT elective	3
MATH 141 Plane Trig	3
◆ Natural & Mathematical Sci Elect	3

(*May be taken at either site prior to transfer)

<u>Second Semester</u>	<u>Cr Hrs</u>
CON 303 Material Properties & test	3
IET 300 Technology & Society	3
IET 319 Quality Control	3
IET 330 Industrial Design	2
MFT 386 NC-CNC Man Tech	3
◆ Humanities Elective	3

<u>Summer I</u>	<u>Cr Hrs</u>
◆ Humanities Elective	3

<u>Third Semester</u>	<u>Cr Hrs</u>
IET 320 Supervisory Practices	3
MFT or EET elective 300+ level	3
MFT or ROB elective 300+ level	3
◆ Natural & Mathematical Sci Elect	3
IET 317 Time & Motion Study	2
◆ Humanities Elective	3

<u>Fourth Semester</u>	<u>Cr Hrs</u>
IET 419 Total Quality	3
IET 499C Senior Project	3
MFT 488 Flexible Man Tech	3
IET 327 Applied Industrial Mngt	3
IET 371 Seminar	

◆ BS Degree requires a minimum of 128 credit hours.

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