

# BIG BEND COMMUNITY COLLEGE

## Pathway to a Bachelor's Degree

### Industrial Electrical Technology through BAS-AM



The Bachelor's in Applied Management (BAS-AM) degree builds upon your existing associate degree by adding junior and senior year courses focusing on applied management. The program provides customized high-demand management skills courses geared toward the needs of various industry sectors in the local economy. This advising map outlines the pathway for students completing the *Associate in Applied Science Industrial Electrical Technology* degree to continue on into the BAS-AM program.

Please note that this advising map does not guarantee admission into the BAS-AM program.

#### Learn More...

- BAS-AM program details and application at: <https://www.bigbend.edu/academics/bas-in-applied-management/>

NAME: \_\_\_\_\_

### Industrial Electrical Technology Degree Requirements (~105 CREDITS)

#### Transferrable Electives to meet BAS-AM Entry Requirements (20-25 credits)

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> ENGL&amp; 101 – English Composition (5) <i>(BAS-AM entry req.)</i></li> <li><input type="checkbox"/> MAP 117 – Applied Math for Workforce Programs 1 (meets AAS req) (5)</li> <li><input type="checkbox"/> MATH&amp; 107 Math in Society (5) with DVS 070 Just in Time Math Support <i>(BAS-AM entry req.)</i></li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> CMST&amp; 220 – Public Speaking (5) <i>OR</i> CMST&amp; 210 Interpersonal Communications <i>(Meets BAS-AM entry req.)</i></li> <li><input type="checkbox"/> SOC&amp; 101 – Introduction to Sociology (5) <i>OR</i> PSYCH&amp; 100 – General Psychology (5) <i>(Either meet BAS-AM entry req.)</i></li> </ul> |
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#### Technical Program Core (85 credits)

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> IST 100 – Intro. to Industrial Safety and Health (3)</li> <li><input type="checkbox"/> IST 102 – Technical Drawing Interpretation (3)</li> <li><input type="checkbox"/> IST 105 – Basic Electricity: DC Circuit Analysis (5)</li> <li><input type="checkbox"/> IST 106 – Basic Electricity: AC Circuit Analysis (5)</li> <li><input type="checkbox"/> IST 107 – Industrial Electricity I (5)</li> <li><input type="checkbox"/> IST 110 – Intro. to National Electrical Code (2)</li> <li><input type="checkbox"/> IST 111 – National Electrical Code II (2)</li> <li><input type="checkbox"/> IST 112 – National Electrical Code III (2)</li> <li><input type="checkbox"/> IST 113 – Ind. Elec. Installation Techniques (5)</li> <li><input type="checkbox"/> IST 120 – Intro. to Preventive/Predictive Maint. (3)</li> <li><input type="checkbox"/> FAD 150 – Industrial First Aid &amp; CPR (2)</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> IST 150 – Intro. to Programmable Logic Controls I (5)</li> <li><input type="checkbox"/> IST 152 – Programmable Automation Control (5)</li> <li><input type="checkbox"/> IST 170 – Intro. to Instrumentation (5)</li> <li><input type="checkbox"/> IST 207 – Industrial Electricity II (5)</li> <li><input type="checkbox"/> IST 208 – Industrial Electricity III (5)</li> <li><input type="checkbox"/> IST 221 – Electronics I (Principles) (5)</li> <li><input type="checkbox"/> IST 222 – Electronics II (Applications) (5)</li> <li><input type="checkbox"/> IST 223 – Electronics III (Industrial) (5)</li> <li><input type="checkbox"/> IST 270 – Instrumentation II &amp; Control Actuators(5)</li> <li><input type="checkbox"/> MCT 101 – Mechatronics I (5)</li> </ul> |
|--|--|

#### Bachelor of Applied Science- Applied Management

##### BAS-AM Entry Requirements:

- Completed associate degree or 90 college-level credits
- Cumulative GPA of 2.5 or above
- Earned 2.0 GPA in the following courses:
  - Any college-level math or PHIL& 120
  - ENGL& 101
  - Humanities
  - Social Science

##### Getting Started in BAS-AM:

- BAS-AM Program Application is available February 1 for the following fall cohort.
- Already admitted BBCC students apply to the program only, no need to apply to BBCC again.
- We will pull BBCC transcripts. Official transcripts are required for college credits outside of BBCC.
- Financial Aid and scholarships are available.

**SEE NEXT PAGE FOR BAS-AM COURSES AND TIPS....**

## Bachelor of Applied Science-Applied Management Degree Requirements (90 CREDITS)

### Lower-Division Courses

- ENGL& 235 Technical Writing (5)
- PHIL& 120 Symbolic Reasoning (5)\*
- ECON& 201 Microeconomics (5)\*
- ENVS& 100 Survey of Environmental Science(5) \*
- CHEM 110 Chemical Concepts with Lab (5)\*
- BUS& 101 Introduction to Business or BUS& 201 Business Law (5)\*

*\*Students may work with advisor to choose another course that also meets the assigned distribution req.*

### Upper-Division Courses

- SOC 320 Organizational Behavior (SS) (5)
- CMST 330 Organizational Communication (5)
- PHIL 340 Professional Ethics (HU) (5)
- MGMT 305 Business Management (5)
- MGMT 310 Accounting for Managers (5)
- MGMT 350 Marketing for Managers (5)
- MGMT 370 Organizational Leadership (5)
- MGMT 380 Human Resource Management (5)
- MGMT 410 Financial Management (5)
- MGMT 430 Project Management (5)
- MGMT 440 Operations Management (5)
- MGMT 460 Applied Management Capstone (5)

## Industrial Electrical Technology + BAS-AM DEGREES TOTAL: ~195 CREDITS

### BAS-AM FIRST YEAR ADVISING

FALL (15 CR)	WINTER (15CR)	SPRING (15CR)
SOC 320 (5) ENGL& 235 (5) PHIL& 120 (5)	BUS& 101 or BUS& 201 (5) ECON& 201 (5) CMST 330 (5)	MGMT 310 (5) MGMT 305 (5) ENVS& 100 (5)
<input type="checkbox"/> Fill out FAFSA or WAFSA for next year <input type="checkbox"/> Work with BAS-AM Coordinator to develop quarterly plan to degree completion	<input type="checkbox"/> Complete and submit BBCC Foundation app (due early March)	<input type="checkbox"/> Identify need to take summer courses

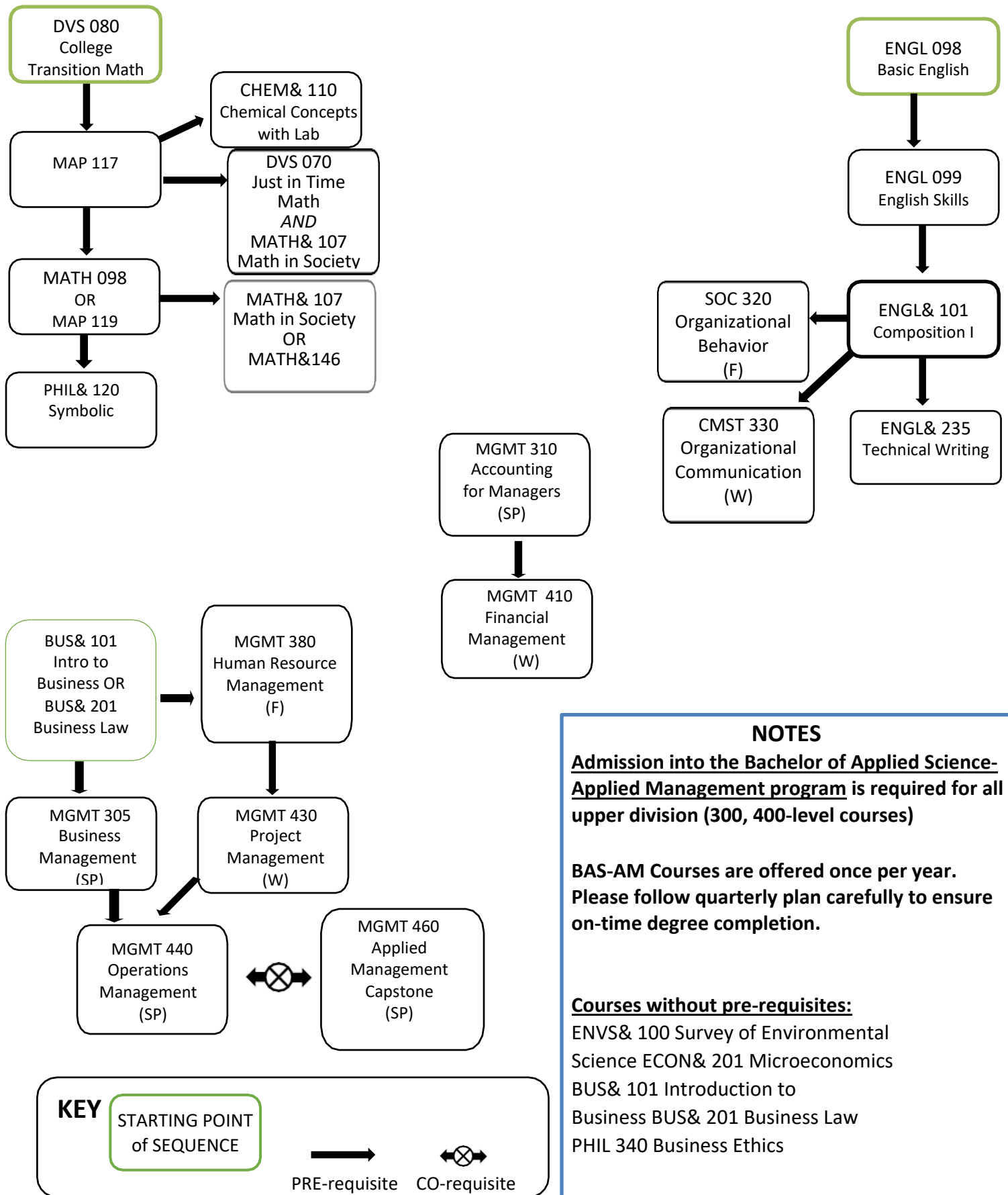
### BAS-AM SECOND-YEAR ADVISING

FALL (15CR)	WINTER (15 CR)	SPRING (15CR)
CHEM 110 (5) PHIL 340 (5) MGMT 380 (5)	MGMT 370 (5) MGMT 410 (5) MGMT 430 (5)	MGMT 350 (5) MGMT440 (5) MGMT 460 (5)
<input type="checkbox"/> Fill out FAFSA or WAFSA if returning next year <input type="checkbox"/> Work with BAS-AM Coordinator to confirm degree completion plan	<input type="checkbox"/> If completing degree by next fall quarter, submit the <a href="#">graduation application</a> . <input type="checkbox"/> If returning next year, submit the BBCC Foundation App.	<input type="checkbox"/> Identify need to take summer courses <input type="checkbox"/> Work with Career Services for job seeking readiness!

### TIPS FOR PREPARING FOR THE BACHELOR OF APPLIED SCIENCE-APPLIED MANAGEMENT PROGRAM

- Explore subjects and topics that you are interested in learning more about and/or connect with the career you are interested in pursuing throughout the AA&S DTA degree.
- Work with your advisor throughout the AA&S DTA degree to stay on track with meeting academic and personal goals.
- All BAS-AM students need to complete 180 credits, all core courses, and required distribution areas.
- Be prepared to apply for the BAS-AM program in February for the following Fall Cohort.
- Earning good grades and completing credits will provide you more financial aid coverage in BAS-AM. Financial Aid and scholarships are available for eligible students.

**Bachelor of Applied Science-Applied Management PRE-REQUISITE FLOW CHART** Start by talking with an advisor to determine which courses to incorporate into your education plan. This flow chart mostly outlines Management, English, Economics, and Math courses with a prerequisite.





NAME: \_\_\_\_\_

QUARTERLY REGISTRATION PLANNING					
QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER			REGISTRATION ACCESS CODE _____		
CLASS	TITLE	CREDITS	DAYS	TIME	ITEM #

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