

**Articulation Agreement  
between  
Wichita Area Technical College  
and  
Kansas State University Salina  
Regarding the**

**Joint Baccalaureate Program in Aeronautical Technology – Avionics Systems and Management**

Wichita Area Technical College (WATC) and Kansas State University Salina (K-State) agree to work cooperatively to facilitate students' studies at WATC and subsequent transfer to K-State to obtain a baccalaureate degree in Aeronautical Technology with an option in Avionics Systems and Management (BATN-AV). Normally, students will begin their studies at WATC and complete an Associate of Applied Science (AAS) degree in Avionics Technology. When accepted into the program at WATC, students may use the services of a K-State faculty advisor, who will facilitate the transfer process. These students will qualify for use of the current curriculum requirements at the time of admission to K-State, as published in the *Kansas State University Undergraduate Catalog*.

The *Aeronautical Technology – Avionics Systems and Management Transfer Planning Guide* (Attachment 1) lists those courses that are accepted for transfer by K-State, provided the final grades meet prerequisite requirements.


The two institutions will each identify a liaison officer whose role will be to communicate with the other institution regarding procedures and requirements, curriculum matters, equivalent transfer credit, course equivalencies, course requirements, changes in personnel, and academic advisement as needed to operate the program. Written and telephone inquiries from students and staff of WATC will be welcomed by the liaison officer at K-State, so that a students' questions can be answered prior to arrival at K-State.

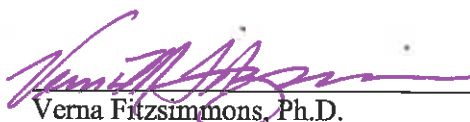
The liaison officers from K-State and WATC will meet periodically to discuss matters related to this agreement. One of the objectives of these meetings will be to endeavor to establish common syllabi and common textbooks for the courses accepted for transfer per Attachment I. Attachment I can be modified by mutual written consent by the respective academic officers of the two institutions.

WATC agrees to make its students aware of the opportunities afforded by this articulation and will identify the Kansas State University Articulation Agreement in its catalogs. WATC also agrees to notify the K-State liaison officer of any changes that influence the program.

This document will be re-evaluated annually to determine whether or not this agreement should be modified or continued. It is not intended to confer enforceable rights on any third party.

This agreement is entered into this 28 day of August, 2013 by:  
(DAY) (MONTH) (YEAR)

  
\_\_\_\_\_  
Anthony Kinkel, Ph.D.  
President  
Wichita Area Technical College

  
\_\_\_\_\_  
Verna Fitzsimmons, Ph.D.  
CEO/Dean  
Kansas State University Salina

**K-State Salina and Wichita Area Technical College**  
**The Avionics Transfer Planning Guide**  
**Attachment I**

**BS in Aeronautical Technology - Avionics Systems and Management (BATN-AV)**

**Freshman Fall Semester**

<b>K-State Salina BATN-AVIO</b>		<b>Credit Hours</b>	<b>Recommended WATC Courses</b>		<b>Credit Hours</b>
AVM 131	Aircraft Standards	4			
ECET 100	Basic Electronics	4	AVT 101	Basic Electricity and Electronics*	3
			AVT 102	Basic Electricity and Electronics Lab*	3
ENGL 100	Expository Writing I	3	ENG 101	Composition I	3
MATH 100	College Algebra	3	MATH 112	College Algebra	3
<b>TOTAL:</b>		<b>14</b>	<b>TOTAL:</b>		<b>12</b>

**Freshman Spring Semester**

<b>K-State Salina BATN-AVIO</b>		<b>Credit Hours</b>	<b>Recommended WATC Courses</b>		<b>Credit Hours</b>
ECET 101	Direct Current Circuits	3	AVT 105	Avionics Systems & Troubleshooting *	2
			AVT 106	Avionics Systems & TS Lab (1/3)*	3
COMM 106	Public Speaking I	3	SPH 101	Introduction to Public Speaking	3
MATH 150	Plane Trigonometry	3			
AVT 100	Introduction to Aviation	3			
<b>TOTAL:</b>		<b>12</b>	<b>TOTAL:</b>		<b>8</b>

**Sophomore Fall Semester**

<b>K-State Salina BATN-AVIO</b>		<b>Credit Hours</b>	<b>Recommended WATC Courses</b>		<b>Credit Hours</b>
AVM 241	Navigational Aids and Comm. Systems	3	AVT 112	Aircraft Elec, Comm & Nav Sys (Part 2)	2
			AVT 113	Aircraft Elec, Comm & Nav Sys Lab (Part 2)	3
ECET 201	Alternating Current Circuits	4	AVT 107	Basic Communication Electronics (3/3)*	3
			AVT 106	Avionics System & TS Lab (1/3)*	
ECET 250	Digital Logic	4	AVT 125	Digital Electronics Fundamentals*	2
			AVT 126	Digital Electronics Fundamentals Lab*	2
MATH 205	General Calculus and Linear Algebra	3			
PHYS 113	General Physics I	4	PHS 120	General Physics I	5
<b>TOTAL:</b>		<b>18</b>	<b>TOTAL:</b>		<b>17</b>

### Sophomore Spring Semester

K-State Salina BATN-AVIO		Credit Hours	Recommended WATC Courses		Credit Hours
AVM 162	Airframe Electrical Systems	4	AVT 108	Wiring & Cannon Plug Lab	2
			AVT 110	Aircraft Elec, Comm, & Nav Sys (Part 1)	3
ENGL 200	Expository Writing II	3	ENG 120	Composition II	3
Elective	Humanities/Social Science	3	Elective	Humanities/Social Science	3
Elective	Natural Science Elective	3	Elective	Natural Science Elective	3
Elective	Aviation or Electronics Elective**	3	AVT 111	Aircraft Elec, Comm, & Nav Sys lab (Part 1)	3
<b>TOTAL:</b>		<b>16</b>	<b>TOTAL:</b>		<b>17</b>

### Junior Fall Semester

K-State Salina BATN-AVIO		Credit Hours	Recommended WATC Courses		Credit Hours
AVT 315	Advance Avionics	3			
AVT 317	Composites I	3			
AVT 327	Avionics Repair	3			
Elective	Aviation Elective (Upper Division)	3			
Elective	Electronics Elective	4	AVT 135	Advance Anolog & Digital Communication	2
			AVT 136	Advance Anolog & Digital Communication Lab	2
<b>TOTAL:</b>		<b>16</b>	<b>TOTAL:</b>		<b>4</b>

### Junior Spring Semester

K-State Salina BATN-AVIO		Credit Hours	Recommended WATC Courses		Credit Hours
AVT 330	Avionics Troubleshooting	4			
BUS 315	Supervisory Management	3			
COMM 311	Business and Professional Speaking	3			
Elective	Humanities, Business or Social Science (UD)	3			
Elective	Humanities or Social Science	3	Elective	Humanities or Social Science	3
<b>TOTAL:</b>		<b>16</b>	<b>TOTAL:</b>		<b>3</b>

### Senior Fall Semester

K-State Salina BATN-AVIO		Credit Hours	Recommended WATC Courses		Credit Hours
AVT 430	Advance Avionics Installation	4			
AVT 410	Aviation Maintenance Management	3			
ENGL 302	Technical Writing	3			
Elective	Aviation or Electronics Elective (UD)	3			
Elective	Aviation or Electronic Elective**	3	AVT 115	Basic Communications Electronics Lab	3
<b>TOTAL:</b>		<b>16</b>	<b>TOTAL:</b>		<b>3</b>

### Senior Spring Semester

K-State Salina BATN-AVIO		Credit Hours	Recommended WATC Courses		Credit Hours
AVT 428	Avionics Installation	3			
AVT 429	Avionics Maintenance	3			
Elective	Aviation or Electronic Elective (Upper Div)	3			
Elective	Aviation Elective	4	AVT 122	Certification Preparation II for NCATT	4
Elective	Humanities, Business or Social Science (UD)	3			
<b>TOTAL:</b>		<b>16</b>	<b>TOTAL:</b>		<b>4</b>

\*Course equivalents are for the avionics program only and do not apply to the Electronic Engineering Technology program

\*\*Students may want to talk to their KSU advisor before using WATC for their electronic/aviation electives. These electives are designed to help the student achieve their specific career goal.

<b>Total K-State bachelor's degree hours:</b>	<b>124</b>	
<b>Total WATC hours transferred:</b>	<b>68**</b>	(See ** above)
<b>Total WATC hours applied:</b>	<b>61**</b>	
<b>Total upper-division hours:</b>	<b>50</b>	

**Notes:**

- (1) 45 hours must be upper-division coursework, 300-level and above
- (2) One half or more of degree requirements must be earned at K-State or other 4-year institution
- (3) At least 30 hours total, and at least 20 of the last 30 hours must be earned from K-State.
- (4) K-State 8 requirements apply. See advisor for details.

**Contact Information:**

- K-State at Salina Admissions Office: 1-800-248-5782 or 785-826-2640
- Aviation Department: 785-826-2940, Raylene Alexander, Avionics
- <http://www.sal.ksu.edu/aviation/avionics.htm>