

# Service High Biomedical Career Academy Application Packet



**Service High School  
5577 Abbott Road  
Anchorage, Alaska 99507  
Contact: williamson\_kaity@asdk12.org or pillai\_vani@asdk12.org  
Tel: 742 8100  
<http://shsbiomedicalcareeracademy.weebly.com>**

**Dear Prospective BCA Student,**

Thank you for your interest in Service High's Biomedical Career Academy program! Attached you will find our current application as well as more detailed information about our academy. Please take some time to read these attachments closely.

BCA is an academy within Service High School that includes participation in a BCA Advisory. The goal is to extend student learning outside the classroom in the area of the medical sciences and healthcare. Students are required to spend 36 hours outside of school participating in HOSA (a national healthcare student organization- more info to follow), job shadowing, service learning, or attending presentations, etc. Hours can be obtained in many ways. Though it may seem daunting at first, the 36 hours goes by quickly for many BCA students. You will be assigned a BCA Advisory teacher to help you along with your specific goals.

It is required that BCA students take 4 years of science classes. BCA is a nationally certified biomedical program that offers an exciting array of hands-on STEM based classes through Project Lead the Way (PLTW). Class content can be viewed at [www.pltw.org/our-programs/high-school-biomedical-sciences-program](http://www.pltw.org/our-programs/high-school-biomedical-sciences-program).

Please make sure your application is completely filled out and typed (both you and your parent must initial and sign pages 2 and 3). Completed applications can be turned in to the front office at Service High School by the lottery due date. All late applications will be considered on a space-available basis.

In addition to filling out this paper application, you must complete the ASD online lottery application found at: <https://lotapp.asdk12.org/apply/>

**The due date for all applications is located on the ASD lottery site above.**

Please take some time to explore BCA via our website: <http://shsbiomedicalcareeracademy.weebly.com>

Feel free to contact us with any questions,

**Service High BCA Staff**

# Application to the Biomedical Career Academy at SHS

## BCA Student Expectations

**GPA: Maintaining a C average with NO F's**

**Parent/Student Initial: \_\_\_\_/\_\_\_\_**

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BCA is an optional program and holds high standards for its students. Successful completion of pre-requisites is required to move through the BCA curriculum. A student who is failing any of their classes is subject to one semester probation with possible removal from BCA (this includes not passing advisory credits). If students encounter difficulties in their current classes, then it will be the student's responsibility to contact their teacher/advisor and address these issues.

**Parent Involvement**

**Parent/Student Initial: \_\_\_\_/\_\_\_\_**

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Parents are expected to volunteer for 5 hours per year. We encourage parents to get involved with the BCA Booster Club by chaperoning events, fundraising and volunteering. The success of our academy and its students depends on parental involvement.

**BCA Participation**

**Parent/Student Initial: \_\_\_\_/\_\_\_\_**

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All BCA students are encouraged to participate in the following events:

- Overnight Fall Retreat
  - Community building campout with leadership activities, medical scenarios, and great company!
- HOSA State Conference- March
  - HOSA is our National Career Technical and Student Organization (CTSO). All BCA students are members and will compete in various medical events at the 3-day State HOSA Conference in the Spring. Qualifying students will have the opportunity to compete at Nationals in June. See [www.hosa.org](http://www.hosa.org) and [www.ctsoalaska.org](http://www.ctsoalaska.org) for more information.
- Spring Expo/Spring Fling Workshops
  - The Expo is a showcase of student work open to the public. We alternate the Expo each spring with a medical workshop day for the BCA students.

**Advisory (extracurricular credits)**

**Parent/Student Initial: \_\_\_\_/\_\_\_\_**

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Advisory credits are fulfilled as following:

**9<sup>th</sup> and 10<sup>th</sup> grades-** Exploratory activities: volunteering, attending presentations/workshops, reading medical books, etc...

**11<sup>th</sup> grade-** Community Service Project- concept, design, execute, and reflect.

**12<sup>th</sup> grade-** Capstone project with mentor in the community- job shadow, execute project, present to an audience of industry leaders, parents, and students.

**Graduation Cord**

**Parent/Student Initial: \_\_\_\_/\_\_\_\_**

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Successful BCA students earn a cord to wear at graduation. Please see the program of study for cord requirements.

**Student Behavior**

**Parent/Student Initial: \_\_\_\_/\_\_\_\_**

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BCA students will be held accountable to all ASD and Service High behavior policies. Failure to comply with BCA expectations and the greater ASD policies may result in removal from BCA.

# Student Information:

Student Name: \_\_\_\_\_

Current Grade: 8 9

Contact Phone: \_\_\_\_\_

ASD Student ID # \_\_\_\_\_

Parent/Guardian Name(s): \_\_\_\_\_

Address: \_\_\_\_\_

Student email: \_\_\_\_\_

Parent/Guardian email: \_\_\_\_\_

Current School: \_\_\_\_\_ Current Science Teacher: \_\_\_\_\_

In order to participate successfully in the Biomedical Career Academy, students and parents need to be committed to the following:

- **Responsibility and self-direction**
- **Self-respect and respect for others**
- **Willingness to work cooperatively with others at school and in the community**
- **Willingness to strive for positive change and self-improvement**
- **Extracurricular volunteering, job shadowing, presentation attendance**
- **Fees: \$115 per semester covers all BCA activities**

By signing this document, it is understood that you have read all of the above (and attached) BCA requirements. I agree that I have the qualities, attitudes, and interest necessary to participate successfully in Service High's Biomedical Career Academy.

**Student Signature:** \_\_\_\_\_

By signing this document, it is understood that you and your child have read all of the above (and attached) BCA requirements. I acknowledge that my child will abide by all of the above.

I agree that my child has the qualities, attitudes, and interest necessary to participate successfully in Service High's Biomedical Career Academy.

**Parent/Guardian Signature:** \_\_\_\_\_

**The following steps must be completed:**

1. **Read and initial all required expectations in the application (page 2)**
2. **In 250 words or less, explain the following in a typed essay (please attach to this application).**
  - What is your future career aspiration? Why?
  - Why should you be admitted into the Academy?
  - What are your personal strengths and weaknesses?
  - What contributions can you make to the Biomedical Academy community at Service?
3. **Apply online via the ASD lottery website- <https://lotapp.asdk12.org/apply/>**

# Service High School Biomedical Career Academy

## Program Course Sequence

The Biomedical Career Academy offers four years of relevant and rigorous Project Lead The Way- Biomedical Sciences classes for all BCA students during the school day. All BCA students are enrolled in PLTW classes along with an extracurricular advisory credit with their BCA advisor. Movement through the curriculum requires successful completion of prerequisites in PLTW courses and passing BCA Advisory. BCA Advisory classes are participation credits with passing set at 80% (students must complete 36 hours to earn .25 elective credit). All BCA students are encouraged to be active members of HOSA, a national future health careers Career Technical Student Organization.

Students taking either AP Biology or AP Chemistry in conjunction with PLTW classes can earn AP+PLTW recognition. See CollegeBoard for more information:

<https://apstudent.collegeboard.org/exploreap/the-ap-experience/ap-project-lead-the-way>

### Program Course Sequence

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
Courses		Courses		Courses		Courses	
Course	Pre-Req	Course	Pre-Req	Course	Pre-Req	Course	Pre-Req
English I		English II		English III or AP Language		English IV or AP Literature	
AK Studies Ancient Civilizations		World History		US History		US Government Economics	
Math		Math		Math		Math	
<b>PLTW- Principles of the Biomedical Sciences (PBS)</b>	None	<b>PLTW- Human Body Systems (HBS)</b>	<b>PBS  AND  BCA Advisory</b>	<b>PLTW- Medical Interventions (MI)</b>	<b>HBS  AND Biology  AND BCA Advisory</b>	<b>PLTW- Biomedical Innovations* (BI)</b>	<b>MI  AND  BCA Advisory</b>
Biology (with concurrent geometry) or Elective		Biology or Chemistry		Chemistry or Elective		Elective	
Elective		Elective		Elective		Elective	
<b>Extracurricular:</b> <ul style="list-style-type: none"> <li>• BCA Advisory- Exploratory activities</li> <li>• HOSA</li> </ul>		<b>Extracurricular:</b> <ul style="list-style-type: none"> <li>• BCA Advisory- Exploratory activities</li> <li>• HOSA</li> </ul>		<b>Extracurricular:</b> <ul style="list-style-type: none"> <li>• BCA Advisory- Community Service Project</li> <li>• HOSA</li> </ul>		<b>Extracurricular:</b> <ul style="list-style-type: none"> <li>• BCA Advisory- Job Shadow Project</li> <li>• HOSA</li> </ul>	
.25 Elective Credit (45 hours)		.25 Elective Credit (45 hours)		.25 Elective Credit (45 hours)		.25 Elective Credit (45 hours)	

\*Students may replace BI with AP Chemistry

# BCA Graduation Cords

**Students who satisfy the requirements below earn a BCA cord to be worn at SHS graduation. Seniors are awarded cords at a BCA graduation ceremony where they are recognized for their accomplishments with both peers and parents of the BCA community. Cords are maroon and navy, HOSA colors.**

1. Must have taken at least four BCA Science classes (PBS, HBS, MI, and BI or AP Chemistry)
2. Students must pass 3 years of advisory
3. Students must have attended 3 HOSA conferences
4. Students must have a cumulative GPA of 3.0 or higher
5. Students must pass Capstone Project (12<sup>th</sup> grade)
6. Students must complete Community Service Project (11<sup>th</sup> grade)
7. Good academic standing (no suspensions or disciplinary actions taken by BCA staff) and satisfy all ASD graduation requirements