

## Community College Internships (CCI)

Summer 2022 - Application for: Dillon Thomas Babor

### APPLICANT PROFILE

#### General Applicant Information

**First Name:** Dillon

**Middle Name:** Thomas

**Last Name:** Babor

**Previous Last Name(s):**

**Primary Email Address:** dillonbabor@gmail.com

**Alternate Email Address 1:** dbabor02@gmail.com

**Alternate Email Address 2:**

**ORCID:** [0000-0003-4001-1073](https://orcid.org/0000-0003-4001-1073)

#### Current Address

**Primary Phone Number:** 743-201-6482

**Alternate Phone Number:**

#### Citizenship/Languages/Eligibility Information

**I will be 18 years of age or older by the time the internship begins:** Yes

**Are you a U.S. Citizen?** Yes

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### EDUCATIONAL BACKGROUND

#### Academic Information

Are you currently attending a community college?

Yes

Current academic status: First-Year Community College Student

If you are selected as a participant in this DOE program, will you receive academic credit from your university/college for participating?

No

#### Undergraduate Institution Information

College/University Country: United States and U.S. Territories

College/University State/Province/Territory: North Carolina

College/University Name: Forsyth Technical Community College

College/University Address: 2100 Silas Creek Parkway

College/University City: Winston-Salem

College/University Zip Code: 27103-5197

Expected/Declared Major: Computer Sciences and Information Technology - Web Page, Digital/Multimedia and Information Resources Design

Expected Degree From This College/University: 2 Year Associate

Expected/Completed Graduation Date: January / 2023

Transcript: DillonBabor\_Transcript\_12-17-2021\_(R).pdf

Does this institution provide grades? Yes

GPA Scale: 4.0

Total Attempted Credits: 16.00

Total Earned Credits: 16.00

Total Quality Points: 64.00

GPA: 4.00

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### Science, Technology, Engineering and Mathematics (STEM) Courses

**Course Title:** Intro to Engineering

**Course Number:** EGR-150

**Enrollment Status:** Currently Enrolled

**Course Title:** Precalculus Algebra

**Course Number:** MAT-171

**Enrollment Status:** Currently Enrolled

**Course Title:** Precalculus Trigonometry

**Course Number:** MAT-172

**Enrollment Status:** Currently Enrolled

**Course Title:** Python Programming

**Course Number:** CSC-121

**Enrollment Status:** Currently Enrolled

### High School Graduation or GED

**Date of High School Graduation or GED:** December / 2020

**Country:** United States

**City:** Durham

**State/Province/Territory:** NC

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### WORK EXPERIENCE & SKILLS

#### Professional Associations

Are you a member of any  
professional organizations?

No

#### Computer Skills

**Computer related skills:** Proficient with Microsoft Office. Basic knowledge of HTML, CSS, C++, and Python.

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### PROGRAM INFORMATION

#### Eligibility

Have you previously participated in 2 CCI appointments? No

#### Previous DOE Internship/Fellowship or Lab Activity Experience

Have you ever had an internship/fellowship with the Department of Energy or any of its National Laboratories (such as SULI, CCI, VFP) or attended an activity at one of the National Laboratories (such as a Mini-Semester or Sustainable Research Pathways)? No

#### Availability

What is the earliest date you can begin your internship? 5/1/2022

When do you need to complete your internship? 9/1/2022

#### First Choice Host DOE Laboratory

DOE Laboratory: Thomas Jefferson National Accelerator Facility (TJNAF)

First Choice Technical Project Area: Accelerator Engineering and Technology

Second Choice Technical Project Area: Engineering Technology - Environmental

Third Choice Technical Project Area: Engineering Technology - Materials

#### Second Choice Host DOE Laboratory

DOE Laboratory: Savannah River National Laboratory (SRNL)

First Choice Technical Project Area: Chemical Analysis and Instrumentation

Second Choice Technical Project Area: Engineering Technology - Chemical

Third Choice Technical Project Area: Chemical Technology

#### Relatives Employed at DOE Laboratories

Are you a relative of an employee at the proposed host DOE laboratories? No

### ESSAYS

Technical/Research Experience: This would be my first research experience.

Technical/Research Interests: I am currently looking to widen my experiences in the STEM field. While I am currently studying Web Development, I plan to change my major into a more hands on field.

Personal Experience: I am persistent in everything I do, if at first I am wrong I will modify my approach until a correct answer is found. At Forsyth Tech I am apart of a fellowship of STEM students as part of a STEM Core program. As part of this program I have attended engineering related conferences and workshops, alongside projects such as building and programming a basic robot.

Professional Goals: Participation in this program will provide me with a pathway to pursue towards a STEM career. I plan on pursuing a relevant degree related to the internship.

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### RECOMMENDATIONS

**Recommendation 1:** **First Name:** Matthew  
**Last Name:** Reader  
**Email:** mreader@forsythtech.edu  
**Status:** Received 1/10/2022

**Recommendation 2:** **First Name:** Patricia  
**Last Name:** Jones  
**Email:** pjones@forsythtech.edu  
**Status:** Received 1/9/2022

**Recommendation 3:** **First Name:** Tandeka  
**Last Name:** Boko  
**Email:** tboko@forsythtech.edu  
**Status:** Not Received

## Forsyth Technical Community College

Date: 17 Dec 2021  
 Name: Babor, Dillon T

SSN: [REDACTED]  
 Birth Date: [REDACTED]  
 ID: 1998300

Issued to:  
 Dillon T. Babor  
 211 Kerner Knolls Dr.  
 Kernersville NC 27284

## Curriculum:

				Hrs	Hrs	Grade	
Course	Title/Comments	Grd	Repeat	Att	Cmpl	Points	Course Dates
-----	-----	---	-----	-----	-----	-----	-----
	Summer Semester 2021						
ACA-122*A	College Transfer Success	A		1.00	1.00	4.00	07/26/21-08/06/21
MAT-003	Transition Math	P3		0.00	3.00	0.00	07/06/21-08/05/21
	Term Totals:			1.00	4.00	4.00	GPA = 4.000
	Cumulative Totals:			1.00	4.00	4.00	GPA = 4.000
	Fall Semester, 2021						
CTI-110	Web, Pgm, & Db Foundation	A		3.00	3.00	12.00	08/16/21-12/09/21
CTI-120	Network & Sec Foundation	A		3.00	3.00	12.00	08/16/21-12/09/21
EGR-150*A	Intro to Engineering	A		2.00	2.00	8.00	08/16/21-10/07/21
MAT-171*U	Precalculus Algebra	A		4.00	4.00	16.00	10/14/21-12/09/21
WEB-111	Intro to Web Graphics	A		3.00	3.00	12.00	08/16/21-12/09/21
	Term Totals:			15.00	15.00	60.00	GPA = 4.000
	Cumulative Totals:			16.00	19.00	64.00	GPA = 4.000
	Spring Semester, 2022						
CIS-110*A	Introduction to Computers						01/10/22-03/02/22
CIS-115*A	Intro to Prog & Logic						01/10/22-03/02/22
CSC-121	Python Programming						03/07/22-04/29/22
MAT-172*U	Precalculus Trigonometry						01/10/22-03/02/22
WEB-115	Web Markup and Scripting						01/10/22-04/29/22
	Term Totals:			0.00	0.00	0.00	GPA = 0.000
	Cumulative Totals:			16.00	19.00	64.00	GPA = 4.000
	Summer Term, 2022						
CTS-115*A	Info Sys Business Concepts						05/16/22-07/25/22

WEB-140      Web Development Tools

05/16/22-07/25/22

Term Totals:      0.00      0.00      0.00    GPA = 0.000

Cumulative Totals:    16.00    19.00    64.00    GPA = 4.000

IT-Web Technologies

Program Total:    Completed Cred : = 13.00    GPA = 4.000

Note:

The courses with \*U are Universal General Education Transfer Component courses.

The courses with \*A are CAA courses.

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END OF TRANSCRIPT



# CCI PROGRAM APPLICATION RECOMMENDATION FOR DILLON THOMAS BABOR

## Recommender Contact Information

- **First Name:** Patricia
- **Last Name:** Jones
- **Title:** Math Coach
- **Department:** STEM Core with Growth Sector
- **Institution/Organization:** Forsyth Technical Community College
- **Telephone:** 336-515-0552
- **Email:** pjones@forsythtech.edu

## Applicant Information

### Association

Describe your relationship to the applicant, including how long you've known the applicant, where, and in what capacity.

I have been working with Dillon as a math coach since the summer of 2021 when he joined our STEM Core,

### Applicant Comments

Please provide substantive comments about the applicant's education, training, aptitude, or promise relevant to the CCI program. Include any relevant additional detail or perspective regarding the applicant's technical or research experience or equivalent experience on complex projects, including the level of independence or other factors that would contribute to the applicant's ability to make an excellent contribution to the CCI program.

I have been impressed with Dillon's curiosity and creativity when working with him. During our summer program, we did several projects that required problem solving skills, and he did a fantastic job thinking about the problem and applying innovative solutions. Even more impressive to me was his ability to look at a failure, study it, and improve on the design to make the project work. A specific example was the building of a catapult. The students started with a small catapult to understand the concepts and then applied those concepts to a larger, more complex catapult. His smaller catapult didn't work the best, but he took that failure, learned from it and brought his ideas to the group to make the larger catapult a big success.

Two other things stand out to me about Dillon which I think makes him an excellent candidate for the program. He does really well working within a group. He is very good at expressing his ideas and working with his peers, balancing well the sharing of his ideas while incorporating the ideas of others. Another admirable trait that I've noticed in Dillon is that he isn't afraid to ask questions and clarify instructions. He makes sure that he thoroughly understands what is needed in a project or problem and seeks out more information when necessary.

Dillon is a bright, young man whose creativity and curiosity will help him soar in the STEM field. I highly recommend him for your internship program.

## Applicant Rating

In comparison to other undergraduate students, please rate the applicant relative to his/her peers on the following qualifications:

	Do Not Know	Below Average	Average	Above Average	Superior
Analytical and Mathematical					X
Experimental Research				X	
Overall Academic	X				
Initiative and Self Reliance					X
Motivation toward Scientific Career					X
Originality of Thought					X
Emotional Maturity					X
Ability to Work with Others					X
Potential for Leadership					X
Oral Communication Skills				X	
Written Communication Skills	X				

# CCI PROGRAM APPLICATION RECOMMENDATION FOR DILLON THOMAS BABOR

## Recommender Contact Information

- **First Name:** Matthew
- **Last Name:** Reader
- **Title:** NA
- **Department:** NA
- **Institution/Organization:** STEM CORE
- **Telephone:**
- **Email:** mreader@forsythtech.edu

## Applicant Information

### Association

Describe your relationship to the applicant, including how long you've known the applicant, where, and in what capacity.

To the applicant, I am their Math Coach in the STEM CORE program at Forsyth Technical Community College. I have known the applicant since Summer 2021 semester and am continuing to be a Math Coach up to now.

### Applicant Comments

Please provide substantive comments about the applicant's education, training, aptitude, or promise relevant to the CCI program. Include any relevant additional detail or perspective regarding the applicant's technical or research experience or equivalent experience on complex projects, including the level of independence or other factors that would contribute to the applicant's ability to make an excellent contribution to the CCI program.

I am only a tutor to the applicant. However, I do know our STEM CORE program prepares students well by taking classes that deal with technical work such as program languages in Information Technology. We also have the students engage in Undergraduate research by having a professor as a mentor and do the research that professor provides. I do believe the applicant show a compelling case of being able to do the technical work as well as any research needed for the CCI program. I do apologize that I cannot give many details due to the fact I am only a tutor to the applicant.

## Applicant Rating

In comparison to other undergraduate students, please rate the applicant relative to his/her peers on the following qualifications:

	Do Not Know	Below Average	Average	Above Average	Superior
Analytical and Mathematical				X	
Experimental Research	X				
Overall Academic					X
Initiative and Self Reliance				X	
Motivation toward Scientific Career	X				
Originality of Thought					X
Emotional Maturity					X
Ability to Work with Others				X	
Potential for Leadership					X
Oral Communication Skills					X
Written Communication Skills					X