ACADEMIC CATALOG
AUGUST 1, 2021 – JULY 31, 2022

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ABOUT

Hackbright Academy was founded in 2012 as the leading engineering school for women, with a mission to increase female representation in tech through education, mentorship and community, change the ratio in engineering and technology by providing the industry with strong, smart, and talented women.

In 2021, Hackbright Academy became part of Strayer University. Through Hackbright non-degree programs, Strayer University seeks to help diversify the engineering and technology industry with a focus on empowering women and people who are gender diverse with the knowledge and skills to excel in these industries. The program's inclusion goals encourage women and people who are gender diverse as technology creators through education, mentorship, and community.

RIGHT TO CHANGE

Strayer University reserves the right to change any provision of the catalog at any time. Students are expected to read and be familiar with the information contained in the catalog and with all school policies. The student agrees to abide by the terms stated in the catalog and all school policies.

ON-CAMPUS FACILITY AND EQUIPMENT

Strayer University's Hackbright campus is equipped with classrooms, student lounge space, restrooms, bike racks and a break room. Equipment available to all students includes desks, chairs, tables, computer monitors, whiteboards, HDMI cables, DVI <> HDMI adapters.

REMOTE TECHNICAL REQUIREMENTS

Computer hardware, software, and an Internet connection are the primary means of participating in course activities, lab assignments, homework, and the capstone project and thus are significant contributors to academic success. To get the most out of the remote program, students need:

- Laptop/Desktop (MacBook is highly recommended)
- A webcam (students may use the one that comes with their laptop)
- A microphone (students may use the one that comes with their laptop)

MINIMUM REQUIREMENTS
Internet Connection • Bandwidth: 25 Mbps (download)
Software • Windows (latest update) • macOS (latest update)
Hardware • 1 GHz processor • 8 GB RAM (system memory) • At least 2.5 GB of available hard-drive space

CALENDAR

COHORTS AND DEADLINES
See https://applyportal.hackbrightacademy.com/ for course dates, admissions deadlines, and locations for current Hackbright programs.

Strayer University reserves the right to cancel Hackbright programs. Cancellation decisions take place before the first day of class. Affected students will receive notification by phone or email. The university will assist students with alternative course selection.

HOLIDAYS
The following federal holidays are typically observed: New Year's Day, Thanksgiving Day, Day after Thanksgiving, and Christmas Day.

HOURS OF OPERATION

CLASS HOURS
Software Engineering Full-Time: Monday – Friday (10:00 a.m. – 6:00 p.m.)
Software Engineering Part-Time: Tuesday and Thursday (6:00 p.m. – 9:00 p.m.), Saturday (10:00 a.m. – 6:00 p.m.)
Software Engineering Prep: Tuesday and Thursday (6:30 p.m. – 9:00 p.m.), Saturday (10:00 a.m. – 1:00 p.m.)

ON-CAMPUS OFFICE HOURS
Monday – Friday 10:00 am – 6:00 pm by appointment.

REMOTE OFFICE HOURS
Remote office hours are available by appointment throughout the week, which may be scheduled via Discord.

TUITION AND FEES POLICIES

TUITION AND FEES

Cohort Deferral Fee	$100	
Student Tuition Recovery Fund (STRF) Fee (non-refundable) -- CA Residents only	$.50 per every $1,000 in institutional charges	
Registration Fee (Non-Refundable)	$250	
Course Tuition	**On Campus Tuition**	**Remote Tuition**
Software Engineering Full-Time	$14,650	$12,650
Software Engineering Part-Time	$14,650	$12,650
Software Engineering Prep	$1,250	$1,250

*The non-refundable registration fee is due upon enrollment. There are no fees for supplies, equipment, tutoring, or graduation. Some programs may require the purchase of supplemental books, materials, licenses, etc.

REGISTRATION FEE AND TUITION PAYMENT
The non-refundable registration fee is required to be paid within seven days of acceptance. If the registration fee is not received within seven days, the student will be dropped from the cohort. If payment is made after seven days, readmission to the cohort will be allowed on a space-available basis, or a student may be deferred to a future cohort.

Full program tuition, or payment arrangements with a partner lender, is due by the first day of class. Please refer to your student portal for your current tuition balance.

There are no finance or interest charges for check payments; payment via third-party credit or lenders subject to their terms and conditions, which may include interest and/ or service charges and fees.

FINANCIAL ASSISTANCE

Strayer University's Hackbright programs are not eligible for in federal or state financial aid. Strayer University does not offer direct financing or payment plans to students. Information regarding financing options through independent, private funding partners is available at https://hackbrightacademy.com/payment-plans/.

SCHOLARSHIPS

Strayer University offers a variety of scholarships to Hackbright program students. Eligibility requirements apply, see https://hackbrightacademy.com/scholarships/ for available scholarships and application requirements.

COHORT DEFERRAL

Students who wish to defer to a later cohort should contact their admissions counselor or email admissions@hackbrightacademy.com at least four weeks prior to the cohort start date. Students who request a deferment less than four weeks prior to the start date must pay a $100 Cohort Deferral Fee. The fee is due within seven days of submitting the deferral request to ensure space in the next cohort. If payment is made after seven days, admission to the cohort will be allowed on available capacity.

CANCELLATION AND REFUND POLICIES

CANCELLATION OF APPLICATION

If at any time prior to acceptance the student decides to cancel their application, they will be refunded 100 percent of any fees and tuition paid. After the interview process and immediately preceding acceptance, the student has seven days to decide whether to enroll in the course and pay the registration fee. Students are considered enrolled in the program at the time that they send in their deposit and execute their student agreement. Cancellation requests must be submitted to the Admissions Team: admissions@hackbrightacademy.com.

EARLY PROGRAM CANCELLATION

A student has three business days in which to cancel their application and receive a full refund of all fees and tuition paid. This cancellation period extends until midnight of the third business day after a student (1) signs an enrollment agreement, (2) pays the tuition deposit or any portion of the tuition, or (3) first visits the campus, whichever comes later.

EARLY PROGRAM CANCELLATION (ALABAMA, GEORGIA, SOUTH CAROLINA, VIRGINIA)

Prior to the beginning of classes, applicants in the states of Alabama, Georgia, South Carolina, and the Commonwealth of Virginia are entitled to a full refund of all tuition and fees if they request the same within three business days (five calendar days for Virginia students not enrolled through any Virginia campus) after making payment to the University.

TUITION REFUNDS

After the early program cancellation period, your deposit is non-refundable. Students who voluntarily withdraw or are dismissed will be responsible for tuition based on the date of their withdrawal as follows:

1. Before the beginning of classes, the student is entitled to a refund of 100% of the tuition, less the non-refundable registration fee.

2. After the commencement of classes, the tuition refund, less the non-refundable tuition deposit, shall be determined as follows:

% of Class Hours Completed:	% Tuition Refunded to Student
Up to 57% of the program	Prorated
After completing more than 57% of the program	No refund

If a student attends class in more than one cohort, the percent of Class Hours Completed will be determined by the overall total portion of the program that has been completed. Refunds will be issued within 30 days of notification.

ADMISSION (SOFTWARE ENGINEERING FULL-TIME/PART-TIME)

Strayer University's Hackbright admissions process involves a written application and at least two in-person or video interviews. There is a required coding challenge, where students are required to complete a specific programming problem correctly, to ensure that they have suitable prerequisite understanding for the program and the required computer and typing skills for admission to a Hackbright program.

After a student accepts admission and enrolls in the Software Engineering program, they are assigned mandatory pre-work, which is designed to prepare students for the technical material taught in the course. The pre-work is given to the student via email and is intended to be worked on prior to the first day of in-person instruction.

Prospective students must have the following skills to be successful in the course:

- Basic computer and Internet literacy
- The ability to type at least 70 words per minute
- Proficiency in the English language

- Adequate programing knowledge/experience to pass Technical Interview (including but not limited to):
  - Control flow and looping
  - How to create and manipulate basic datatypes (integers, strings, Booleans, etc.)
  - How to create and manipulate lists/arrays to store basic datatypes
  - How to create and call functions
  - Algorithmic problem-solving
  - How to create and manipulate lists/arrays to store basic datatypes
  - Conditional logic

ADMISSION (SOFTWARE ENGINEERING PREP)

Prospective students must have the following skills to be successful in the course:

- Basic computer and Internet literacy
- The ability to type at least 70 words per minute
- Proficiency in the English language

TRANSFER OF CREDIT

Strayer University does not accept any previous credit earned at other educational institutions or transfers of credit from previous trainings for application to a Hackbright program. Prior credit with an educational institution is not required to succeed in a Hackbright program.

Hackbright courses are not credit-bearing and are entirely competency/skills based. The transferability of the coursework to another institution is solely at the discretion of that institution.

CLOCK HOUR DEFINITION

Strayer University's Hackbright programs are measured in clock hours. One hour of instructional time is defined as a 60-minute period. A clock hour is based on an actual hour of attendance, though each hour may include a 10-minute break.

ATTENDANCE AND ABSENCE
Attendance is taken each day of the program at the beginning of class. An absence of less than half of a day shall count as 0.5 absences. Any absence of more than half of the day, up to and including a full day, shall count at 1.0 absences.

Students in the Software Engineering Full-Time and Part-Time programs are permitted to have up to 3.0 absences. Students must obtain prior approval for any absences from their academic adviser, except for extenuating circumstances. All absences count toward the 3.0 absence maximum regardless of whether they've been excused (approved) or unexcused (unapproved). Any student that has exceeded this without advanced approval may be withdrawn (see the Withdrawal Policy). The school may allow a greater number of excused absences in its discretion.

Strayer University does not grant leaves of absence for its Hackbright programs.

PROBATION
Strayer University does not provide a probation option. If a student is not making satisfactory progress as determined by the Assessment procedures described in the Course Description, they may be dismissed from the program.

WITHDRAWAL
The student may withdraw from the school at any time after the cancellation period and refunds are determined in accordance with the Refund Policy. To determine a refund under this section, a student shall be deemed to have withdrawn from a course of instruction when any of the following occurs:

- The student notifies the school in writing of the student's intent to withdraw. The notification is effective when Strayer University receives notice, or the date the notice is mailed, whichever is sooner. The failure of a student to immediately notify the school in writing of the student's intent to withdraw may delay a refund of tuition to the student pursuant to state laws.

- The institution terminates the student's enrollment for failure to maintain satisfactory progress; failure to abide by the rules and regulations of the institution; absences more than the maximum set forth by the institution; and/or failure to meet financial obligations to the school.

- The student has failed to attend class for two (2) class meetings without prior approval. The official termination date of enrollment shall be the student's last day in class. Students who withdraw due to an emergency, such as personal or family illness or national service, may be reenrolled into another Hackbright program following approval by the Program Director, or designee.

DISMISSAL
Strayer University reserves the right to terminate a student's training at any point and remit a pro-rata refund in accordance with the Refund policy.

CERTIFICATE OF COMPLETION
A Certificate of Completion will be issued within 12 business days of the end of the course to each student who has successfully completed a Hackbright program.

STUDENT GRIEVANCES AND COMPLAINTS

INITIAL RESOLUTION PROCESS
Before filing a formal complaint or grievance, a student is encouraged to make a good faith effort to confer with the party against whom the student has a grievance to achieve a fair and reasonable resolution to the grievance by informal means.

FORMAL RESOLUTION PROCESS
If the student does not receive an adequate resolution, they may submit a formal grievance to the Program Director, or designee. This information must include:

- The individual(s) against whom the grievance is directed.

- A brief description of the grievance, including the date(s), time(s), and place(s).

- Any efforts to resolve the matter during the initial resolution process

- The corrective action being sought.

The Program Director will review the grievance and will issue a decision and resolution to be implemented within five calendar days.

FORMAL APPEAL PROCESS

If either party chooses to appeal the Program Director's decision, they must submit a formal appeal request to the Vice President of Education, or designee. The appeal request must be submitted within three calendar days of being notified of the Program Director's decision.

Upon receiving the appeal request, the Vice President of Education will issue a decision to all involved parties within five calendar days. The decision of the Vice President of Education is final.

EXTERNAL RESOLUTION PROCESS

If the student's complaint cannot be resolved after exhausting the grievance procedures, the student may file a complaint with the following entities:

District of Columbia

District of Columbia Office of the State Superintendent of Education, Higher Education Licensure Commission, 810 First Street, NE, 2nd Floor, Washington, D.C. 20002, http://osse.dc.gov/service/education-licensure-commission-elc-public-complaints.

California

Bureau for Private Postsecondary Education. A complaint may be filed via the following form: https://bppe.ca.gov/forms_pubs/complaint.pdf or by contacting the Bureau's Enforcement Section: Bureau for Private Postsecondary Education, P.O. Box 980818, West Sacramento, CA 95798-0818, 888.370-7589.

Florida

Florida Commission for Independent Education: 325 W. Gaines St., Suite 1414, Tallahassee, FL 32399; 888-224-6684, http://www.fldoe.org/policy/cie/file-a-complaint.stml.

Georgia

Georgia Nonpublic Postsecondary Education Commission, 2082 E Exchange Pl. #220, Tucker, GA 30084-5334, 770.414.3300, https://gnpec.georgia.gov/student-complaints.

RIGHTS AND RESPONSIBILITIES

STUDENT RIGHTS

1. Students have the right to equal opportunity education and non-discrimination based on sex, race, color, religion, ancestry, national origin, disability, medical condition, genetic information, marital status, sexual orientation or other categories protected by law of the states in which we operate.

2. Students have the right to view their own academic records.

3. Students have the right to cancel or withdraw from their course, per the Withdrawal Policy.

4. Students have the right to file a grievance, per the Student Grievance Policy.

TRANSGENDER INCLUSION POLICY

Strayer University is committed to challenging unequal gender dynamics within mainstream society, supporting the intellectual and personal growth of our students, and fostering critical analyses of gender. Admitting trans, intersex, and gender variant students is harmonious with these commitments and is consistent with the underlying mission to support, nurture, and value the voices of those who have been marginalized by gender.

We accept and matriculate students who are questioning their gender. We recognize that the process of identifying trans, intersex, or gender variant is not the same for every individual, and we support all students as they engage in the process of self-discovery. We are committed to understanding and combating systemic gender inequality. Trans, intersex, and gender variant people are profoundly marginalized under our dominant gender system.

The experiences of women are not homogeneous. Our students have a wide range of gender experiences because of the way gender intersects with race, class, ability, and sexuality. By including trans, intersex, and gender variant students, we are ensuring that all people who are marginalized by binary gender have access to high quality education.

EQUAL OPPORTUNITY
Strayer University is an equal opportunity organization and does not discriminate based on sex, race, color, religion, ancestry, national origin, disability, medical condition, genetic information, marital status, sexual orientation, or other categories protected by law of the states in which we operate. Strayer will conduct its courses, services, and activities consistent with applicable federal, state, and local laws and regulations. Students who seek accommodations related to a disability should contact the Program Director.

STUDENT SERVICES

LIBRARY AND LEARNING RESOURCES
Strayer University provides Hackbright students with an extensive written curriculum including lecture notes and exercise instructions stored in an online learning management system (LMS). Students are given access to the online LMS at the start of their program and retain access to it after graduation. Materials are available 24 hours a day and accessible with an Internet connection.

CAREER SERVICES
Strayer University offers outcomes services to current students and graduates of the Software Engineering Full-Time program. Services includes individualized coaching and support. Students engage in meetings where a student's career preferences are discussed, resumes and cover letters reviewed, and preparations are collaborated on for the job search.

The Outcomes Team are available for graduates to maintain an ongoing conversation about job search progress and offer-letter negotiations until a placement has been made. Graduates will be invited to events organized by the Outcomes Team that are focused on professional and technical development.

Strayer University assists Hackbright students in placements as often as possible, but the school does not guarantee job placement to any student as a result of program completion.

STUDENT RECORDS
All student academic and financial records are maintained by Strayer University and filed in a secure and safe manner in perpetuity. Official records will be provided to the student at no charge, upon request to: operations@hackbrightacademy.com.

INTERNATIONAL STUDENTS AND ENGLISH LANGUAGE SERVICES
Strayer University does not provide international student visa services nor vouch for a student's status, and/or any related or associated charges for its Hackbright programs. Strayer University does not offer English as a Second Language instruction in its Hackbright program. All instruction occurs in English. English language proficiency is documented by:

1. The admissions interview; and

2. Receipt of prior education documentation as stated in the admission policy; and

3. Receipt of Test of English as a Foreign Language (TOEFL) examination score of an 80 or better for the Internet-based test and 550 or better for the paper-based test.

COURSES OFFERED

Strayer University offers in-person and remote full-time, part-time, and introductory software engineering courses. In-person courses are held on-campus; remote courses meet in real-time via Zoom.

Courses Offered	Course Length	Level of Difficulty	Course Format	
			On Campus	Remote
Software Engineering Full-Time	420 hours 12 weeks	Intermediate	*Not currently available*	✓
Software Engineering Part-Time	338 hours 26 weeks	Intermediate	*Not currently available*	✓
Software Engineering Prep	40 hours 5 weeks	Beginner	*Not currently available*	✓

COURSE DESCRIPTIONS

SOFTWARE ENGINEERING FULL-TIME/PART-TIME
Prepares students with core skills to launch a career in software development, providing requisite knowledge of full-stack web development, computer science, and modern programming practices. Students should have a demonstrable passion for technology, problem solving, and possess a strong work ethic. This program requires students to demonstrate and apply their technical learning through homework assignments, collaborative lab exercises, individual assessments, and an individual capstone project. Additionally, students are required to complete job preparation assignments as part of our career-development curriculum. After completing this course with a strong understanding of the content covered in the class, students will be able to begin their job search and career as an entry-level Software Engineer.

Course Components
The Software Engineering program includes the following components:

- Academic Advising: Each student is assigned to an academic adviser. Advisers assess students' work as well as provide feedback on their progress and guidance on how to study and succeed in the program. Students primarily access their advisers during one-on-one advising meetings at least once per unit. During these meetings, advisers may provide feedback on the student's progress. Advisers assess and evaluate their students' performance based on code reviews of programming assignments, completion of in-lab exercises, and completion of skills assessments. They also act as project managers and software architects to help students work on their capstone projects.

- Lectures: Concepts are initially delivered to students via a live, interactive lecture.

- Exercises: Students get hands-on practice with material introduced in lecture during lab exercises. Students work on exercises collaboratively with a pair-programming partner. Staff observe and supervise students during exercise sessions; this gives the education staff the opportunity to evaluate the student's comprehension of the materials and ability to translate learning into programming skills and provide immediate feedback to students.

- Homework: Each lesson is accompanied by a confirmatory homework assignment. Students must complete homework assignments before the next homework solution review session.

- Skills Assessments: Take-home assessments are assigned at the end of every unit. Unlike homework assignments, assessments must be turned in before the due date for a grade. Students may also receive qualitative feedback on code style, how well they architect their programs, etc.

- Capstone project: In the second half of the program, students build a capstone project, working closely with their adviser. These projects are assessed by their adviser, in tandem with the rest of the education team. Students review project feedback with their advisor in their weekly meetings.

Graduation Requirements

To graduate, students must:

- Complete and turn in all skills assessments

- Complete their capstone project

- Present their capstone project during Demo Night Demo Night

Program Length	Hours[1]	Weeks[1]	Class Schedule[2]
Full-time	420 hours	12 weeks	Monday – Friday: 10:00 am – 6:00 p.m.
Part-time	338 hours	26 weeks	Tuesday/Thursday: 6:00 pm – 9:00 PM, Saturday: 10:00 am – 6:00 p.m.

Unit Name	Unit Description	Lecture Hours	Lab Hours	Total Hours
SWE01: SWE Fundamentals & Toolkit	Students are introduced to algorithmic thinking and fundamental programming skills in Python, such as basic syntax, constructs (variables, conditionals, iteration, functions), and data structures (lists, tuples, sets). Concepts are solidified in pair programming lab exercises, which begin in Unit 1 and continue through Unit 5. Students learn programming tools, such as text editors, the command line, and version control with git and GitHub.	**Full-Time**		
		14	21	35
		Part-Time		
		14	14	28
SWE02: Dictionaries and Object Orientation	Students learn to use Python dictionaries and practice this skill in a multi-day lab exercise featuring Markov Chains. They begin using intermediate development tools (libraries, virtual environments, Python consoles) while learning development best practices, code base organization strategies, and style guides for writing maintainable, readable code. Students also learn the core tenets of object orientation and how to design object-oriented programs.	**Full-Time**		
		15	20	35
		Part-Time		
		15	13	28
SWE03: Flask and the Web	Students learn the basics of web development starting with creating simple web pages using HTML and CSS. This unit includes a technical overview of how the internet works — including HTTP requests and responses to and from web servers and browsers — to provide context for student understanding. Students learn to create back-end web applications using the Flask framework, including creating routes, handling web forms, producing dynamic HTML, and handling user sessions. Students practice using APIs to interact with external services and integrate APIs along with JSON response handling into the back-end of a web app. Students employ debugging and testing techniques as they learn about unit and integration testing.	**Full-Time**		
		15	20	35
		Part-Time		
		15	13	28
SWE04: Front-end and JavaScript	Students are introduced to JavaScript syntax and core functionality before learning to manipulate the browser DOM, create interactive web pages using event listeners, and handle user input. Students use JavaScript to send and receive data asynchronously — a key skill for modern web development. After learning the basics of front-end development with "vanilla" JavaScript, students are introduced to front-end frameworks and practice creating a React front-end in a series of lab exercises.	**Full-Time**		
		15	20	35
		Part-Time		
		15	13	28
SWE05: SQL and	Starting with SQL, students learn to create and manage relational	**Full-Time**		

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[1] Additional pre-course and independent study hours are expected. Total weeks does not include holiday breaks.

[2] Class schedules may be modified; students will be provided advance notice.

Unit Name	Unit Description	Lecture Hours	Lab Hours	Total Hours
SQLAlchemy	databases as well as query and modify database records. Next, students learn to use an ORM (Object-Relational Mapper) library for Python so that they can integrate database CRUD (Create-Read-Update-Delete) logic into the backend of a Python web app in an object-oriented way. Students solidify their understanding of data relationships and learn data modeling best practices. In the final multi-day lab exercise, students integrate core learning from Units 1 – 5 to build a robust full-stack web app.	15	20	35
		Part-Time		
		15	13	28
SWE06: Project Season and Project Technologies	After drafting and refining project ideas in the previous weeks and having their proposals approved, students begin working on individual capstone projects during lab time with support from staff. Individual projects draw on core learning from Units 1 – 5 and allow students to practice full-stack web development by creating a web app of their own design. Students continue learning new tools and technologies in lectures with topics such as Agile software development processes and introductions to supplemental web technologies, including JavaScript libraries.	**Full-Time**		
		7.5	27.5	35
		Part-Time		
		7.5	20.5	28
SWE07: Project Season and Applied Computer Science	By the end of the unit, students complete a minimally functional version of their individual projects. In lecture, students dive deeper into testing techniques, including more advanced web app integration testing, database testing, functional testing, and test-driven development. Lectures also expose students to areas of Applied Computer Science (topics vary but may include Machine Learning and Cryptography). Additionally, students are introduced to whiteboarding code challenges so that they can begin preparing for technical interviews.	**Full-Time**		
		7.5	27.5	35
		Part-Time		
		7.5	20.5	28
SWE08: Project Season and Algorithms & Data Structures, Pt. 1	Students begin the second sprint of work on their individual projects. Students may add or improve features but their focus shifts more heavily toward testing and code quality. In lecture, students learn core Computer Science concepts, including analyzing algorithms for efficiency (Big O notation and run time complexity) as well as advanced data structures, their uses, and associated algorithms (stacks and queues, linked lists, trees, recursion). Students practice solving coding challenges with classmates and staff in timeboxed sessions.	**Full-Time**		
		8	27	35
		Part-Time		
		8	20	28
SWE09: Project Season and Algorithms & Data Structures, Pt. 2	Students finalize their project functionality by the end of the unit. The Computer Science curriculum continues as students encounter more data structures and algorithms (graphs, sorting) and revisit Python data structures to learn about implementation and runtime characteristics. Students practice solving coding challenges with classmates and staff in timeboxed sessions.	**Full-Time**		
		8	27	35
		Part-Time		
		8	20	28
SWE10: Project Presentation Prep	Students ensure their projects look polished and professional on the front end, adding final touches to styling and layout. In lecture, students learn how to deploy a web app to a cloud-based deployment service. Students craft technical project presentations and rehearse with staff.	**Full-Time**		
		6	29	35
		Part-Time		
		6	22	28
SWE11: Career Weeks	Students start preparing for the job search. They debut their projects and hard-earned skills at a "Demo Day" showcasing event. Students learn about the various components of a multi-stage software engineering interview process from the initial recruiting phone screen to the salary negotiation phase. Then, they're introduced to additional formats for technical screens that they might encounter during the job search like take home challenges and system design questions. Students practice solving code challenges and take-home challenges. They also play the role of interviewer and interviewee in mock technical screens with their classmates and staff.	**Full-Time**		
		10.5	59.5	70
		Part-Time		
		10.5	45.5	56

SOFTWARE ENGINEERING PREP

In today's technical career marketplace, employers greatly value familiarity with both Front-End JavaScript and Full-Stack concepts. However, to learn either skill sets, it is vital that students get enough experience with writing well-designed programs, which is the focus of the Hackbright Prep course.

This course is designed for non-programmers to learn the basics of programming. The course provides students with a fundamental understanding of how software engineering works and the skills to build a strong foundation for speaking to technical teams and exploring a technical career.

Course Components
The Software Engineering Prep program includes the following components:

- Lectures: Concepts are initially delivered to students via a live, interactive lecture.

- Exercises: Students get hands-on practice with material introduced in lecture during lab exercises. Students work on exercises collaboratively with a pair-programming partner. Staff observe and supervise students during exercise sessions; this gives the education staff the opportunity to evaluate the student's comprehension of the materials and ability to translate learning into programming skills and provide immediate feedback to students.

- Homework: Each unit is accompanied by a confirmatory homework assignment. Students must complete homework assignments before the next homework solution review session. Students are required to turn in homework for a pass/no-pass grade.

- Capstone project: In the second half of the program, students build a capstone project, working closely with staff. Staff assess projects and provide feedback upon request.

Graduation Requirements
To graduate, students must:

- Receive a passing grade an all homework assignments

- Complete the capstone project

Program Length	Hours[1]	Weeks[1]	Class Schedule[2]
Prep	40 hours	5 weeks	Tuesday/Thursday: 6:30 pm – 9:00 PM, Saturday: 10:00 am – 1:00 p.m.

Unit Name	Unit Description	Lecture Hours	Lab Hours	Total Hours
PRP01: Writing Programs with Python Syntax	This unit is an introduction to Python fundamentals and its basic syntax. Students learn about Python's basic data types (string, integer, Boolean, and None) and how to perform operations on them. They learn how to create and reassign variables and begin to understand when variables should be used. Students apply their knowledge in lab exercises where they write dynamic code based on user input. Through these exercises, students start to learn about built-in functions and how to call them.	3.25	5.25	8.5
PRP02: Looping, Lists, and Conditional Logic	Students learn syntax for control flow tools with if, while, and for statements as well as Boolean operators or, and, and not. They learn how to work with list objects and use them to store and manipulate collections of values. Then, they apply control flow and list manipulation skills to use an iterative problem-solving approach in their programs.	3.25	5.25	8.5

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[1] Additional pre-course and independent study hours are expected. Total weeks does not include holiday breaks.

[2] Class schedules may be modified; students will be provided advance notice.

Unit Name	Unit Description	Lecture Hours	Lab Hours	Total Hours
PRP03: Functions and Debugging	Students advance from writing single-use scripts and begin to understand the benefits of and motivation for designing programs that are modular and reusable. In pursuit of writing modular, reusable programs, students learn syntax for user-defined functions. They deepen their understanding of how functions work by learning about the basic rules and mechanics of how Python functions work. Students also learn debugging skills such as learning to read and comprehend error messages as well as debugging techniques like print debugging.	3.25	5.25	8.5
PRP04: Working with Data Structures	In Units 1–3, students primarily work with a couple Python data types (including ones mentioned above). In this unit, students experiment with two new Python data types: tuples and dictionaries. They are introduced to the data types' different properties and behavior, comparing and contrasting them to lists. Students are also introduced to the concept of nested data and learn syntax for traversing nested container objects.	3.25	5.25	8.5
PRP05: Solving Code Challenges	Students learn strategies for solving code challenges. Students are given a step-by-step problem-solving approach to follow and apply to define the scope of a problem, break it down into logical steps, and to build solutions iteratively. Although the primary goal of this unit is to help students prepare for technical admissions interviews and gain admittance into a coding bootcamp, these problem-solving strategies are applicable to all engineering problems.	1	5	6

INSTRUCTIONAL STAFF

Instructor	Degree/Institution	Experience
Andrew Blum	• Certificate/UC Berkeley	4 years' experience in Software Engineering
Ashley Trinh	• Certificate, Software Engineering/Hackbright Academy	4 years' experience in Software Engineering
Athelia Crosmun	• Certificate, Software Engineering/Hackbright Academy • Bachelor of Science, Technology & Culture/ Georgia Institute of Technology	4 years' experience in Software Engineering
Christina Cuneo	• Certificate, Software Engineering/Hackbright Academy • Bachelor of Arts, Computer Science/Colorado College	1 year experience in Software Engineering
George Simpson	• Bachelor of Science in Computer Engineering Technology, Rochester Institute of Technology)	7 years' experience in Software Engineering
Heather Mahan	• Certificate, Software Engineering/Hackbright Academy • Master of Arts, Linguistics/University of California, Santa Cruz	7 years' experience in Software Engineering
Henry Chen	• PhD, Physics/Harvard University	20 years' experience in Software Engineering
Katrina Huber-Juma	• Certificate, Full-stack Web Development/Coding Dojo • Certificate, Software Engineering/Hackbright Academy • Bachelor of Arts, Communications/Sonoma State University	4 years' experience in Software Engineering
Marisa Gloor	• Certificate, Software Engineering/Hackbright Academy	2 years' experience in Software Engineering
Seema Ullal	• Bachelor of Arts, Mathematics/University of California, Los Angeles • Master of Science, Computer Science/New Jersey Institute of Technology	6 years' experience in Software Engineering
Jocelyn Tang	• B.S.E Computer Science/Princeton University • MA Education /Stanford University	7 years' experience in Software Engineering
Sean Moriarty	• Computer Science/University of New Mexico (pending)	11 years' experience in Software Engineering

ACCREDITATION AND CERTIFICATION

Accreditation assures that the university is recognized as a credible institution of learning, that it maintains recognized and approved courses of study, that it employs competent faculty and staff, that it has adequate facilities and equipment and that the organizational structure is appropriate and stable.

Strayer University is accredited by the Middle States Commission on Higher Education (MSCHE). The commission, an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation, is located at 3624 Market Street, Philadelphia, PA 19104, 267.284.5000, http://www.msche.org. The Middle States Commission on Higher Education reaffirmed the university's accreditation in June 2017, with the next self-study evaluation scheduled for the 2025–2026 academic year.

STATE AUTHORIZATION RECIPROCITY AGREEMENT (SARA)

Strayer University is an institutional participant in the State Authorization Reciprocity Agreement (SARA), a voluntary and regional method to oversee distance education. Strayer University is also approved to participate in SARA by its home state, the District of Columbia. As a result of Strayer's participation in SARA and approval by its home state, Strayer may offer distance education programs in SARA member states without further approval from the individual state. SARA only applies to distance education and does not cover instruction provided on-ground at any Strayer campus.

STATE LICENSURE AND APPROVALS

District of Columbia

Strayer University is licensed by the Higher Education Licensure Commission of the District of Columbia (DCHELC). DCHELC has granted approval for Strayer University to offer all of the courses and all degree, diploma and certificate programs currently listed in the Strayer University Catalog. DCHELC does not object to Strayer University offering these courses and degree, diploma and certificate programs outside of the District of Columbia and, in particular, in the Commonwealth of Virginia. The District of Columbia also serves as our home state for participation in the State Authorization Reciprocity Agreement (SARA).

California

Strayer University is registered with the California Bureau for Private Postsecondary Education as an Out of State Institution pursuant to the California Private Postsecondary Education Act of 2009. P.O. Box 980818, West Sacramento, CA 95798-0818, 888.370.7589, www.bppe.ca.gov

Student Tuition Recovery Fund (STRF) Disclosure

The State of California established the Student Tuition Recovery Fund (STRF) to relieve or mitigate economic loss suffered by a student in an educational program at a qualifying institution, who is or was a California resident while enrolled, or was enrolled in a residency program, if the student enrolled in the institution, prepaid tuition, and suffered an economic loss. Unless relieved of the obligation to do so, you must pay the state-imposed assessment for the STRF, or it must be paid on your behalf, if you are a student in an educational program, who is a California resident, or are enrolled in a residency program, and prepay all or part of your tuition.

You are not eligible for protection from the STRF and you are not required to pay the STRF assessment, if you are not a California resident, or are not enrolled in a residency program.

It is important that you keep copies of your enrollment agreement, financial aid documents, receipts, or any other information that documents the amount paid to the school. Questions regarding the STRF may be directed to the Bureau for Private Postsecondary Education, 1747 North Market Blvd., Suite 225, Sacramento, CA 95834, (916) 574-8900 or (888) 370-7589.

To be eligible for STRF, you must be a California resident or are enrolled in a residency program, prepaid tuition, paid or deemed to have paid the STRF assessment, and suffered an economic loss as a result of any of the following:

1. The institution, a location of the institution, or an educational program offered by the institution was closed or discontinued, and you did not choose to participate in a teach-out plan approved by the Bureau or did not complete a chosen teach-out plan approved by the Bureau.

2. You were enrolled at an institution or a location of the institution within the 120 day period before the closure of the institution or location of the institution, or were enrolled in an educational program within the 120 day period before the program was discontinued.

3. You were enrolled at an institution or a location of the institution more than 120 days before the closure of the institution or location of the institution, in an educational program offered by the institution as to which the Bureau determined there was a significant decline in the quality or value of the program more than 120 days before closure.

4. The institution has been ordered to pay a refund by the Bureau but has failed to do so.

5. The institution has failed to pay or reimburse loan proceeds under a federal student loan program as required by law, or has failed to pay or reimburse proceeds received by the institution in excess of tuition and other costs.

6. You have been awarded restitution, a refund, or other monetary award by an arbitrator or court, based on a violation of this chapter by an institution or representative of an institution, but have been unable to collect the award from the institution.

7. You sought legal counsel that resulted in the cancellation of one or more of your student loans and have an invoice for services rendered and evidence of the cancellation of the student loan or loans.

To qualify for STRF reimbursement, the application must be received within four (4) years from the date of the action or event that made the student eligible for recovery from STRF.

A student whose loan is revived by a loan holder or debt collector after a period of non-collection may, at any time, file a written application for recovery from STRF for the debt that would have otherwise been eligible for recovery. If it has been more than four (4) years since the action or event that made the student eligible, the student must have filed a written application for recovery within the original four (4) year period, unless the period has been extended by another act of law.

However, no claim can be paid to any student without a social security number or a taxpayer identification number.

Note: Note: Authority cited: Sections 94803, 94877 and 94923, Education Code. Reference: Section 94923, 94924 and 94925, Education Code.

Florida
Strayer University is licensed in Florida by the Commission for Independent Education, Florida Department of Education. Additional information may be obtained by contacting the Commission at: 325 West Gaines Street, Suite 1414, Tallahassee, FL 32399-0400, Toll-free telephone: 1.888.224.6684.

Georgia
Strayer University is authorized to operate in the state of Georgia by the Georgia Nonpublic Postsecondary Education Commission.

Texas
Strayer University is legally authorized to operate and grant degrees in Texas as an exempt institution under the rules of the Texas Higher Education Coordinating Board.

CAMPUS LOCATIONS

Utah
1550 Digital Dr #400, Lehi, UT 84043