2018 SCUCISD Advanced Academic Night

SCUCISD Advanced Academics Night
November 14th
6:00 - 7:30 pm

Your family is cordially invited to attend SCUC’s Advanced Academic night where representatives from our advanced programs will be present to share information about the opportunities your student has to earn college credit while in high school!

Schertz Civic Center
1400 Schertz Parkway
Bldg. 5
Schertz, TX 78154
Agenda

- Welcome – Dr. Brett Lemley
- UT On Ramp – Dual Enrollment
- Alamo Colleges Dual Credit program
- Alamo Academies
- International Baccalaureate (IB)
- Advanced Placement Program
- Closing remarks and questions
UT On Ramps– Dual Enrollment

Presented by Jennifer Mullins–

UT Austin

jennifer.mullins@austin.utexas.edu
The University of Texas at Austin
OnRamps
An Innovative Dual Enrollment Program
Problem:

College completion for every 100 Texas 9th graders…

22
IF A STUDENT ENROLLS IN DUAL CREDIT,
THEY ARE 2x AS LIKELY TO COMPLETE A DEGREE WITHIN 6 YEARS.

Jobs for the Future
OnRamps seeks to increase the number and diversity of students who engage in learning experiences aligned with the expectations of leading research universities.
DUAL CREDIT is

1 TEACHER + 1 CLASS + 1 GRADE = HIGH SCHOOL and COLLEGE CREDIT

DUAL ENROLLMENT is

2 TEACHERS + 2 CLASSES + 2 GRADES = HIGH SCHOOL and COLLEGE CREDIT
What do we offer students?

- College Content
- Innovative Pedagogy
- Technology Enhanced Education
- Teacher Excellence
College Algebra
TCCN 1314

Chemistry 1
TCCN 1311

Art and Entertainment Technologies
Fine Arts Core 030
Student Success

- Academic Expectations
- Social Expectations
Jennifer Mullins
jennifer.mullins@austin.utexas.edu

@TexasOnRamps  onramps.utexas.edu
Alamo Colleges– Dual Credit

Presented by: Vanessa Demont

Northeast Lakeview College

vdemont@alamo.edu
Why Dual Credit?

Vanessa Demont, MBA
Coordinator of High School Programs

Phillip Hicks, MBA
Director of High School Programs
Topics

• What is Dual Credit?
• Dual Credit and Advanced Placement
• Benefits of Dual Credit
What is Dual Credit?

A process by which a high school student enrolls in a college course at their high school and receives simultaneous academic credit for the course from both the college and high school. (Texas Administrative Code [TAC], Title 19, Part I, Chapter 4, Subchapter D, Rule 4.83).
### Dual Credit or Advanced Placement (AP)

<table>
<thead>
<tr>
<th></th>
<th>Dual Credit</th>
<th>Advanced Placement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Credit</strong></td>
<td>Equivalent course credit upon successful completion of the course (C or better)</td>
<td>Credit is determined by the score earned on the AP exam and institution</td>
</tr>
<tr>
<td><strong>Grades</strong></td>
<td>Grade earned will be calculated as part of your college GPA</td>
<td>No grade, just credit where determined by the higher education institution</td>
</tr>
<tr>
<td><strong>Teachers/Instructors</strong></td>
<td>College instructors or high school teachers trained as adjuncts by the college</td>
<td>High School teachers trained through College Board</td>
</tr>
<tr>
<td><strong>Eligibility</strong></td>
<td>Must meet TSI eligibility for college level course work</td>
<td>Classification and test scores</td>
</tr>
<tr>
<td><strong>Cost</strong></td>
<td>Paid by ISD</td>
<td>Student pays for AP test</td>
</tr>
</tbody>
</table>
Benefits of Dual Credit

• A smoother transition between high school and college
• First hand exposure to college-level work while in high school
• Access to colleges’ resources
Literature Review

- Dual credit (DC) improves rates of high school graduation, college enrollment, college persistence, college GPA, and college degree completion.
- More DC increases the likelihood of college enrollment and completion.
- Academic DC (English, math, social sciences, science and foreign languages) produced large effects on most postsecondary outcomes than career and technically oriented DC
- Math DC produces larger effect sizes on degree completion than other academic DC subjects
- DC exhibited the greatest effects for minority, male, and low-income students
- DC produces effect sizes larger than advanced non-DC high school courses that were not on most postsecondary outcomes examined, including bachelor’s degree completion rates
- DC increases postsecondary enrollment greater than AP; while AP increases four-year college enrollment greater than DC
- No difference found between AP and DC impacts on bachelor’s degree attainment
Interested in Dual Credit?

Visit with your high school counselor about Dual Credit opportunities…
SCUCISD Dual Credit Contacts

- Samuel Clemens Dual Credit Coordinator — Frank Martinez (fmartinez@scuc.txed.net)
  
- Steele High School Dual Credit Coordinator - Tiffany Perdue (tperdue@scuc.txed.net)
Alamo Academies

Presented by – Troy Kettell

tkettell@alamo.edu
Alamo Academies

Aerospace Academy
Information Technology & Security Academy
Advanced Technology & Manufacturing Academy
Health Professions Academy
Diesel Technology Academy

Troy Kettell, Associate Director
November 14, 2018
2 Year Program of Studies

- Over 30 college hours at No Cost to high school student
- Only 2.5 hours per day at college site
- Approx. $3,000 Paid Internship with industry
- Scholarship equivalent over: $12,000
Advanced Technology & Manufacturing Academy

**1st Year**
- Technical Calculations
- Precision Tools & Measurements
- Print Reading for Machining Trade
- Basic Machine Shop

**2nd Year**
- Pumps, Compressors, & Mechanical Drives
- Fundamentals of Electrical I
- Introduction for Computer-Aided Manufacturing (CAM)
- Robotics

**Summer Internship**

*Earn 34 hours of College Credit*
Aerospace Academy

1st Year
• Aviation Science
• Shop Practice
• Federal Aviation Regulations
• Weight & Balance
• Ground Operations

Summer Internship

2nd Year
• Basic Electricity
• Aircraft Composites
• Level I Certificates:
  Aircraft Structures Mechanic
  OR
  Aircraft Turbine Mechanic

Earn 32-33 hours of College Credit
Diesel Technology Academy

1st Year
• Diesel Engine I
• Shop Safety and Procedures
• Basic Hydraulics
• Basic Electrical Systems

Summer Internship

2nd Year
• Advanced Electrical Systems
• Preventative Maintenance
• Advanced Diesel Tune-Up & Troubleshooting
• Advanced Hydraulics

Earn 33 hours of College Credit
Information Technology & Security Academy

1st Year
• Introduction to PC Operating Systems
• Networking Fundamentals
• A+ Hardware
• PC Help Desk Support

2nd Year
• Linux Installation & Configuration
• Security Fundamentals
• Computer Programming
• Beginning Web Programming

Summer Internship

Earn 30 hours of College Credit
Summer Internship Experience

- ≈ 8 weeks of paid internship
- Mandatory to continue to 2nd year
- Follow industry guidelines
- Earn college credit
- HPA excluded from internship

You get PAID while you complete your internship!
Health Professions Academy

1st Year
• Human Anatomy & Physiology
• Composition I
• Human Anatomy & Physiology II
• Composition II

2nd Year
• Microbiology for Allied Heath Majors
• General Psychology
• Introduction to Ethics
• Lifespan Growth & Development
• Medical Terminology

Earn 30 hours of College Credit
Health Professions Academy Benefit

- Automatic acceptance into Nursing Program at San Antonio College after completion of HPA program
- Most credits transfer such as English, Anatomy & Physiology
Your Next Steps

1. Application
   alamoacademies.com
2. Apply Texas
   Applytx.org
3. AlamoENROLL
   GoFAAR Module
4. Testing (TSI Math 337 and above – HPA must have college ready scores)
   See Your Counselor
5. Dual Credit Forms
   See Your Counselor
6. Grades/Attendance
   Essay on why you would like to participate in the Alamo Academies

Early Consideration Deadline
March 1, 2019
“Pathways Unbound”

The Alamo Academies → Developing career-ready highly-skilled graduates → Meeting industry requirements

Continue to improve and focus on what we do best: Workforce Talent Pipeline!
A Recap

- 2-Year Program of Studies
- 30+ Hours College Dual Credit
- Paid Summer Internship
- Multiple Industry Certifications
- Classes at Alamo Colleges
- Equal to $12,000 Scholarship

Walk college stage before high school graduation!
SCUCISD Alamo Academies Contact

• Amy Massey - Coordinator of Career and Technical Education (CTE)

  (amassey@scuc.txed.net)
What is IB?

IB is a rigorous, holistic program with many benefits towards your future:

- Increases likelihood of acceptance into college of your choice
- Prepares you thoroughly for success in college once you get there.
- Provides opportunities to earn college credit, based on school’s criteria, for each of your individual scores in your IB classes, and more, if you earn the full IB Diploma.
How is IB Different?

IB is more than a few advanced courses you decide to take. When you’re a junior/senior, you will:

- Take **6 IB-Level courses** -- each can earn you college credit.
- Complete college-level independent research on a topic of your choice.
- Take a capstone course pulling together all you’ve learned, called **Theory of Knowledge**.
- Learn through service, leadership, creativity and self-challenge to better yourself and your world.
- Strive to earn an international diploma that can open doors on a world stage.
Comments from Admission Deans Throughout the Country

“It is the 'best' high school prep curriculum an American school can offer.” - Marilee Jones, director of undergraduate admission, Massachusetts Institute of Technology

“IB is well known to us for excellent preparations. Success in an IB programme correlates well with success at Harvard. We are always pleased to see the credentials of the IB Diploma Programme on the transcript.” - Marilyn McGrath Lewis, director of undergraduate admission, Harvard University

“One of the advantages of an IB curriculum is its structure and quality. It is a coordinated programme, well established, well known and well respected. We know the quality of IB courses, and we think the IB curriculum is terrific.” - Christoph Guttentag, director of undergraduate admission, Duke University

“I have always been a supporter of the International Baccalaureate Programme. It is a thoughtful and genuinely intellectual curriculum with an unusually high degree of integrity and connectedness. There is no other curriculum anywhere that does a superior job of both educating students and inspiring a true and broad based love of learning.” - William Shain, dean of undergraduate admissions, Vanderbilt University
A 2010 study that looked at performance on IB exams and college GPAs of more than 1,500 IB students enrolled in the University of California system found:

• IB students earned higher GPAs and graduated at higher rates than matched comparison group

• Performance in the IB Programme was the strongest predictor of college GPA

• The average acceptance rate of IB students into university/college is 22% higher than the average acceptance rate of the total population
<table>
<thead>
<tr>
<th>University or college</th>
<th>IB candidates acceptance rate</th>
<th>Total population acceptance rate</th>
<th>IB candidates versus total population (parentage points)</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Florida</td>
<td>82%</td>
<td>42%</td>
<td>+40%</td>
</tr>
<tr>
<td>Florida State University</td>
<td>92%</td>
<td>60%</td>
<td>+32%</td>
</tr>
<tr>
<td>Brown University</td>
<td>18%</td>
<td>9%</td>
<td>+9%</td>
</tr>
<tr>
<td>Stanford University</td>
<td>15%</td>
<td>7%</td>
<td>+8%</td>
</tr>
<tr>
<td>Columbia University</td>
<td>13%</td>
<td>9%</td>
<td>+4%</td>
</tr>
<tr>
<td>University of California - Berkeley</td>
<td>58%</td>
<td>26%</td>
<td>+32%</td>
</tr>
<tr>
<td>Harvard University</td>
<td>10%</td>
<td>7%</td>
<td>+3%</td>
</tr>
<tr>
<td>New York University</td>
<td>57%</td>
<td>30%</td>
<td>+27%</td>
</tr>
<tr>
<td>University of Michigan - Ann Arbor</td>
<td>71%</td>
<td>51%</td>
<td>+20%</td>
</tr>
<tr>
<td>University of Miami</td>
<td>72%</td>
<td>30%</td>
<td>+42%</td>
</tr>
<tr>
<td>Cornell University</td>
<td>31%</td>
<td>18%</td>
<td>+13%</td>
</tr>
<tr>
<td>Duke University</td>
<td>28%</td>
<td>16%</td>
<td>+12%</td>
</tr>
<tr>
<td>University of Pennsylvania</td>
<td>24%</td>
<td>14%</td>
<td>+10%</td>
</tr>
<tr>
<td>Yale University</td>
<td>18%</td>
<td>7%</td>
<td>+11%</td>
</tr>
<tr>
<td>University of Central Florida</td>
<td>90%</td>
<td>47%</td>
<td>+43%</td>
</tr>
<tr>
<td>Boston University</td>
<td>70%</td>
<td>58%</td>
<td>+12%</td>
</tr>
<tr>
<td>University of California - Los Angeles</td>
<td>48%</td>
<td>23%</td>
<td>+25%</td>
</tr>
<tr>
<td>University of Virginia</td>
<td>64%</td>
<td>32%</td>
<td>+32%</td>
</tr>
<tr>
<td>UNC Chapel Hill</td>
<td>63%</td>
<td>32%</td>
<td>+31%</td>
</tr>
<tr>
<td>Princeton University</td>
<td>16%</td>
<td>8%</td>
<td>+8%</td>
</tr>
</tbody>
</table>
Who knows? You might even start college with 50 hours of university credit like our recent top IB grad from 2017, Sydney Crowley at Texas Tech University.
Why should I think about this now?

You’ll have a more flexible schedule with more choices when you’re a junior/senior if you start planning now.

You will earn the Multidisciplinary Endorsement under House Bill 5 and you may qualify to earn other endorsements as well, including the STEM advanced mathematics and science endorsements.

Planning and choices start now.
IB Students are involved in everything! Belles, Cheer, Volleyball, Basketball, Football, Softball, Soccer, Baseball, Swimming, HOSA, NHS, Track/Cross Country, ROTC, FFA/Ag, Band, Debate, Student Council, Art Club, Clemens Broadcast Network (CBN), DECA, Computer Science, Choir, Journalism—you name it!

If it’s going on at Clemens, there are probably IB students involved, in leadership roles!

Yes, you can be in IB and still have a social life!
If you’re college bound, consider this:

To get into a top college, you’re already going to be in five academic classes every year:

   English, Social Studies, Science, Math, & World Language.

You’re going to have choices no matter which path you take.

Why not show the universities you’re willing to challenge yourself?

You don’t need to be gifted or have perfect grades.

You do need to be motivated, curious, and willing to step up and commit, to work hard for what you want, and to stick with it.
Advanced Placement

Presented by  – Linda Janszen

ljanszen@scuc.txed.net
SCUC ISD is committed to every student’s success.

We believe access to rigorous course work such as Advanced Placement® (AP®) plays an important role in that success.
AP® courses are college-level courses offered in high school

Courses reflect what is taught in top introductory college courses

Students take AP Exams at the end of the course, measuring their mastery of college-level work

A score of 3 or higher on an AP Exam can typically earn students college credit and/or placement into advanced courses in college
Our AP® Courses

- **Arts:** Art History, Music Theory, Studio Art: Drawing Portfolio, Studio Art: 2-D Design Portfolio, Studio Art: 3-D Design Portfolio
- **English:** English Language and Composition, English Literature and Composition
- **History and Social Sciences:** Human Geography, Macroeconomics, Psychology, United States Government and Politics, United States History, World History
- **Mathematics and Computer Science:** Calculus AB, Calculus BC, Statistics, Computer Science A, Computer Science Principles (not a math credit)
- **Sciences:** Biology, Chemistry, Environmental Science, Physics 1: Algebra-based, Physics 2: Algebra-based, Physics C: Electricity and Magnetism, Physics C: Mechanics
- **World languages:** French Language and Culture, German Language and Culture, Spanish Language and Culture, Spanish Literature and Culture
- Underlined courses may not make every year because of low enrollment.
### AP® at Samuel Clemens

<table>
<thead>
<tr>
<th>#</th>
<th>Achievement</th>
<th>All Scores Avg.</th>
<th>Min. Scores</th>
<th>Min. Tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>63</td>
<td>AP Scholar</td>
<td>--</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>16</td>
<td>AP Scholar with Honor</td>
<td>3.25</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>12</td>
<td>AP Scholar with Distinction</td>
<td>3.5</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>1</td>
<td>National AP Scholar</td>
<td>4</td>
<td>4</td>
<td>8</td>
</tr>
</tbody>
</table>

![Graph showing percentage of Total AP Students with Scores 3+ from 2014 to 2018](image)
## AP® at Byron Steele

<table>
<thead>
<tr>
<th>#</th>
<th>Achievement</th>
<th>All Scores Avg.</th>
<th>Min. Scores</th>
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<tbody>
<tr>
<td>15</td>
<td>AP Scholar</td>
<td>--</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>AP Scholar with Honor</td>
<td>3.25</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>9</td>
<td>AP Scholar with Distinction</td>
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<td>8</td>
</tr>
</tbody>
</table>

![Graph showing % of Total AP Students with Scores 3+ from 2014 to 2018]

- Byron P Steele II High School (446088)
- Texas
- Global
AP®: The Benefits

- Students learn rigorous college-level content and skills
- Taking AP is valued in the college admission process
- AP courses are interesting and rewarding academic experiences
- Opportunity to earn valuable credit and placement in college
85% of selective colleges and universities report that a student’s AP experience favorably impacts admission decisions*

Colleges rank grades in college-preparatory courses and strength of curriculum as the two top factors in the admission decision.

AP courses tell college admission officials that students are challenging themselves and preparing for the rigors they'll encounter in their college careers.

*Unpublished institutional research, Crux Research Inc., March 2007
• Taking an AP course helps students build critical thinking skills, confidence, and the essential time management and study skills needed for college success.

• Nationally, research shows that students who score a 3 or higher on an AP Exam typically earn higher grade point averages in college and have higher graduation rates than their non-AP peers*

• Students who take AP courses and exams are much more likely to complete a college degree on time.* Graduating in four years represents a significant savings on the cost of college.

• Only 1 in 4 college students completes a bachelor’s degree in 4 years.

• The average cost of college for a single year is $23,410** for in-state schools (tuition, fees, room/board, misc. expenses).

*College Outcomes Comparisons by AP and Non-AP High School Experiences, The College Board, 2008

**The College Board, Trends in College Pricing 2014, Figure 1
AP® Expands Students’ Options

When students earn college credit through AP Exams, their options and opportunities expand:

• Move to upper-level college courses sooner
• Pursue a double major
• Gain time to study and travel abroad
AP®: A More Engaging Learning Experience

AP courses challenge students to work and participate at a higher level:

- Opportunities to explore topics in depth
- More time in and out of the classroom required to complete assignments and projects
- High expectations for critical thinking, analysis, synthesis, evidence, multiple perspectives, and clear written and verbal communications
AP® Exams

AP Exams are administered by schools worldwide on set dates in May each year.

- Exams are typically 2–3 hours and include:
  - Multiple-choice questions
  - Free-response items such as essays, problem solving, document-based questions and oral response
AP® Exam Fees

- The exam fee for 2019 is $94 per exam.

- Assistance is available for eligible students with financial need:
Each college and university has its own policies regarding AP® credit and placement. The College Board offers information about AP credit at thousands of college and universities at www.collegeboard.org/apcreditpolicy.

- Search by school name or alphabetically
- Data for each school includes a direct link to that school’s Web page detailing AP credit and placement policies
- A statement from the college or university about its AP policy
## AP® Myths & Realities

<table>
<thead>
<tr>
<th>Myth</th>
<th>Reality</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP courses are for students who always get good grades.</td>
<td>AP courses are for any students who are academically prepared and motivated to take college-level courses.</td>
</tr>
<tr>
<td>AP courses are too stressful.</td>
<td>It’s no secret that AP courses are challenging. But the support you receive from your classmates and teachers can help you manage the work load.</td>
</tr>
<tr>
<td>I don't think I will score high enough on the AP Exam to get college credit.</td>
<td>You don’t need to score a 5. Many colleges grant credit — and placement as well — based on a 3 or higher on an AP Exam.</td>
</tr>
<tr>
<td>Taking AP courses could hurt my GPA.</td>
<td>Taking AP courses shows colleges that you’re willing to challenge yourself academically.</td>
</tr>
<tr>
<td>I can’t take AP because no one has recommended me.</td>
<td>If you think you’re ready to take an AP course, then you’re ready to advocate for yourself — just talk to a teacher or counselor.</td>
</tr>
</tbody>
</table>
Help your child prepare to talk to a teacher or counselor about AP. Here are some questions to encourage your child to think about:

**What AP course is right for me?**
Before you talk to a teacher or counselor, think about what interests you:
- Which courses do you enjoy most in school? In which subjects do you excel?
- What college majors are you considering? What careers excite you?

Ask your counselor or teacher the following questions:
- In which AP courses at our school am I likely to do well?
- Are there other courses that can help me succeed in AP or prepare me for college and careers?

**What steps do I need to take?**
- What is our school’s enrollment deadline?
- May I speak with a student who has taken an AP course?
- Are there study groups or people who can offer help if I need it?
- What can I do next to help me prepare for AP?
AP®: Resources Worth Exploring for Students and Families

- AP information: apstudent.collegeboard.org
- College and Career Planning: bigfuture.org
- Personalized feedback, practice and college planning based on your PSAT/NMSQT® results: My College QuickStart™ www.collegeboard.org/quickstart
- AP credit policy information from colleges and universities: www.collegeboard.org/apcreditpolicy
SCUCISD Campus AP Contacts

Linda Janszen- Clemens High School AP Coordinator  
(ljanszen@scuc.txed.net)

Amanda Corbett- Steele High School AP Coordinator  
(acorbett@scuc.txed.net)
High School Lead Counselors

- Clemens High School – Kay Dunkley  
  (ydunkley@scuc.txed.net)

- Steele High School – Ruby Sanchez  
  (rsanchez@scuc.txed.net)
District Contact Information

- Dr. Brett Lemley – Director of Secondary Education
  (jlemley@scuc.txed.net)

- Cassandra Gracia – Director of Counseling, College, Career & Military Readiness.
  (cgracia@scuc.txed.net)

- Dr. Helen Whisenhunt – Coordinator of Advanced Academics
  (hwhisenhunt@scuc.txed.net)