LET THE ADVENTURE BEGIN

CAREER EXPLORATION AND H.S. PLANNING
Picking Your Pathway and Endorsement
Review Career Survey Results
Now that you have an idea of which career paths interest you, what’s the next step?
LCISD Career Cluster Offerings
By Endorsement
2018-2019

Arts & Humanities
- Art
- Band
- Choir
- Dance
- English
- Foreign Language
- Social Studies
- Theatre

Business & Industry
- Agriculture, Food & Natural Resources: Animal Science
- Architecture & Construction: Construction
- Architecture & Construction: HVAC
- Arts, Audio/Video Technology & Communications
- Business Management & Administration
- Combination
- Manufacturing: Welding
- Manufacturing: Machining Technology
- Marketing
- Transportation: Automotive Technology
- English
- Hospitality & Tourism: Culinary Arts
- Information Technology: Computer Technology
- Information Technology: Cyber Security
- Manufacturing: Welding
- Marketing
- Transportation: Automotive Technology

Public Service
- Education & Training
- Health Science
- JROTC
- Law Enforcement

STEM
- Computer Science
- Mathematics
- Science
- PLTW Engineering
- STEM: Combination

Multidisciplinary
- Four credits in each of the four foundation subject areas to include English IV, Chemistry and/or Physics
- Four Advanced courses that prepare students to enter workforce or postsecondary education without remediation from within 1 endorsement area or among endorsement areas that are not in a coherent sequence
- Four credits in AP or dual credit selected from English, math, science, social studies, economics, LOTE or fine arts
STEM

- Computer Science
- Mathematics
- Science
- Project Lead the Way (PLTW): Engineering
- Combination
MULTIDISCIPLINARY STUDIES

- Advanced Courses
- All Foundation subject areas
- Advanced Placement and Dual Credit
PUBLIC SERVICE

- Education and Training
- Air Force Junior ROTC
- Health Science: General
- Health Science: EMT
- Health Science: Medical Billing
- Health Science: Certified Nursing Assistant
- Health Science: Pharmacology
- Law Enforcement

PUBLIC SERVICES
Business & Industry

- English: 4 English electives credits including 3 levels in one of the following: Advanced Broadcast Journalism, Advanced Journalism Newspaper, Advanced Yearbook or Debate
- Agriculture, Food & Natural Resources: Animal Science
- Architecture & Construction: Construction
- Architecture & Construction: HVAC
- Arts, Audio/Video Technology & Communications
- Business Management & Administration
- Hospitality & Tourism: Culinary Arts
- Information Technology: Computer Technology
- Information Technology: Cyber Security
- Manufacturing: Welding
- Manufacturing: Machining Technology
- Marketing
- Transportation, Distribution & Logistics: Automotive Technology
- Combination
ARTS & HUMANITIES

- 4 Credits in the SAME Language
- 2 Credits in 2 Different Language Sequences
- 4 Credits in the SAME Fine Art Subject Area Sequence
- 4 Credits in 1 or 2 Subject Areas in Fine Arts Sequence
- 5 Credits in Social Studies
- English-1 advanced English credit plus 3 additional English credits
So many choices!!!
LCISD offers over 100 elective courses that coordinate with the different endorsement career paths!
Students & Parents Updates

Skyward Family Access

Family Access is a free service and is available to all parents and guardians with children enrolled in the District. Family Access is a secure Internet-based website that allows parents and guardians to easily track their students’ progress. There are even applications for Apple iOS and Android devices available from the appropriate stores. Among other things, this new service will allow you to view student attendance, grades, schedule,
839 Principles of Hospitality & Tourism – 8th
Credit: 1, applies toward high school credit
Prerequisite: None
Hospitality and Tourism is the world’s largest industry and
growing annually. This industry encompasses lodging,
travel and tourism, recreation, amusements, attractions,
resorts, restaurant and food/beverage services. The course
also includes personal success, time management,
leadership, communication skills, customer service and
technology use. Grade points are earned toward high
school GPA (Grade Point Average).

7715 Introduction to Culinary Arts
Credit: 1
Prerequisite: None
Introduction to Culinary Arts will emphasize the principles
of planning, organizing, staffing, directing, and controlling
the management of a variety of food service operations.
The course will provide insight into the operation of a well-
run restaurant. Introduction to Culinary Arts will provide
safety and sanitation, insight to food production skills,
various levels of industry management, and hospitality
skills. This is an entry-level course for students interested
in pursuing a career in the food service industry. This
course is offered as a classroom and laboratory-based
course.

7730C Advanced Culinary Arts
Credit: 2
Prerequisite: Culinary Arts
Want to work your way to becoming a Top Chef? If so, this
class is your road map to getting there. Continue safety
and sanitation concepts learned in Culinary Arts. Let your
creativity shine as you develop menus, test global cuisines
and recipes, create pastry crusts, cakes, fillings, icings,
sauces, and confection; practice cost control and customer
service. Certification in Servsafe is available to all students
meeting testing criteria; see teacher for these details. This
course can earn college credit based on Articulation
agreements with Art Institute of Houston and the Culinary
Institute Le Nort, which are subject to change.

7735C Practicum in Culinary Arts
Credit: 2
Prerequisite: Advanced Culinary Arts; Student must
complete an interest form for enrollment and attend a
meeting with instructor. Students will participate in a
teacher-approved training station (paid or unpaid)
for continuation in this course, must be a minimum age of 16
and hold a valid work documentation to enroll in a paid
practicum experience. Transportation to and from an
optional offsite internship is the responsibility of the
student.

7740 Food Science
Credit: 1
Prerequisite: Biology and Chemistry and a third science
How do we know if our food is safe? This course will use
scientific methods to analyze the role of acids and bases in
food science, apply the principles of food safety, study the
chemical properties of food, and learn the reasons for
additives and leavening agents in food. Also understand
how food provides energy and how digestion and
metabolism affect our bodies. This course is a Career
and Technical Education funded course, and requires 40% 
laboratory and fieldwork requirements.
Which elective courses are you familiar with?
All of these endorsement elective courses are like puzzle pieces. When you put them together with your required core classes, you have a graduation plan.
# HIGH SCHOOL GRADUATION CREDIT REQUIREMENTS FOR STUDENTS ENTERING 9th GRADE IN 2014-2015 & THEREAFTER

## Foundation High School Plan

<table>
<thead>
<tr>
<th>English Language Arts</th>
<th>Four Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• English I, II, III</td>
</tr>
<tr>
<td></td>
<td>• English I and II for Speakers of Other Languages may be substituted for English I and II only for students with limited English proficiency who are at the beginning or intermediate levels of English language proficiency.</td>
</tr>
<tr>
<td></td>
<td>• Additional English Credit:</td>
</tr>
<tr>
<td></td>
<td>o English IV</td>
</tr>
<tr>
<td></td>
<td>o Creative Writing</td>
</tr>
<tr>
<td></td>
<td>o Humanities</td>
</tr>
<tr>
<td></td>
<td>o Literary Genres</td>
</tr>
<tr>
<td></td>
<td>o Research &amp; Technical Writing</td>
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<tr>
<td></td>
<td>o College Preparatory English</td>
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<tr>
<td></td>
<td>o Oral Interpretation III</td>
</tr>
<tr>
<td></td>
<td>o Debate III</td>
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<tr>
<td></td>
<td>o Independent Study in Speech</td>
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<tr>
<td></td>
<td>o Independent Study in Journalism</td>
</tr>
<tr>
<td></td>
<td>o Advanced Broadcast Journalism III</td>
</tr>
<tr>
<td></td>
<td>o Advanced Journalism: Newspaper III</td>
</tr>
<tr>
<td></td>
<td>o Advanced Journalism: Yearbook III</td>
</tr>
<tr>
<td></td>
<td>o AP English Literature &amp; Composition</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Math</th>
<th>Three Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Algebra</td>
</tr>
<tr>
<td></td>
<td>• Geometry</td>
</tr>
<tr>
<td></td>
<td>• Additional Mathematics Credit</td>
</tr>
<tr>
<td></td>
<td>o Mathematical Models with Applications</td>
</tr>
<tr>
<td></td>
<td>o Digital Electronics</td>
</tr>
<tr>
<td></td>
<td>o Algebra II</td>
</tr>
<tr>
<td></td>
<td>o Precalculus</td>
</tr>
<tr>
<td></td>
<td>o Advanced Quantitative Reasoning</td>
</tr>
<tr>
<td></td>
<td>o Independent Study in Math</td>
</tr>
<tr>
<td></td>
<td>o AP Statistics</td>
</tr>
<tr>
<td></td>
<td>o AP Calculus AB</td>
</tr>
<tr>
<td></td>
<td>o AP Calculus BC</td>
</tr>
<tr>
<td></td>
<td>o AP Computer Science A</td>
</tr>
<tr>
<td></td>
<td>o Engineering Mathematics</td>
</tr>
<tr>
<td></td>
<td>o Statistics and Business Decision Making</td>
</tr>
<tr>
<td></td>
<td>o Accounting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Science</th>
<th>Three Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Biology</td>
</tr>
<tr>
<td></td>
<td>• One Additional Science Credit</td>
</tr>
<tr>
<td></td>
<td>o Integrated Physics and Chemistry (IPC)</td>
</tr>
<tr>
<td></td>
<td>o Chemistry</td>
</tr>
<tr>
<td></td>
<td>o AP Chemistry</td>
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<tr>
<td></td>
<td>o Physics</td>
</tr>
<tr>
<td></td>
<td>o Principles of Technology</td>
</tr>
<tr>
<td></td>
<td>o AP Physics-C</td>
</tr>
<tr>
<td></td>
<td>• Additional Science Credit</td>
</tr>
<tr>
<td></td>
<td>o Chemistry</td>
</tr>
<tr>
<td></td>
<td>o Physics</td>
</tr>
<tr>
<td></td>
<td>o Aquatic Science</td>
</tr>
<tr>
<td></td>
<td>o Astronomy</td>
</tr>
<tr>
<td></td>
<td>o Earth and Space Science</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Studies</th>
<th>Three Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• World Geography or World History</td>
</tr>
<tr>
<td></td>
<td>• US History</td>
</tr>
<tr>
<td></td>
<td>• US Government (1/2 credit)</td>
</tr>
<tr>
<td></td>
<td>• Economics (1/2 credit)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Physical Education</th>
<th>One Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>L.O.T.E.</td>
<td>Two Credits (in the same language)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>One Credit</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Total</th>
<th>Five Credits</th>
</tr>
</thead>
</table>

## FOUNDATION HIGH SCHOOL PLAN + ENDORSEMENT

Requires Foundation High School Program Plan plus 4 additional credits (one additional math including Algebra II, one additional science, and two additional electives)  
Total 26 credits

- **Additional math credit selected from:**
  - Algebra II (required if not taken previously)
  - Precalculus
  - Advanced Quantitative Reasoning
  - Independent Study in Math
  - AP Statistics
  - AP Calculus AB
  - AP Calculus BC
  - AP Computer Science A
  - Engineering Mathematics
  - Statistics and Business Decision Making
  - College Preparatory Math
  - Accounting II

- **Additional science credit selected from:**
  - Chemistry
  - Physics
  - Aquatic Science
  - Astronomy
  - Earth and Space Science

- **Environmental Systems**
- **Medical Microbiology**
- **Food Science**
- **Forensic Science**
- **Principles of Technology**
- **Scientific Research and Design**
- **Engineering Design and Problem Solving**
- **Engineering Science**
- **AP Biology**
- **AP Chemistry**
- **AP Physics C**
- **AP Environmental Science**
- **Advanced Animal Science**
- **Anatomy and Physiology**

- **Two additional elective credits**
## DEFAULT GRADUATION PLAN: Distinguished Level of Achievement

<table>
<thead>
<tr>
<th>Subject</th>
<th>8th Grade</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English – 4 total</strong></td>
<td></td>
<td><strong>English 1</strong></td>
<td><strong>English 2</strong></td>
<td><strong>English 3</strong></td>
<td><strong>English 4</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Options: Academic or</td>
<td>Options: Academic or</td>
<td>Options: Academic or</td>
<td>Options: Academic or AP, Dual</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pre AP</td>
<td>Pre AP</td>
<td>Pre AP</td>
<td>Pre AP</td>
</tr>
<tr>
<td><strong>Math – 4 total</strong></td>
<td></td>
<td><strong>Algebra 1</strong></td>
<td><strong>Geometry</strong></td>
<td><strong>Algebra 2</strong></td>
<td><strong>PreCalculus</strong></td>
</tr>
<tr>
<td>(Must take Alg 1, Geom, Alg 2)</td>
<td></td>
<td>Options: Academic or</td>
<td>Options: Academic or</td>
<td>Options: Academic or Pre AP, Dual</td>
<td>Options: Academic or Pre AP, Dual</td>
</tr>
<tr>
<td><strong>Science – 4 total</strong></td>
<td></td>
<td><strong>Biology</strong></td>
<td><strong>Chemistry</strong></td>
<td><strong>Physics</strong></td>
<td>4th Science:</td>
</tr>
<tr>
<td>(Must take Biology)</td>
<td></td>
<td>Options: Academic or Pre AP</td>
<td>Options: Academic or Pre AP</td>
<td>Options: Academic or Pre AP</td>
<td>Options: Academic or Pre AP</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td></td>
<td><strong>World Geography</strong></td>
<td><strong>World History</strong></td>
<td><strong>US History</strong></td>
<td><strong>Government (5)</strong></td>
</tr>
<tr>
<td>(3 required, 4 credits strongly recommended)</td>
<td></td>
<td>Options: Academic, Pre AP, AP</td>
<td>Options: Academic, Pre AP, AP</td>
<td>Options: Academic, AP, Dual</td>
<td>Options: Academic, AP, Dual</td>
</tr>
</tbody>
</table>

### Endorsement Course

- **Elective**
  - LOTE, Fine Art, PE, Other Electives

- **Elective**
  - Foreign Language 1 – suggestion, can move
  - Foreign Language 2 – suggestion, can move

### Post-Secondary Plan:

- **Arts & Humanities**
  - Pathways: Art/Band/Choir/Dance/Theatre, English, Foreign Language 1 or 2, Social Studies

- **Business & Industry**

- **Public Service**
  - Pathways: Education, Health Science, RUTC, Law Enforcement

- **STEM**
  - Pathways: Computer Science, Math, Science, Pegasus, Combo

- **Multidisciplinary**
  - Pathways: 4 x 4, AP/Dual Credit, Advanced Courses
4 English
4 Math
4 Science
3-4 Social Studies

2 LOTE
(Languages Other Than English)

1 PE

7 Electives

1 Fine Art

1 Fine Art
High school is an exciting time to explore your interests and talents. Which endorsement career path would you like to know more about?
This video along with additional information and handouts can be found in Canvas.