

RONCALLI  
HIGH  
SCHOOL



REGISTRATION  
BOOK

2021—2022

*Instilling Catholic values and promoting academic  
excellence by nurturing mind, body and soul.*

Roncalli High School Mission Statement

*Instilling Catholic values and promoting academic excellence by nurturing mind, body and soul.*

The mission statement of the Aberdeen Catholic School System guides the decisions that are made regarding course offerings for our students. We believe that, in addition to offering the courses that are required for graduation and college entrance, we offer students the depth and variety necessary to fulfill our mission.

Students,

This registration book will provide information on the education program offered by Roncalli High School. It should be used as a guide to formulate a 4-year plan which prepares the student for graduation and for a future after high school; whether that is 4-year institution, technical school, military, or work force.

We understand as a student grows and is exposed to different courses and opportunities his or her interests may change. It is important to revise and update this 4-year plan each year to grow with these changes. We strongly encourage students to create their plans with the guidance of their parents, school counselor and teachers. Make sure you review graduation requirements and check your credits so that you know that you are meeting all the requirements for graduation and admission into the post-secondary option of your choice.

Once you have a 4-year plan created or updated it is important to complete the registration process, including a parent signature, by the date due. Our goal is to make every effort to have a tentative schedule created before you leave school in May. Once the schedule is created it will be difficult, and in some cases, impossible to change your schedule. It is extremely important that you take this process seriously and select courses that YOU want to take, not what your current friends are taking.

If you have questions, do not be afraid to ask.



Paula Florey, 7-12 Principal

### Registration Process:

1. Review the graduation requirements and select an endorsement that you wish to pursue.
2. Compare your credits earned to the graduation requirements needed.
3. Complete or revise your Learning plan providing opportunities to explore your career areas and taking classes that prepare you for this path.
4. Turn in your Learning Plan and registration materials by the due date.

## Terms

**Credit:** Credit is earned when a subject has been completed satisfactorily. Sometimes credits are referred to as units. In most cases at Roncalli a class that meets every day for a semester is worth .5 credit.

**Dual Enrollment:** Courses taken at the college level while in high school. Students earn both college and high school credit. Students must meet the requirements set forth by the college in order to take a dual enrollment course. Students are treated as college students when taking dual enrollment courses.

**A-Tec Course:** Aberdeen Public Schools offer a variety of Career and Technical courses at their A-Tec building. Roncalli juniors and seniors may take these courses if they plan ahead and they can fit them into their schedule.

**CTE Course:** Career and Technical Education courses provide students exposure to careers in specific clusters or pathways.

**Semester:** Roncalli has 2 semesters each made up of 2 quarters. Grades are posted to the student's transcript at the end of each semester. And credit is awarded at the end of the semester.

**Required Courses:** Each subject area has specific courses which must be successfully completed. If a student fails a required course, he/she must retake it.

**Elective Courses:** Courses that the student chooses to take that isn't a required course. Each subject area has elective courses offered.

**Prerequisite:** A course that must be taken or grade that must be earned in a previous course prior to taking an upper level course.

**Transcript:** This is an academic record of a student's grades while in high school. A transcript includes all coursework 9-12. Semester grades and credit earned are posted to the student's transcript, as well as the student's grade point average for each semester and overall.

## Graduation Requirements

Students at Roncalli are required to choose one or more endorsements to meet graduation requirements. All endorsements specify the types of courses a student must take to meet graduation requirements. Endorsements may be switched up to junior year. It is important to plan carefully each year when updating your Learning Plan.

**Roncalli Graduation Requirements**

BASE DIPLOMA		+	ADVANCED CAREER ENDORSEMENT		+	OR	ADVANCED ENDORSEMENT (Meets SD public College/University minimum admission requirements)		+	OR	ADVANCED HONORS ENDORSEMENT (Meets course requirements for Opportunity Scholarship)		Students must earn a C or higher in required course work to qualify for scholarship.	
Subject	Units	Subject	Units	Subject	Units	Subject	Units	Subject	Units					
<b>ENGLISH</b>	<b>4</b>	<b>ENGLISH</b>	<b>4</b>	<b>ENGLISH</b>	<b>4</b>	<b>ENGLISH</b>	<b>4</b>	<b>ENGLISH</b>	<b>4</b>	English 9 & Speech	1	English 9 & Speech	1	
English 9 & Speech	1	English 9 & Speech	1	English 9 & Speech	1	English 9 & Speech	1	English 9 & Speech	1	English 10	1	English 10	1	
English 10	1	English 10	1	English 10	1	English 10	1	English 10	1	Am Lit & Comp	1	Am Lit & Comp	1	
Am Lit & Comp	1	Am Lit & Comp	1	Am Lit & Comp	1	Am Lit & Comp	1	Am Lit & Comp	1	Writing Elective	0.5	Writing Elective	0.5	
English Electives	1	English Electives	1	English Electives	1	English Electives	1	English Electives	1	English Elective	0.5	English Elective	0.5	
<b>MATH</b>	<b>3</b>	<b>MATH</b>	<b>3</b>	<b>MATH</b>	<b>3</b>	<b>MATH</b>	<b>3</b>	<b>MATH</b>	<b>4</b>	Algebra 1	1	Algebra 1	1	
Alg 1 OR Alg 1A/1B	1 or 2	Alg 1 OR Alg 1A/1B	1 or 2	Alg 1 OR Alg 1A/1B	1 or 2	Alg 1 OR Alg 1A/1B	1 or 2	Alg 1 OR Alg 1A/1B	1 or 2	Geometry	1	Geometry	1	
Math Electives	1 or 2	Math Electives	1 or 2	Math Electives	1 or 2	Math Electives	1 or 2	Math Electives	1 or 2	Algebra 2	1	Algebra 2	1	
										Advanced Math	1	Advanced Math	1	
										*Algebra 1A & 1B = Algebra 1 for college entrance				
<b>SCIENCE</b>	<b>3</b>	<b>SCIENCE</b>	<b>3</b>	<b>SCIENCE</b>	<b>3</b>	<b>SCIENCE</b>	<b>3</b>	<b>SCIENCE</b>	<b>4</b>	Physical Science	1	Physical Science	1	
Physical Science	1	Physical Science	1	Physical Science	1	Physical Science	1	Physical Science	1	Biology	1	Biology	1	
Biology	1	Biology	1	Biology	1	Biology	1	Biology	1	Chemistry or Physics	1	Chemistry or Physics	1	
Science Elective	1	Science Elective	1	Science Elective	1	Science Elective	1	Science Elective	1	Science Elective	1	Science Elective	1	
<b>SOCIAL SCIENCE</b>	<b>3</b>	<b>SOCIAL SCIENCE</b>	<b>3</b>	<b>SOCIAL SCIENCE</b>	<b>3</b>	<b>SOCIAL SCIENCE</b>	<b>3</b>	<b>SOCIAL SCIENCE</b>	<b>3</b>	Geography	0.5	Geography	0.5	
Geography	0.5	Geography	0.5	Geography	0.5	Geography	0.5	Geography	0.5	World History	0.5	World History	0.5	
World History	0.5	World History	0.5	World History	0.5	World History	0.5	World History	0.5	US History	1	US History	1	
US History	1	US History	1	US History	1	US History	1	US History	1	American Gov	0.5	American Gov	0.5	
American Gov	0.5	American Gov	0.5	American Gov	0.5	American Gov	0.5	American Gov	0.5	SS Elective	0.5	SS Elective	0.5	
SS Elective	0.5	SS Elective	0.5	SS Elective	0.5	SS Elective	0.5	SS Elective	0.5					
<b>THEOLOGY</b>	<b>4</b>	<b>THEOLOGY</b>	<b>4</b>	<b>THEOLOGY</b>	<b>4</b>	<b>THEOLOGY</b>	<b>4</b>	<b>THEOLOGY</b>	<b>4</b>	Rev of Jesus/Who Is Jesus	1	Rev of Jesus/Who Is Jesus	1	
Rev of Jesus/Who Is Jesus	1	Rev of Jesus/Who Is Jesus	1	Rev of Jesus/Who Is Jesus	1	Rev of Jesus/Who Is Jesus	1	Rev of Jesus/Who Is Jesus	1	Mission of Jesus/Jesus Mission Continues	1	Mission of Jesus/Jesus Mission Continues	1	
Mission of Jesus/Jesus Mission Continues	1	Mission of Jesus/Jesus Mission Continues	1	Mission of Jesus/Jesus Mission Continues	1	Mission of Jesus/Jesus Mission Continues	1	Mission of Jesus/Jesus Mission Continues	1	Sacraments/Life of Jesus	1	Sacraments/Life of Jesus	1	
Sacraments/Life of Jesus	1	Sacraments/Life of Jesus	1	Sacraments/Life of Jesus	1	Sacraments/Life of Jesus	1	Sacraments/Life of Jesus	1	Theology Electives	1	Theology Electives	1	
Theology Electives	1	Theology Electives	1	Theology Electives	1	Theology Electives	1	Theology Electives	1					
<b>FINE ARTS</b>	<b>1</b>	<b>FINE ARTS</b>	<b>1</b>	<b>FINE ARTS</b>	<b>1</b>	<b>FINE ARTS</b>	<b>1</b>	<b>FINE ARTS</b>	<b>1</b>					
<b>PHYSICAL ED/HEALTH</b>	<b>1</b>	<b>PHYSICAL ED/HEALTH</b>	<b>1</b>	<b>PHYSICAL ED/HEALTH</b>	<b>1</b>	<b>PHYSICAL ED/HEALTH</b>	<b>1</b>	<b>PHYSICAL ED/HEALTH</b>	<b>1</b>					
<b>PERSONAL FINANCE</b>	<b>0.5</b>	<b>PERSONAL FINANCE</b>	<b>0.5</b>	<b>PERSONAL FINANCE</b>	<b>0.5</b>	<b>PERSONAL FINANCE</b>	<b>0.5</b>	<b>PERSONAL FINANCE</b>	<b>0.5</b>					
<b>APPROVED CTE - OR - WORLD LANG - OR - CAPSTONE / INTERNSHIP</b>	<b>1</b>	<b>**APPROVED CTE OR CAPSTONE / INTERNSHIP</b>	<b>2+</b>	<b>**APPROVED CTE - OR - WORLD LANG - OR - CAPSTONE / INTERNSHIP</b>	<b>1</b>	<b>**APPROVED CTE - OR - WORLD LANG - OR - CAPSTONE / INTERNSHIP</b>	<b>1</b>	<b>**APPROVED CTE - OR - WORLD LANG - OR - CAPSTONE / INTERNSHIP</b>	<b>2</b>					
<b>ELECTIVES</b>	<b>6.5</b>	<b>ELECTIVES</b>	<b>5.5</b>	<b>ELECTIVES</b>	<b>6.5</b>	<b>ELECTIVES</b>	<b>6.5</b>	<b>ELECTIVES</b>	<b>3.5</b>					
<b>TOTAL CREDITS</b>	<b>27</b>	<b>TOTAL CREDITS</b>	<b>27</b>	<b>TOTAL CREDITS</b>	<b>27</b>	<b>TOTAL CREDITS</b>	<b>27</b>	<b>TOTAL CREDITS</b>	<b>27</b>					
		**APPROVED CTE units from same career cluster <b>OR</b> Capstone Experience units <b>AND</b> attainment of an industry-recognized credential <b>OR</b> National Career Readiness Certificate of Silver or higher						**2 units of either of the following or a combination of the two: Approved CTE courses <b>OR</b> Modern or Classical Language (including US Sign Lang); Units must be in the same language						

## Questions Most Frequently Asked

### 1. **How important is grade point?**

Grade point average is one of the criteria used for college admissions and it's something they take seriously, but it is not as important as taking the proper courses to gain the background required for your chosen major. Too often students choose to avoid challenging courses because they fear it will affect their GPA negatively. Roncalli weights college prep and college courses to encourage students to challenge themselves.

### 2. **How important are standardized test scores?**

Colleges and Universities use standardized test scores for admissions. Students who prepare themselves academically by taking a strong core academic program will prepare themselves for these tests. Roncalli requires their students in grades 3-10 to take the ACT Aspire test to help their students prepare for the ACT test. Students also are offered the opportunity to take the PSAT test as juniors to help prepare them for the SAT test.

### 3. **When should I begin selecting a trade/technical school or college/university?**

Selection of a post-secondary institution can be a difficult process. Part of this process is identifying the criteria that is important to you in selecting an institution of higher learning. Cost, locations, size, and majors offered are factors that should be considered in your decision. It is important to start early so that you properly understand admission requirements and deadlines. Your counselor will be able to provide you guidance when choosing a school.

### 4. **When should I begin visiting with college representatives?**

Colleges and universities will visit Roncalli throughout the year. This is the best way to get information about the campus without going to campus. Juniors and seniors are strongly encouraged to take these opportunities to learn more.

### 5. **How do I find out about scholarships and financial aid for further education?**

Your counselor will have information about scholarships and financial aid. You should also check your institution's financial aid page. There are many free online scholarship search engines available. You may receive offers via the mail or email to help you find financial aid for a fee. Always talk to your counselor prior to paying for any services like this. In most cases you can apply for scholarships and grants for free.

### 6. **Should I become involved in school activities?**

Involvement in school activities are important. It is a way to increase leadership and teamwork skills. It also allows you to get to know people who you might not always interact with. Roncalli has activities like oral interp, plays, athletics, student government, NHS, music, robotics, SADD, retreat team.

### 7. **Who is responsible for making sure I have earned all the requirements for graduation?**

The graduation requirements are clearly stated in this book so that the student and his/her parents' will be able to track the student's progress toward graduation. Ultimately it is the student's and his/her parents responsibilities to see that the graduation requirements are met. The counselor will work with the students so that they have laid out a plan that best prepares them for their future. Students should take time to set-up meetings often with their counselor to make sure they are making adequate progress

## **Personal Learning Plan**

All students will create a Personal Learning Plan. This plan will include career objectives, endorsement options they are pursuing and 4-year high school course plan. These plans will be updated periodically throughout the year during classroom guidance. Students will use their individual xello.com accounts to assist in making these plans.

## **Academic Load**

Students in grades 9-11 must take a minimum of 7 academic courses each semester. Seniors may take 6 academic courses each semester if they have successfully completed a minimum of 21 credits prior to entering their senior year. Juniors and seniors must have a minimum of 4 Roncalli onsite courses each semester (study hall does not count as a course).

## **Adding/Dropping Courses**

Students have 5 days at the beginning of each semester to add or drop an elective course. If a student chooses to drop a full year course at the beginning of the second semester, he/she would earn .5 credit for the first semester if they earned a D- or higher during that semester. Students considering dropping a full year course should consult the counselor.

## **A-Tec Courses**

Juniors and seniors who can have planned correctly will have time in their schedule to allow them to take CTE courses that are not offered at Roncalli at the A-Tec building. Special schedules create conflicts with off campus classes. Students must balance the demands of these schedules and are responsible for communicating with their instructors accordingly. Students are responsible for their transportation to and from the A-Tec building.

## **Credit Recovery**

If a student fails a required course, they will have to retake the course. There are two options to do this: retaking it in the regular classroom at Roncalli during the normal school year or through Edgenuity, an online provider, during the summer or school year.

### *Edgenuity Rules:*

- The cost for an Edgenuity credit recovery course is \$225 per semester course. The fee must be paid before the course will be loaded.
- Students enrolling in a summer credit recovery course must have the course finished before the first day of the fall semester.
- Students taking a credit recovery course through Edgenuity during the school year must complete the course before the last day of that semester.
- All tests for the course must be proctored by a school employee.
- Students who can fit the actual Roncalli course into their schedule during the semester cannot take an Edgenuity course during that semester unless they have special permission from the principal.

## **SD Board of Regents Scholar AND SD Opportunity Scholarship**

The SD Board of Regents Scholar designation has the same requirements as the SD Opportunity Scholarship. The SD Opportunity Scholarship offers students the potential of \$6500 over 4 years to students graduating from SD high schools who complete a challenging curriculum. In order to qualify you must graduate from a South Dakota High School with a minimum GPA of 3.0, have earned at least a 24 on the ACT. The student must pass the curriculum requirements below with a grade of C or higher (C- is not acceptable).

- Four Units of English
- 4 Units Math (Algebra 1 or higher)
- 4 Units of Science (3 must be approved laboratory science)
- 3 Units of Social Studies
- 2 Units of the same World Language, CTE or a combination of the two
- 1 Unit of Fine Arts
- 1 Unit of PE/Health
- .5 Unit of Personal Finance or Economics

Students can also establish initial eligibility in the SD Opportunity Scholarship program (not SD Board of Regents Scholar) by obtaining a composite ACT score of 28 (1250 on the SAT) and meeting the most current college readiness benchmarks in the areas of English, Reading, Mathematics, and Science. This applies to students completing alternative instruction and high school graduates who have not met one of the above curriculum requirements.

### **Study Hall Policy**

Roncalli students may have no more than 1 regular study hall each semester. This is a time where students have an opportunity to work on homework and is supervised by a teacher.

Students who take online courses whether they are dual enrollment, through the SD Virtual School, or Edgenuity will be assigned to a room which may or may not be in the study hall. This is termed as a restricted study hall. Students who take 1-2 online courses will receive a restricted study hall for each course and can still have one regular study hall. Students taking 3 or more online courses will get a maximum of 3 restricted study halls and cannot be in a regular study hall.

### **Dual Credit**

Juniors and seniors who meet the admission requirements can enroll in dual enrollment courses through public institutions. Students are awarded high school credit and college credit for these courses. It is important to realize that dual credit courses are taught by postsecondary institution faculty members. You are treated as a college student; therefore, you must follow the institution's policies. You are held to the same expectations as a normal college student.

South Dakota Legislature dictates the cost of the courses. Currently students enrolling in dual enrollment course work are charged \$48.33 per-credit PLUS the cost of any required textbooks or related materials needed.

At Roncalli you can take dual enrollment courses online or at Northern State University's campus or Presentation College. If possible, you are encouraged to take courses on campus versus online because you have more contact with the instructors and other students.

State law allows high school students to take up to 3 college courses per semester, BUT Roncalli strongly encourages juniors to take only **one** online course each semester and seniors to take **no more than 2 online** courses. Students wanting to take more should visit with the counselor for approval.

If you wish to enroll in a dual enrollment course, you must meet the following criteria:

**Juniors:**

- ACT Composite of 24 or higher OR
- ranks in the upper one-third of their graduating class OR
- a cumulative GPA of at least a 3.50 on a 4.00 scale OR
- ACT Aspire (Sophomore) summative composite score of 434

**Seniors:**

- ACT composite score of 21 OR
- rank in the upper one-half of their graduating class OR
- a cumulative GPA of at least a 3.25 on a 4.00 scale

If you do not meet the above criteria you can still qualify if you are a junior or senior IF you meet **ALL** of these requirements:

- ACT Score of 18 (or 21 for USD and SDSM&T)
- Successful completion of coursework requirements
  - 4 years of English
  - 3 years of advanced math
  - 3 years of laboratory science
  - 3 years of social studies
  - one year of fine arts.

**Students who want to enroll in or English Composition I (ENGL101) will have to meet the English sub score requirements of an of 18. Students who want to take College Algebra (MATH Students who do not meet these cut points could also take the ACCUPLACER test at Northern to see if they qualify. College Algebra (MATH 114) must meet the selection score of 1150. Use this calculator to see if you qualify.**  
<https://apps.northern.edu/MICalculatorAPP/Default.aspx>

**Roncalli Deadlines to Apply for Dual Credit Courses are: August 1<sup>st</sup> for 1<sup>st</sup> semester courses and December 15<sup>th</sup> for 2<sup>nd</sup> semester courses.** This means all paperwork must be submitted online to the colleges and to the counselor or principal by this time. Please remember some classes fill up fast so if you wait until the last day to sign up you may not get into the course



# ENGLISH

Students must successfully complete 4 years of English. English 9, Speech, English 10, American Lit/Composition are all required course. All *senior elective courses may not be offered every year.*

## English 9 - .5 credit

Course #: 01001

### **(Required 9th grade)**

The students explore grade appropriate selections from an array of genres. Shakespeare is introduced along with some other classics. Students practice grammar in writing and generating ideas through essays and inferences from texts they read.

## Speech - .5 credit

Course #: 01151

### **(Required 9th grade)**

Students learn how to speak both informally and formally through a variety of different speeches. Students will practice and develop communication skills that can be used in a variety of speaking situations. Course topics may include (but not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.

## English 10 - 1 credit

Course #: 01051

### **Required 10th grade**

#### **(Prerequisite: successful completion of English 9 and Speech)**

This course is the second progression of required classes in fundamental language arts skills and is a prerequisite for most elective classes. Following the state content standards, the class builds upon the skills and concepts taught in English 9. The course develops all communication skills: reading, writing, listening, and speaking. A development of active reading strategies and vocabulary improvement will be stressed. Students will review grammar and write various essays including a Science Fair research paper. The students will explore and analyze a wide variety of literary genres including novels, short stories, poetry, and drama.

## American Literature and Composition - 1 credit

Course #: 01003

### **Required 11th grade.**

#### **(Prerequisite - successful completion of English 10)**

This course will explore American literature from the Puritan era to Post-Modernism. Students will study the political, religious, historical, social, and cultural influences on the literature and authors, as well as biographical information about those writers. Texts will include the novel, drama, non-fiction, poetry, and short story. Students will review grammar and write various essays with particular emphasis on literary and rhetorical analysis.

## Technical Writing and Business Communications - .5 credit (not an NCAA Approved English Course)

Course #:01156

12th grade

#### **(Prerequisites: Successful completion of American Literature and Composition)**

This class comprises of technical communication and written skills in the workforce. Appropriate wording and style for resumes, cover letters, memos, formal reports, and interview practices. Students practice grammar through writing and daily assignments.

### **British Literature - .5 credit**

Course #: 01056

12th grade

***(Prerequisites: Successful completion of American Literature and Composition)***

British Literature is a semester English elective designed for college bound students which will prepare students for the rigors of college-level English course. The class provides a survey of British Literature from the Anglo-Saxon period to the modern age. Students will gain experience in various types of writing including literary analysis, persuasive writing, and research-based writing.

### **World Literature - .5 credit**

Course #: 01058

12th grade

***(Prerequisites: Successful completion of American Literature and Composition)***

This course consists of the study of classic literature from all parts of the world, excluding the United States. The survey begins with ancient Greek and Roman literature and will continue chronologically up through modern times, looking not just at the literature of the period but at the culture as well.

### **Mythology - .5 credit**

Course #: 01065

12th grade

***(Prerequisites: Successful completion of American Literature and Composition)***

Mythology is a survey of ancient Greek and Roman stories about heroes, gods and the universe. It focuses on how a mythology reflects the culture of the people and offers a rational explanation of natural and scientific phenomena. The class concerns itself with the god structures, stories, and ideas expressed in these mythologies. Common motifs and themes are identified.

### **Novel Explorations - .5 credits**

Course #: 01053

12<sup>th</sup> grade (1<sup>th</sup> grade with permission of instructor)

***(Prerequisites: Successful completion of American Literature and Composition or Instructor Approval)***

Students will read, discuss, and analyze novels from various periods selected for their literary merit and as representative types of fiction. Summer reading is a requirement,

### **Film Studies - .5 credits (not an NCAA Clearinghouse approved English class)**

Course #: 01061

11th or 12th grade

***(Prerequisites: 11th grade student must have successfully completed English 10 and also be enrolled in American Literature/Composition. 12th grade students must have successfully completed American Literature/Composition.)***

This course introduces students the basics of film analysis and helps students develop the skills to recognize, analyze, describe, and enjoy film as an art and entertainment form. The course will give the students a language to speak about film and allow them to use this newfound knowledge from the content area along with their previously developed analytical skills from their literature courses in order to broaden their critical thinking skills. With the idea of visual literacy, students will learn about the language of cinematography, editing, directing, use of sound, etc.

### **Creative Writing - .5 credit**

Course #: 01104

9-12th grade

This class guides students in fictional writing through experiences in many different genres. The class also analyzes works of literary fiction and uses literary fiction as a way of inspiration.

**Elective English Courses:** The following courses are taught by the English department and count toward general elective credits and not English credits.

**Journalism I - 1 credit**

Course #: 11101

11th or 12th grade

**(Prerequisites: Students must have earned a B in both English 9 and 10 and have instructor's permission.)**

Journalism is an introduction to the field of newspaper journalism with an emphasis on gathering, writing, editing, and publishing news, news features, features, editorials, and photojournalism. Students will use InDesign to design and produce *The Cavalcade*, the school's monthly newspaper.

**Journalism II - 1 credit**

Course #: 11104

12th grade

**(Prerequisites: Student must have passed Journalism 1 and have instructor's permission.)**

Students continue polishing journalism skills by producing the school yearbook, *The Lance*. Students use cross-curricular academic skills in a real-world context: they collaborate to run a business, creating and marketing a product for their peers. In the process, they communicate through interviews, writing and presenting stories with both photo and words. They think critically as they plan, market, track to goals and revise. They collaborate as they individually contribute to a group venture, and they think creatively as they come up with solutions to problems and create layouts. Yearbook students spend about 100 hours in computer seat time utilizing cutting-edge technology including design programs, word processing, research, and digital photography.

## **FINE ARTS**

Students must successfully complete 1 credit of fine arts in order to graduate. Roncalli offers the following fine arts courses.

**Art 1 - 1 credit**

Course #: 05154

9-12th grade

This is a yearlong course with the quarters divided into the study of 2 and 3-dimensional works of art. The Fine Art areas of study will include drawing, painting, printmaking, ceramics and sculpture. Students will create art with a variety of mediums such as pencil, ink, colored pencils, oil and chalk pastels, watercolor and acrylic paint, clay, glazes, linoleum, wood plastic, wire, and plaster. Students will be required to complete out of class drawings in a sketchbook and take a final semester test.

**Art 2 - 1 credit**

Course #: 05156 & 05161

10-12th grade

**(Prerequisite successful completion of Art 1)**

This Fine Art year long course but students may elect to take one or both semesters. The fall semester will concentrate on drawing, painting and mixed mediums. The spring semester will devote time to printmaking, ceramics and sculpture. These students will be creating advanced techniques in drawing, painting, printmaking, ceramics, sculpture and mixed mediums. These students will also have a sketchbook of required drawings and take a final semester test.

### **Art 3 - 1 credit**

Course #: 05170

11-12<sup>th</sup> grade

**(Prerequisites 4 semesters of Art 1 and Art 2 and by permission of the instructor based on their accomplishments in Art 1 and Art.)**

This class is designed for those students that are planning a career in the field of art or have a great desire to continue the work they have completed in Art 1 and Art 2. These students will have a written plan describing what they will accomplish each quarter and it will be approved by the teacher. Students will also be required to keep a visual journal/sketchbook of their progress on each piece of artwork and a final written critique of each finished project. Students will have weekly critiques with the teacher to evaluate the work in progress. These students will be expected to submit artwork to be entered in 2 regional art shows and participate in a final art show at the end of the course. Students may choose to create a work of art to be permanently hung in the high school.

### **Roncalli Band - 1 credit**

Course #: 05101

**(Prerequisite: Teacher Discretion/Approval Needed)**

Band is open to students in grades 9-12 and meets daily. From August-October, all students participate in marching band, culminating with 2-3 required competitions. During November-May, all students complete a performance audition, transitioning to concert band. Based on those auditions, select students are invited to also participate in jazz band. Required concert/jazz band events are the Christmas Concert, Small Group Contest, Music in Our Schools Concert, Large Group Contest, Pop's Concert, and Graduation. Throughout August-March, all students participate in pep band. The band plays three home events each for football, volleyball, girls basketball, and boys basketball plus home postseason events. A schedule of all band performances is given to students on the first day of school and is available on Google Classroom. Other events may be added to these lists as opportunities arise. All students are expected to attend all performances, unless excused with permission of the director. All students are also encouraged to take part in All-State auditions. Lessons are available upon request.

### **Choir - 1 credit**

Course #:05110

9-12<sup>th</sup> grade

Vocal courses develop students' vocal skills within the context of a large, or small ensemble, in which they perform a variety of repertoire. These courses are designed to develop students' vocal techniques and their ability to sing parts and include experiences in creating and responding to music. Course goals also include helping students develop their solo singing ability, and also, to work together with a group for a common goal. All students will perform in six performances: Fall Fine Arts Event, Christmas Concert, Small Group Contest, Music In Our Schools Concert, Large Group Contest, and Pop's Concert. All students are expected to attend all performances, unless excused with permission of the director. All students are also encouraged to take part in All-State Chorus auditions.

### **Drama - .5 credit**

Course #: 05051

9-12 grade

The student actively participates in improvisation, pantomime, and in elements of acting: body movement, voice development and projection, and character development. Appreciation for drama is encouraged through exploring the history of drama and its varieties. Fundamentals of play production are reviewed: stage setting, lighting, costuming, and makeup.

## FOREIGN LANGUAGE

### Spanish I - 1 credit

Course #: 24052

9-12<sup>th</sup> grade

**Prerequisite C or better in most recent English course. You must pass first semester to go onto second semester.**

Students will be introduced to the Spanish language through basic conversational skills, with a grammatical focus. A degree of Spanish proficiency will be acquired in the four skills of learning: listening, speaking, reading, and writing. The language will be supplemented with an array of cultural readings, movies, and activities.

### Spanish II - 1 credit

Course #: 24053

10-12<sup>th</sup> grade

**Prerequisite: B or better in Spanish 1. You must pass first semester to go onto second semester.**

Students review and build upon the material presented in Spanish I. A more in-depth explanation of language structures and verb tenses is gained. The language learning is intensified with an array of cultural readings, activities, movies, and immigration studies.

### Spanish III - 1 credit – (Weighted Course)

Course #: 24054

11-12<sup>th</sup> grade

**Prerequisite B or better in Spanish II. You must pass first semester to go onto second semester.**

Students progress through thematic lessons, building upon concepts learned in previous Spanish classes. Conversational Spanish is the main outcome.

## MATH

Students must successfully complete 3 credits of math to meet graduation requirements. All students must successfully complete Algebra 1 or Algebra 1A/1B. Students going to a 4-year college or university will need to complete at minimum Algebra II.

### Algebra 1 - 1 credit

Course #: 02052

**Prerequisites: C or higher in 8th grade Math and ACT Aspire score at or above benchmark. Must pass first semester to go onto second semester.**

This course includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first-degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations. Recommend a “TI-30X II” scientific calculator.

### Algebra 1A - 1 credit

Course #: 02053

9th grade

**Prerequisite: Must pass first semester to go onto second semester.**

**(When a student successfully completes Algebra 1A and Algebra 1B they have satisfied the Algebra 1 requirement. The two courses combined count as 1 unit for college admission.)**

This course is the first part in a multipart sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory),

ratio, proportion, and estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

### **Algebra 1B - 1 credit**

Course #: 02054

***Prerequisite: successful completion of Algebra 1A. Must pass first semester to go onto second semester***

***(When a student successfully completes Algebra 1A and Algebra 1B they have satisfied the Algebra 1 requirement. The two courses combined count as 1 unit for college admission.)***

The second part in a multipart sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first-degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving simple quadratics.

### **Geometry - 1 credit**

Course #: 02072

***(Must pass first semester to go onto second semester.)***

Geometry courses include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs, concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles. Recommend a "TI-30X II" scientific calculator.

### **Algebra II - 1 credit**

Course #: 02056

***(Prerequisites- successful completion of Algebra 1 or Algebra 1B. Must pass first semester to go onto second semester.)***

This course includes operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher-degree equations; and operations with rational and irrational exponents. A TI-83+ or TI-84 graphing calculator is recommended but not required.

### **Pre-Calculus - 1 credit - (Weighted Class)**

Course #: 02110

***(Prerequisites: "C" or above in Algebra II. Must pass first semester to go onto second semester.)***

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Mathematical Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, graphs; trigonometric identities and equations; solutions of right and oblique triangles; conic sections; matrix algebra; sequences and series; and limits and continuity. A TI-83+ or TI-84 graphing calculator is required.

### **Calculus - 1 credit – (Weighted Course)**

Course #: 02121

***(Prerequisites: "C" or above passing grade in Pre-Calculus. Must pass first semester to go onto second semester.)***

Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combinations of trigonometry, elementary functions, analytic geometry and mathematical analysis. A TI-83+ or TI-84 graphing calculator is required.

### **Statistics - .5 credit – (Weighted Course)**

Course #: 02201

**(Prerequisites: Successful completion of Algebra 2)**

This course is a practical hands-on approach to the study of statistics and probability. The topics include the use of graphs such as histograms, stem plots, time plots, and scatter plots to display data, using numbers such as median, mean, and standard deviation to describe data, and evaluating data distribution. Students examine relationships using correlations and least square regressions. They calculate the probability of simple and compound events. They learn to estimate with confidence as well as to explore tests of significance, and to evaluate the validity of statistics contained within published reports.

## **PHYSICAL EDUCATION/HEALTH**

Students must successfully complete ½ of credit of PE and ½ credit of Health to meet graduation requirements.

### **Individual Sports - .5 credit**

Course #: 08001

**9th grade - Required**

This course provides students with knowledge, experience and an opportunity of developing skills in more than one of the following sport or activity: dual or individual sports, recreation sport and fitness. Examples are badminton, tennis and pickleball.

### **Health - .5 credit**

Course #: 08051

**9th grade - Required**

Topics covered in health education includes mental health, social health, decision making, physical fitness, preventing disease and substance abuse.

### **Team Sports - .5 credit**

Course #: 08002

*10-12th grade*

This course provides students with knowledge, experience and an opportunity to develop skills in more than one of the following sports or activities. Examples: volleyball, basketball, soccer and floor hockey.

## **RELIGIOUS STUDIES**

Students must take 8 religion courses. The following courses are required during 9<sup>th</sup> & 10<sup>th</sup> grade: Revelation of Jesus Christ in Scripture, Who is Jesus, The Mission of Jesus Christ, Jesus Christ's Mission in the Church. Sacraments and Life of Jesus Christ are required courses that must be completed in the 11<sup>th</sup> or 12<sup>th</sup> grade year. The final 2 credits are elective credits and they can be taken during 11<sup>th</sup> or 12<sup>th</sup> grade.

### **Revelation of Jesus Christ in Scripture - .5 credit**

Course #: 07007

**Required 9th grade**

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through study of the Bible, students will encounter the living Word of God, Jesus Christ. Learning about the Bible, authored by God's Inspiration and its value to people throughout the world. Skills based learning in how to read the Bible, becoming familiar with major sections and books completed in each section are integral parts of this course.

### **Who is Jesus Christ? - .5 credit**

Course #: 07010

#### ***Required 9th grade***

This course introduces students to the mystery of Jesus Christ, the Living Word of God, the Second Person of the Blessed Trinity. Student will come to understand that Jesus Christ is the Ultimate Revelation to us from God. Learning about who God is will assist students to learn who He calls them to be.

### **The Mission of Jesus Christ (The Paschal Mystery) - .5 credit**

Course #: 07009

#### ***Required 10th grade***

Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with Him. It is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. Students will be introduced to the concept of life as a disciple of Christ and its implications throughout life.

### **Jesus Christ's Mission in the Church - .5 credit**

Course #: 07001

#### ***Required 10th grade***

Students will understand that in and through the Church they encounter the living Jesus Christ. Additionally, students will learn that the Church was founded by Christ through the Apostles and sustained by Him through the Holy Spirit. The Church is the living body of Christ today, with divine and human elements. Students will focus on the sacred nature of the church.

### **Sacraments as Privileged Encounters with Jesus Christ - .5 credit**

Course #: 07011

#### ***Required course 11th or 12th grade***

This course helps students understand that today they can encounter Christ in a full and real way through the sacraments. Students will examine each of the sacraments in detail, focusing on how they may encounter Christ throughout every stage of life, especially in the Eucharist.

### **Life in Jesus Christ (Morality) - .5 credit**

Course #: 07013

#### ***Required course 11<sup>th</sup> or 12<sup>th</sup> grade***

Students will come to understand that only through Christ can they fully live out God's plan for their lives. Students will explore moral concepts and precepts that govern the lives of Christ's disciples.

### **Sacred Scripture - .5 credit**

Course #: 07005

#### ***11<sup>th</sup> or 12<sup>th</sup> grade elective***

The purpose of this course is to give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. Every effort will be made to project a sense of the unity of the narrative for the divine plan of salvation, the presence of God's action in this record of his Revelation and his desire to share his merciful love with us. Integrating catechesis and Scripture will be key to this course.

### **Responding to the Call of Jesus Christ - .5 credit**

Course #: 07015

#### ***11<sup>th</sup> or 12<sup>th</sup> grade elective***

The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy is present today in the Church's social teaching and mission.



### **Catholic Disciple - .5 credit**

Course #: 07014

*11<sup>th</sup> or 12<sup>th</sup> grade elective*

Students will develop a deep understanding of the development of the Church as we know it today. Literature, philosophy, history and tradition will be components of this engaging course. Students will experience a constructive dialogue of the faith and understanding and interpretation of Catholic literature while exploring Catholic history.

**\*\*\* Theology of the Body(sexuality) & Philosophy will be added each semester throughout the student's academic career at RJH/RHS.**

## **SCIENCE**

Students must successfully complete 3 years of science to meet graduation requirements. Physical Science and Biology are required. If you are planning on attending a 4-year college or university, you will need chemistry or physics and possibly both depending on the institution.

### **Physical Science – 1 credit**

Course #: 03159

**9<sup>th</sup> grade (Required)**

Physical Science is the study of matter and energy. The first semester will focus on basic physics concepts while the second semester will focus on basic chemistry concepts. Students will develop the abilities and understandings necessary to do scientific inquiry through participation in hands-on labs and activities.

### **Biology – 1 credit**

Course #: 03051

**10<sup>th</sup> grade (Required)**

Biology is a year-long lab science course in which students study the diversity of life forms in depth while revealing their relationships and fundamental unity in form and function. Topics covered include ecology, cellular biology, genetics, classification and the kingdoms.

### **Chemistry – 1 credit**

Course #: 03101

*10-12<sup>th</sup> grades*

**(Prerequisite: Successful completion of Algebra 1, Physical Science and with Teacher Discretion/Approval. Must pass 1<sup>st</sup> semester to take 2<sup>nd</sup> semester.)**

This Chemistry course is organized around a central theme: the properties of matter are a consequence of its structure. Therefore, before beginning a detailed study of structure, it is necessary to establish a working chemistry vocabulary. Students will be given the solid foundation needed to understand the expanding role of chemistry in modern society and the skills to excel in future courses in science.

The students will gain a basic understanding of atomic theory and structure, nomenclature, stoichiometry, periodic trends, states of matter and compound and molecule formation. The students will also gain a basic understanding of systems in aqueous solution, including reaction rates, equilibrium, acids, bases, salts and oxidation-reduction.

### **Physics – 1 credit – (Weighted Course)**

Course #: 03151

11-12 grades

**(Prerequisite: Successful completion of Algebra II, Physical Science and with teacher discretion)**

Physics is an advanced level science class. The physics curriculum includes interactions of matter and energy, velocity, accelerations, force, energy, momentum and charge. The students will also explore waves and light, reflection and refraction as well as the principles of electricity and magnetism. Students will be challenged to apply their knowledge of the laws of physics to solve physics related critical thinking problems.

### **Human Anatomy and Physiology – 1 credit**

Course #: 03053

11-12<sup>th</sup> grades

**(Prerequisite: Successful completion of Biology and Physical Science with Teacher Discretion)**

This year-long class will emphasize the interrelatedness and interdependence of the organ systems in maintaining homeostasis of the human body. This requires a large amount of retention and memorization. The course does preview medical terminology, disorders and careers associated with anatomy and physiology.

### **Environmental Science – 1 credit**

Course #: 03003

11-12<sup>th</sup> grade

**(Prerequisite: Successful completion of Biology and Physical Science with Teacher Discretion)**

Environmental Science will investigate the environment and environmental issues. Emphasis will be spent on how we affect the environment and what we can do to help the environment.

**\*Students enrolled in a science course at Roncalli are required to participate in the annual science fair.**

## **SOCIAL STUDIES**

Students must successfully complete 3 credits of social studies to graduate. World Geography, World History, US History and American Government are all required courses.

### **World Geography- .5 credit**

Course #: 04001

**9<sup>th</sup> grade - required**

This one-semester course will introduce students to the terrain, climate, and cultures of civilizations around the world today. Students in this class will focus on topics ranging from geographical principles (latitude and longitude) to the social and political aspects of countries around the globe.

### **World History - .5 credit**

Course #: 04051

**9<sup>th</sup> grade - required**

This course studies the world's western and non-western civilizations from the era of Mongol domination to the present day. Through close examination, the students will be able to tie historical events to those of our common era. Focus will be on the six major areas of civilization: Economy, Politics, Social, Technology and Innovation, Art and Architecture, and Religion.

### **United States History - 1 credit**

Course #: 04101

**10<sup>th</sup> grade - required**

This required course provides coverage of United States History from Reconstruction through the twentieth century. To accomplish this students, will explore the following eras of United States History: Reconstruction, The Gilded Age, The Progressive Era, World War 1, The Roaring 20's, The Great Depression and Dust Bowl,

World War 2, The Cold War (including The Korean War and Vietnam), the Civil Rights movement, The 1980's the 1990's, and concludes with 9-11 and the War on Terror.

### **United States American Government - .5 credit**

Course #: 04151

#### ***12th grade - required***

This required course is a survey of American Government. It covers a variety of topics from its origins through modern interpretation. Included in this course are units on the principles of American Government, the role of the American voter, and the Constitution. Students will gain an understanding of the roles the executive, legislative, and judicial branches play in our American Government; similarly, in state and local politics.

### **Contemporary U.S. Issues - .5 credit**

Course #: 04106

*9-12th grade*

Students will study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. The course will focus on current issues and may examine selected issues that span throughout the 20th century to the present.

### **History of the 2000's - .5 credit**

Course #: 04103

*11<sup>th</sup> or 12<sup>th</sup> grade*

#### ***(Prerequisite: Successful completion of U.S. History)***

This course takes an in depth look at the first two decades of the 2000's. Topics could include presidential elections, the Bush, Obama, and Trump administrations, 9-11, the Iraq and Afghanistan Wars, international relations, the economic crisis of 2009, among others.

### **US Wars and Military Conflicts - .5 credits**

Course #: 04110

*9-12th grade*

This course focuses on the study of the wars and major military conflicts in which the United States had a significant role. This course concentrates on one of many conflicts in which the United States had a significant role. This course concentrates on one of many topics related to war, including causes; U.S. involvement; and social, political, and economic effects. Specific wars may include the Revolutionary War, American Civil War, World War 1, World War II, Korean War, Vietnam War, Gulf War, or other contemporary military conflicts.

## **CTE Courses**

Roncalli offers foundational CTE courses as well as courses in business and through the STREAMLab. The foundational courses cover all career clusters. The courses in business and the STREAMLab cover 1 or more pathways. Please see the chart at the end of the course descriptions for more information on how each course applies to the clusters.

### ***Foundational Courses***

#### **Leadership and Service – .5 credit**

Course #: 22101

*(Not offered every year)*

*9-12 grade*

This course will help any student improve their leadership skills. Students will be able to identify leadership characteristics, practice teamwork, and improve their use of soft skills while in the workplace or in environments which strengthen the community.

### **Career Exploration - .5 credit**

Course #: 22151

*(Not offered every year)*

9-12 grade

Career Exploration is a course that helps students identify their skills and interests while also providing direction towards possible career choices within the sixteen career clusters. This course will help students develop career learning plans through a variety of hands-on activities.

### **Entrepreneurship - .5 credit**

Course #: 12053

9-12 grade

*This is a foundation course that goes with all 16 career clusters. Entrepreneurship education prepares students to carry out the entrepreneurial process and experience the entrepreneurial spirit. Developing an innovative idea is one of the first steps of a successful business.*

### **Internship - .5 or 1 credit**

Course #: 80010

12<sup>th</sup> grade

Students may take internship for 1 semester or 2 semesters. Youth internship allows students to gain authentic, real-world experience in business and industry. Students' interests, strengths, and chosen career clusters/pathways determine student internship experience(s). Students will be required to keep a weekly time sheet and reflection journal.

## **BUSINESS**

### **Accounting I – 1 credit**

Course #: 12104

10-12 grade

Accounting is the language of business and an integral aspect of all business activities. Accounting I introduces concepts and principles based on a double entry system of maintaining financial records for a sole proprietorship, partnership, and corporation. It includes analyzing business transactions, journalizing, posting, and preparing worksheets and financial statements. Technology will be incorporated as an essential tool where resources are available. In second semester, a computerized simulation will be done by all students and simple tax forms will be studied.

### **Personal Finance - .5 credit**

Course #: 19262

**11 or 12 grade - Required.**

This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence. Students will learn about budgeting, taxes, buying vs leasing and investing.

### **Introduction to Business - .5 credit**

Course #: 12051

9-12<sup>th</sup> grade

In this course, students will be introduced to numerous business and management strategies in the areas of Marketing, Human Resources, and Finances. We will also explore different types and sizes of businesses. This class will be an introduction to business ownership, principles of marketing, promotions, business ethics and business technology. Students should be prepared for an interactive class that will include hands-on activities and group discussions. Students will give presentations with the use of technology as well as receive firsthand experience by shooting and editing their own commercials.

### **Business Law - .5 credit**

Course #: 12054

11-12<sup>th</sup> grade

This course is designed to introduce the student to the study of law through a brief look at how law developed, the legal system in the United States, the functions of the federal and state court systems, and civil and criminal law. Additional topics include computer law, financial crimes, legal careers, international law, discrimination, contracts and business organization. This course will help students become aware of their rights and responsibilities under the laws so they can function as responsible citizens in their personal and professional lives.

### ***STREAM***

#### **STREAMLAB – 1 Credit (NOT a CTE course yet)**

Course #: 21051

9-12 grade – Can be taken multiple years.

Technology is a significant part of society. Most careers call for some type of technology skills, knowledge, and abilities. STREAMLab education brings deeper meaning to core content concepts while introducing students to various technologies, technical skills, critical thinking processes, and hands-on experiences. Students will increase their technological literacy, problem solving, and creative/critical thinking skills while experiencing the different modules with the STREAMLab. Within this course the following topics of study will be addressed: robotics, circuitry, engineering, computer programming, multimedia, photo and video editing, virtual reality and the use of drones.

#### **Multimedia Design – .5 Credit**

Course #: 10203

9-12 grade

Multimedia design gives students experience and knowledge in all forms of mixed media and content. Multimedia presentations combine text, graphics, animation, images and sound from a wide range of media, such as films, newspapers, magazines, online information, television, videos, streaming and electronic media-generated images. Students will learn how to select the appropriate medium for each element of the presentation and gauge the needs of clients and the intended audience. In addition to their general academic and technical knowledge and skills, students gain an understanding of career opportunities available in technology and what employers require to gain and maintain employment in these careers.

#### **Computer Programming I - .5 credit**

Course #: 10152

9-12 grade

Computer Programming I introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce concepts and problem-solving skills through programmable language such as C, C++, C#, Java, Python, or JavaScript.

### **Computer Programming II - .5 credit**

Course #: 10152

9-12 grade

Computer Programming II reviews and builds upon the concepts and skills introduced in Computer Programming I and introduces students to more complex data structures. Topics include sequential files, arrays, and classes.

### **Robotics - .5 credit**

Course #: 21009

10-12 grade

This class provides an opportunity for students to further explore robotics. The course will emphasize the design, building, operation, application, and documentation of robotic systems. Students follow the engineering design process, apply basic programming skills, and explore how robots and automated systems are used in industry. Students gain an understanding of the historical and current uses of robots and automated systems; programmable circuits, interfacing both inputs and outputs; proficient ethical standards of engineering and technology professions; and testing of robots and drones.

### **Senior STREAM: - .5 or 1 credit**

Course#: 80019

12<sup>th</sup> Grade

**Prerequisite: must have successfully completed 2 full years of STREAMLab.**

This class provides the opportunity to choose and focus on one major STREAMLab engagement for the semester or the year. It may involve job shadowing, community involvement, fundraising, real-world application and training others while students develop project management skills. Students are encouraged to fill a need in our community and leave a legacy.

**\*Other CTE Opportunities are available through Aberdeen Public at the A-Tec building. To review current course descriptions, go to:**

<https://www.aberdeen.k12.sd.us/o/chs/page/a-tec-academy> and choose course offerings.

### **CTE Course Titles from Central High School**

- Fundamental Animal Science: 1 quarter .5 credit
- Advanced Animal Science: 1 quarter .5 credit: *Prerequisite: Successful completion of Fundamental Animal Science*
- Companion Animals: 1 quarter .5 credit
- Wildlife & Fisheries: 1 quarter .5 credit
- Food Science: 1 quarter .5 credit
- Automotive Technology: 1 Year 2 credits (*It cannot be taken at the same time as Intro to Automotive Systems*)
- Intro to Auto Body: 1 quarter .5 credit
- Intro to Vehicle Systems & Maintenance: 1 quarter .5 credit (*It cannot be taken at the same time as Automotive Technology*)
- Intro to Diesel Technology: 1 quarter .5 credit
- Honors Accounting 2: 1 semester 1 credit *Prerequisite Accounting 1*
- Sports & Entertainment Marketing: 1 quarter .5 credit
- Network Technology: 1 quarter .5 credit
- App Programming: 1 quarter .5 credit
- Web Page Design: 1 quarter .5 credit
- Intro to Building Trades: 1 semester 1 credit
- Residential Construction: 1 year 2 credits
- Food Concepts: 1 quarter .5 credit
- Advanced Food Concepts: 1 quarter .5 credit *Prerequisite- Food Concepts*
- Culinary Arts 1: 1 Semester 1 credit *Prerequisite Advanced Food Concepts*
- Culinary Arts 2: 1 Semester 1 credit *Prerequisite Culinary Arts 1*
- Child Development Prenatal to Toddler: 1 quarter .5 credits
- Child Development Preschool to School-Age: 1 quarter .5 credits (*Prenatal to Toddler is recommended*)
- Resources and Services for Life: 1 quarter .5 credit
- Relationships Across the Lifespan: 1 quarter .5 credit
- Intro to Education & Training: 1 quarter .5 credit
- Fashion Design: 1 quarter .5 credit
- Interior Design: 1 quarter .5 credit
- Health Science Careers 1: 1 semester 1 credit
- Health Science Careers 2: 1 semester 1 credit *Prerequisite: Health Science Careers 1*
- Medical Terminology: 1 semester 1 credit
- Intro to Sports Medicine & Athletic Training: 1 quarter .5 credit
- Machine Tool Technology 1: 1 year 2 credits
- Machine Tool Technology 2: 1 Year 2 credits: *Prerequisite Machine Tool 1*
- Welding Technology 1: 1 quarter .5 credit
- Welding Technology 2: 1 quarter .5 credit: *Prerequisite Welding 1 w/inst permission*
- PLTW Intro to Engineering Design: 1 semester 1 credit: *Prerequisite Algebra 1*
- PLTW H Principles of Engineering: 1 semester 1 credit: *Prerequisite Algebra 1*

**The graphic on the following pages lays out the Career Clusters and Pathways with course offerings and locations**

## CAREER CLUSTERS

### AGRICULTURE, FOOD & NATURAL RESOURCES

**CAREER PATHWAYS:**

Agribusiness Systems  
 Animal Systems  
 Environmental Science Systems  
 Food Products & Processing  
 Natural Resources Systems  
 Plant Systems  
 Power, Structural & Technical Systems

**Courses Offered @ RHS Under This Cluster:**

- Career Exploration
- Leadership & Service
- Internship
- Environmental Science
- Entrepreneurship
- Senior STREAM

**Courses Offered @ A-Tec:**

- Fundamental of Animal Science
- Advanced Animal Science
- Companion Animals
- Wildlife & Fisheries
- Food Science

### ARTS, A/V TECHNOLOGY & COMMUNICATIONS

**CAREER PATHWAYS:**

A/V Technology & Film  
 Journalism & Broadcasting  
 Performing Arts  
 Printing Technology  
 Telecommunications  
 Visual Arts

**Courses Offered @ RHS Under This Cluster:**

- Career Exploration
- Leadership & Service
- Internship
- Entrepreneurship
- Multimedia Design
- Senior STREAM

**Courses Offered @ A-Tec:**

- Web Page Design
- Fashion Design
- Interior Design

### ARCHITECTURE & CONSTRUCTION

**CAREER PATHWAYS:**

Design/Pre-Construction  
 Construction  
 Maintenance/Operations

**Courses Offered @ RHS Under This Cluster:**

- Career Exploration
- Leadership & Service
- Internship
- Entrepreneurship
- Senior STREAM

**Courses Offered @ A-Tec:**

- Intro to Building Trades
- Residential Construction

### BUSINESS MANAGEMENT & ADMINISTRATION

**CAREER PATHWAYS:**

Administrative Support  
 Business Information Management  
 General Management  
 Human Resources Management  
 Operations Management

**Courses Offered @ RHS Under This Cluster:**

- Career Exploration & Leadership & Service
- Internship
- Business Law
- Accounting
- Personal Finance
- Intro to Business
- Entrepreneurship

**Courses Offered @ A-Tec:**

- Honors Accounting 2



## EDUCATION & TRAINING

### **CAREER PATHWAYS:**

Administration & Administration Support  
Professional Support Services  
Teaching/Training

### **Courses Offered @ RHS Under This Cluster:**

- Career Exploration
- Leadership & Service
- Internship
- Entrepreneurship

### **Courses Offered @ A-Tec:**

- Child Development – Prenatal/Toddler
- Child Development -Preschool/School Age
- Intro to Education & Training

## GOVERNMENT & PUBLIC ADMINISTRATION

### **CAREER PATHWAYS:**

Foreign Service  
Governance  
National Security  
Planning  
Public Management & Administration  
Regulation  
Revenue & Taxation

### **Courses Offered @ RHS Under This Cluster:**

- Career Exploration
- Leadership & Service
- Internship
- Business Law
- Accounting
- Entrepreneurship

## FINANCE

### **CAREER PATHWAYS:**

Accounting  
Banking Services  
Business Finance  
Insurance  
Securities & Investments

### **Courses Offered @ RHS Under This Cluster:**

- Career Exploration
- Leadership & Service
- Internship
- Intro to Business
- Personal Finance
- Business Law
- Accounting
- Entrepreneurship

### **Courses Offered @ A-Tec:**

- Honors Accounting 2

## HEALTH SCIENCE

### **CAREER PATHWAYS:**

Diagnostic Services  
Health Informatics  
Biotechnology Research & Development  
Support Services  
Therapeutic Services

### **Courses Offered @ RHS Under This Cluster:**

- Career Exploration
- Leadership & Service
- Internship
- Entrepreneurship

### **Courses Offered @ A-Tec:**

- Health Science Careers 1
- Health Science Careers 2
- Intro to Sports Medicine & Athletic Training

## HOSPITALITY & TOURISM

### **CAREER PATHWAYS:**

Lodging  
Recreation, Amusements & Attractions  
Restaurants & Food/Beverage Services  
Travel & Tourism

#### **Courses Offered @ RHS Under This Cluster:**

- Career Exploration
- Leadership & Service
- Internship
- Entrepreneurship

#### **Courses Offered at A-Tec:**

- Food Concepts
- Advanced Food Concepts
- Culinary Arts Pro Start I
- Culinary Arts Pro Start II

## INFORMATION TECHNOLOGY

### **CAREER PATHWAYS:**

Information Support & Services  
Network Systems  
Programming & Software Development  
Web & Digital Communications

#### **Courses Offered @ RHS Under This Cluster:**

- Career Exploration
- Leadership & Service
- Internship
- STREAMLab
- Computer Programming I & II
- Entrepreneurship

#### **Courses Offered @ A-Tec:**

- App Programming
- Network Technology

## HUMAN SERVICES

### **CAREER PATHWAYS:**

Consumer Services  
Counseling & Mental Health Services  
Early Childhood Development & Services  
Family & Community Services  
Personal Care Services

#### **Courses Offered @ RHS Under This Cluster:**

- Career Exploration
- Leadership & Service
- Internship
- Business Law
- Personal Finance
- Accounting
- Entrepreneurship

#### **Courses Offered @ A-Tec:**

- Child Development—Prenatal/Toddler
- Child Development—Preschool/School Age
- Relationships Across the Lifespan
- Resources & Services for Life
- Food Concepts
- Advanced Food Concepts

## LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

### **CAREER PATHWAYS:**

Correction Services  
Emergency & Fire Management Services  
Law Enforcement Services  
Legal Services  
Security & Protective Services

#### **Courses Offered @ RHS Under This Cluster:**

- Career Exploration
- Leadership & Service
- Internship
- Entrepreneurship

<p style="text-align: center;"><b>MANUFACTURING</b></p> <p style="text-align: center;"><b>CAREER PATHWAYS:</b></p> <p style="text-align: center;">Health, Safety &amp; Environmental Assurance Logistics &amp; Inventory Control Maintenance, Installation &amp; Repair Manufacturing Production Process Development Quality Assurance</p> <p><b>Courses Offered @ RHS Under This Cluster:</b></p> <ul style="list-style-type: none"> <li>● Career Exploration</li> <li>● Leadership &amp; Service</li> <li>● Internship</li> <li>● Entrepreneurship</li> </ul> <p><b>Courses Offered @ A-Tec:</b></p> <ul style="list-style-type: none"> <li>▪ Machine Tool Technology 1</li> <li>▪ Machine Tool Technology 2</li> <li>▪ Welding Technology 1</li> <li>▪ Welding Technology 2</li> </ul>	<p style="text-align: center;"><b>SCIENCE, TECHNOLOGY, ENGINEERING &amp; MATH (STEM)</b></p> <p style="text-align: center;"><b>CAREER PATHWAYS:</b></p> <p style="text-align: center;">Engineering &amp; Technology Science &amp; Mathematics</p> <p><b>Courses Offered @ RHS Under This Cluster:</b></p> <ul style="list-style-type: none"> <li>● Career Exploration</li> <li>● Leadership &amp; Service</li> <li>● Internship</li> <li>● STREAMLab</li> <li>● Computer Programming I &amp; II</li> <li>● Robotics</li> <li>● Entrepreneurship</li> <li>● Senior STREAM</li> </ul> <p><b>Courses Offered @ A-Tec:</b></p> <ul style="list-style-type: none"> <li>▪ PLTW H Intro to Engineering Design</li> <li>▪ PLTW H Principles of Engineering</li> </ul>
<p style="text-align: center;"><b>MARKETING</b></p> <p style="text-align: center;"><b>CAREER PATHWAYS:</b></p> <p style="text-align: center;">Market Research Marketing Management Marketing Communications Merchandising Professional Sales</p> <p><b>Courses Offered @ RHS Under This Cluster:</b></p> <ul style="list-style-type: none"> <li>● Career Exploration</li> <li>● Leadership &amp; Service</li> <li>● Internship</li> <li>● Entrepreneurship</li> </ul> <p><b>Courses Offered at A-Tec:</b></p> <ul style="list-style-type: none"> <li>▪ Web Page Design</li> </ul>	<p style="text-align: center;"><b>TRANSPORTATION, DISTRIBUTION &amp; LOGISTICS</b></p> <p style="text-align: center;"><b>CAREER PATHWAYS:</b></p> <p style="text-align: center;">Facility &amp; Mobile Equipment Maintenance Health, Safety &amp; Environmental Management Logistics, Planning &amp; Management Services Sales &amp; Service Transportation Operations Transportation Systems/Infrastructure Planning, Management &amp; Regulation</p> <p><b>Courses Offered @ RHS Under This Cluster:</b></p> <ul style="list-style-type: none"> <li>● Career Exploration</li> <li>● Leadership &amp; Service</li> <li>● Internship</li> <li>● STREAMLab</li> <li>● Entrepreneurship</li> </ul> <p><b>Courses Offered @ A-Tec:</b></p> <ul style="list-style-type: none"> <li>▪ Automotive Technology</li> <li>▪ Intro to Vehicle Systems &amp; Maintenance</li> <li>▪ Intro to Auto Body</li> <li>▪ Intro to Diesel Technology</li> </ul>

**Roncalli 4-Year Learning Plan/Registration Sheet**

		CR.		CR.		CR.	Total	Required					
9th Grade			10th Grade		11th Grade		12th Grade		Base	Adv Career	Adv Endors	Adv Honors	
English	English 9 Speech	0.5 0.5	English 10	1.0	American Lit/Comp	1.0		3.0	4: English 9/Speech, English 10, Am Lit/Comp, + elective			4: must have additional writing and English elect	
Math								0.0	3: Must have Algebra 1 or 1A& 1B		3: Alg 1 or 1A&1B, Geom & Algebra 2	4: Alg 1, Geo, Alge 2 and Advanced Math	
Science	Physical Science	1.0	Biology	1.0				2.0	3: Physical Sc, Biol +1		3: Phy Sci, Bio, Chem or Physics	4: Phy Sci, Bio, Chem or Physics +1	
Social Studies	World History Geography	0.5 0.5	US History	1.0		American Gov	0.5	2.5	3: Geography, World History, US History, Am Government + .5				
Religion	Rev Jesus Who is Jesus	0.5 0.5	Mission of Jesus	0.5				2.0	4: Rev of Jesus/Who is Jesus, Mission of Jesus/Jesus Mission Continues, Sacraments/Life of Jesus+electives				
Fine Art								0.0	1: Band, Choir, or an Visual Arts fulfills this requirement				
PE/Health	PE Health	0.5 0.5						1.0	1: 9th Grade PE/Health				
CTE								0.0	1 CTE or Foreign Lang	2+ Approved CTE or Capstone/Internship	1 CTE or Foreign Lang	2 CTE or Foreign Lang	
Foreign Language								0.0		xx			
Personal Finance						Personal Finance	0.5	0.5	0.5				
Electives								0.0	6.5	5.5	6.5	3.5	
TOTAL YEARLY CREDITS	FRESHMAN (7)	5.0	SOPHOMORE (7)	4.0	JUNIOR(7)	1.0	SENIOR (6) (4 Must be from Roncalli)	1.0	11.0	27	27	27	27
Student Name:													
Student Grade:								Career Area Interested in:					
Diploma Option:								Parent Signature:					

# ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to play sports at an NCAA Division I or II school, start by registering for a Certification account with the NCAA Eligibility Center at [eligibilitycenter.org](http://eligibilitycenter.org). If you want to play Division III sports or you aren't sure where you want to compete, start by creating a Profile Page account at [eligibilitycenter.org](http://eligibilitycenter.org).

## ACADEMIC REQUIREMENTS

To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an SAT or ACT score that matches your core-course GPA.

## CORE COURSES

Only courses that appear on your high school's list of NCAA core courses will count toward the 16 core-course requirement; visit [eligibilitycenter.org/courselist](http://eligibilitycenter.org/courselist) for a full list of your high school's approved core courses. Complete 16 core courses in the following areas:

### DIVISION I

Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

<b>ENGLISH</b>	<b>MATH</b> (Algebra I or higher)	<b>NATURAL/ PHYSICAL SCIENCE</b> (Including one year of lab, if offered)	<b>ADDITIONAL</b> (English, math or natural/physical science)	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL COURSES</b> (Any area listed to the left, foreign language or comparative religion/philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

### DIVISION II

<b>ENGLISH</b>	<b>MATH</b> (Algebra I or higher)	<b>NATURAL/ PHYSICAL SCIENCE</b> (Including one year of lab, if offered)	<b>ADDITIONAL</b> (English, math or natural/physical science)	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL COURSES</b> (Any area listed to the left, foreign language or comparative religion/philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

## GRADE-POINT AVERAGE

The NCAA Eligibility Center calculates your **grade-point average** based only on the grades you earn in NCAA-approved core courses.

- DI requires a minimum 2.3 GPA.
- DII requires a minimum 2.2 GPA.

## SLIDING SCALE

Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about sliding scales at [ncaa.org/test-scores](http://ncaa.org/test-scores).

## TEST SCORES

You may take the SAT or ACT an unlimited number of times before you enroll full time in college. Every time you register for the SAT or ACT, use the NCAA Eligibility Center code **9999** to send your scores directly to us from the testing agency. We accept official scores only from the SAT or ACT, and cannot use scores shown on your high school transcript. If you take either test more than once, the best subscore from different tests are used to give you the best possible score. More information regarding the impact of COVID-19 and test scores can be found at [on.ncaa.com/COVID19\\_Fall\\_B](http://on.ncaa.com/COVID19_Fall_B).



# HIGH SCHOOL TIMELINE

## 9<sup>TH</sup> GRADE



• *Start planning now!* Take the right courses and earn the best grades possible.

- Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](http://eligibilitycenter.org/courselist).
- Sign up for a free Profile Page account at [eligibilitycenter.org](http://eligibilitycenter.org) for information on NCAA requirements.

## 10<sup>TH</sup> GRADE

REGISTER



• If you fall behind academically, ask your counselor for help finding approved courses you can take.

- Register for a Profile Page or Certification account with the NCAA Eligibility Center at [eligibilitycenter.org](http://eligibilitycenter.org).
- Monitor your Eligibility Center account for next steps.
- At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your Eligibility Center account.

## 11<sup>TH</sup> GRADE



• Check with your counselor to make sure you are on track to complete the required number of NCAA-approved courses and graduate on time with your class.

- Take the SAT/ACT and submit your scores to the NCAA Eligibility Center using code **9999**.
- Ensure your sports participation information is correct in your Eligibility Center account.
- At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your Eligibility Center account.

## 12<sup>TH</sup> GRADE



• Complete your final NCAA-approved core courses as you prepare for graduation.

- Take the SAT/ACT again, if necessary, and submit your scores to the NCAA Eligibility Center using code **9999**.
- Request your final amateurism certification beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at [eligibilitycenter.org](http://eligibilitycenter.org).
- After you graduate, ask your counselor to upload your final official transcript with proof of graduation to your Eligibility Center account.
- *Reminder:* Only students on an NCAA Division I or II school's institutional request list will receive a certification.

How to plan your high school courses to meet the 16 core-course requirement:

$$4 \times 4 = 16$$

**9<sup>TH</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science and/or additional

**4 CORE COURSES**

**10<sup>TH</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science and/or additional

**4 CORE COURSES**

**11<sup>TH</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science and/or additional

**4 CORE COURSES**

**12<sup>TH</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science and/or additional

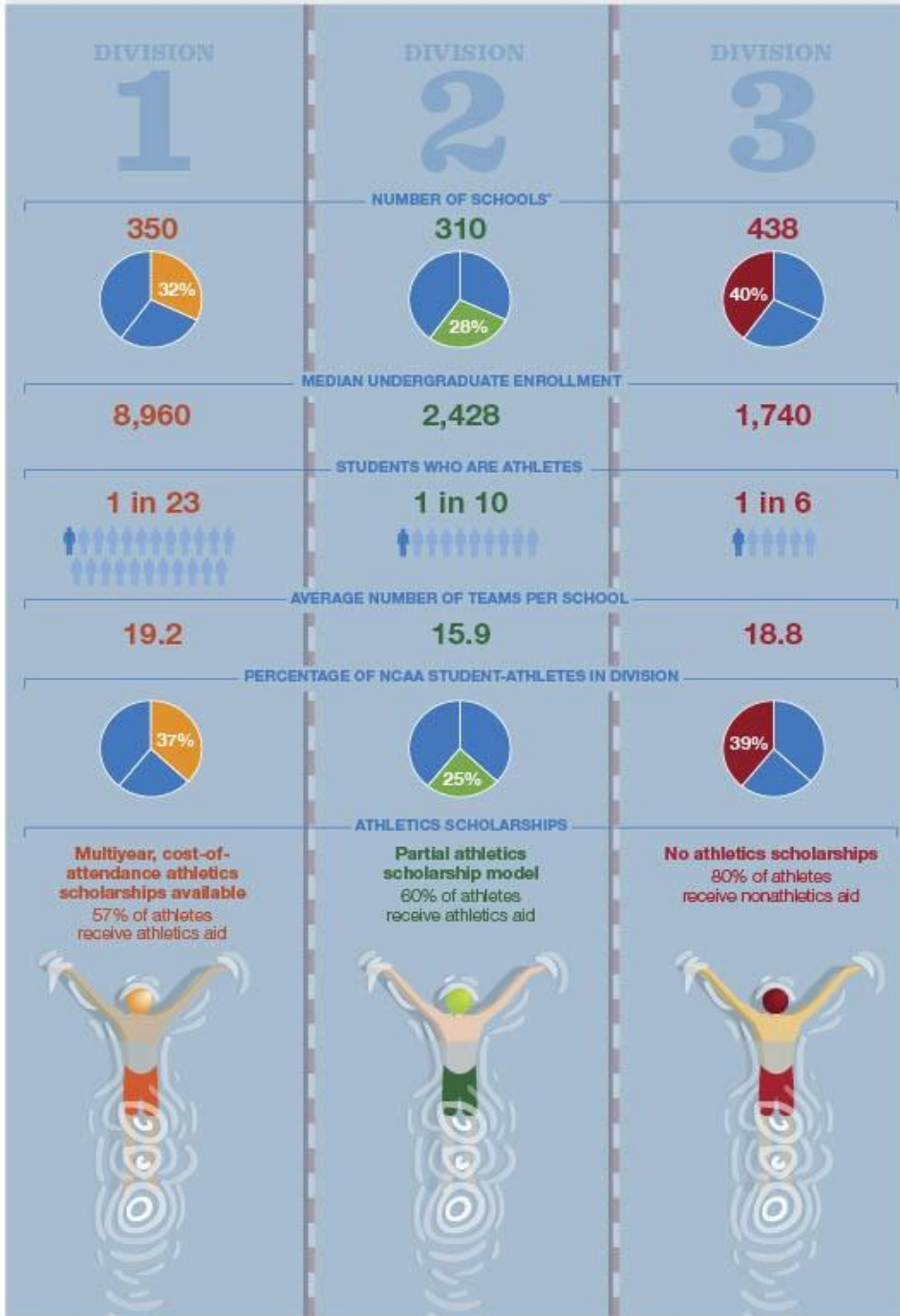
**4 CORE COURSES**

Search Frequently Asked Questions: [ncaa.org/studentfaq](http://ncaa.org/studentfaq)

Follow us: @ncaaec @playcollegesports @ncaaec

# Our Three Divisions

The NCAA's three divisions were created in 1973 to align like-minded campuses in the areas of philosophy, competition and opportunity.



## What are the eligibility requirements in each division?

College-bound students who want to compete at a Division I or Division II school must meet standards set by NCAA members. For Division III, athletes must meet the admissions standards set by the school. Eligibility standards can be found at [eligibilitycenter.org](http://eligibilitycenter.org).

## How is each division governed?

NCAA schools develop and approve legislation for their own divisions. Groups of presidents and chancellors lead each division in the form of committees with regularly scheduled meetings.

## Did you know?



DI student-athletes graduate at a higher rate than the general student body.

DII is the only division with schools in Alaska, Puerto Rico and Canada.



DIII's largest school has 25,725 undergraduates. The smallest? 285.

Learn more at [ncaa.org/about](http://ncaa.org/about).

\*Numbers are from 2019-20. All other figures are from 2018-19.

NCAA is a trademark of the National Collegiate Athletic Association. Updated January 2020.