

2007 - 2008
Curriculum



ST. BRENDAN

CATHOLIC HIGH SCHOOL

Guide

Curriculum Program Guide
Revisions for the 2007 - 2008 School Year

| | |
|---|---------------|
| Bright Futures Scholarship | Page 6 |
| Eligibility requirements as of 2007 | |
| Champagnat Department Curriculum..... | Page 8 |
| Business Department..... | Page 14 |
| Comp Programming BASIC II | |
| Mathematics Department | Page 23-26 |
| Course changes for 2007-08 include new offerings and updated flow chart | |
| Modern Languages Department..... | Page 22 |
| French IV | New offering |
| Science Department | Page 35 |
| Introduction to Engineering | New offering |
| Social Sciences Department..... | Page 39 |
| American Mosaic, AP Economics, AP Gov. | New offerings |
| Course fees..... | by department |

Fees apply to all science, PE (uniforms), and art classes.

New: **A \$50 technology fee will be billed.**

Table of Contents

| | |
|--|---|
| Principal's Message | 1 |
| Mission Statement..... | 2 |
| Philosophy of Curriculum..... | 2 |
| Student Placement..... | 2 |
| General Scheduling Information..... | 3 |
| Graduation Requirements | 3 |
| Admissions Policies for State Universities of Florida..... | 4 |
| College Credits Programs | 4 |
| College Scholarships..... | 5 |
| Florida Bright Futures Scholarship Programs | 6 |
| Curriculum at a Glance | 7 - 8 |
| Art Department | 9 |
| Business Department..... | 13 |
| Champagnat Department | Course descriptions are found within each academic department |
| English Department..... | 16 |
| Foreign Languages Department..... | 19 |
| Mathematics Department | 23 |
| Mathematics Sequence Flowcharts..... | 26 |
| Physical Education Department..... | 29 |
| Religion Department | 31 |
| Science Department | 33 |
| Social Sciences Department..... | 37 |



ST. BRENDAN

CATHOLIC HIGH SCHOOL

Building a better world, one student at a time.

Principal's Message

Dear Students:

The purpose of this guide is to serve as a practical resource for you and your parents in making a responsible and realistic selection of courses for the coming year. Selection of courses should be a combined effort on the part of you, your parents, your guidance counselor, and your teachers.

Your classes for next year should be chosen in light of your needs, ability, interests, preferences and plans for the future. Teachers have the distinct advantage of knowing your academic ability and can describe the nature and difficulty of courses in their department. Their evaluation and opinion should be taken into consideration. Your guidance counselor can evaluate your grades and your scores on the standardized tests you have taken. They can also tell you the courses you will need for college acceptance or to prepare you for a career after high school.

You will notice that some courses have certain requirements. These are determined based on years of experience, which prove that unless a student possesses the prerequisites, he/she is likely to fail. Pre-requisites are set to assure that you can pass this course, if you have taken the previous course work.

If you are planning to continue your education after graduation, research the requirements of the college you hope to attend. Requirements set by universities play an important role in the selection of high school courses.

Do not make a quick or rash decision - but *do* remember deadlines. The choice you make now **must** be honored during the next school year. The scheduling process begins in the 3rd quarter, so that the school can best utilize resources and personnel. Many hours will be spent during the next few months designing and finalizing the master schedule to best meet student needs. Therefore, the courses you select now are the ones you will be enrolled in and are expected to keep next school year.

I continue to challenge you to grow and make this world a better place. God bless you.

Sincerely,



Brother Felix Elardo, FMS
Principal

Vision Statement

Our vision is to build a better world, one student at a time.

Mission Statement

We believe that:

- ❖ Each student is a valued individual with unique physical, social, emotional, intellectual, and spiritual needs.
- ❖ Students' learning needs are the primary focus of all decisions impacting the work of the school.
- ❖ Our students' self-esteem is enhanced by positive relationships and mutual respect among and between students and staff.
- ❖ Our school is a place that provides a strong Catholic foundation with meaningful spiritual experiences.
- ❖ Our school provides students and teachers with a safe and orderly environment for learning.
- ❖ Education is a life-long activity.
- ❖ Students learn in different ways and are provided with a variety of instructional approaches, extra-curricular activities, and athletic programs.
- ❖ Teachers, administrators, parents, and the community share the responsibility of advancing the school's mission.

With these beliefs as our foundation, our mission is to challenge students toward self-realization and to cultivate life-long learners, who will contribute to a culturally diverse society with the Catholic vision of Christian love.

Philosophy of Curriculum

Guided by our mission, Saint Brendan has designed various level courses to meet the needs of the individual student at his/her academic ability and interest. Courses are offered in four levels for most subjects. The following is as a guide to understanding the different levels.

Champagnat Program

Designed for students who have specific learning disabilities or attention-deficit hyperactivity disorder. The program consists of both an inclusive model with support, as well as self-contained classrooms for those in need of greater academic assistance. Instruction in self-contained classrooms is provided by certified special education faculty. Acceptance to the program based on prior academic progress, letters of recommendation, psychological evaluation and diagnosis, and an interview process. All students enrolled in the program must fulfill the 24 –credit graduation requirement required by the State

Standard Courses (Phase 1)

Designed for students who need to improve skills in a specific subject area. Major emphasis and direction is on fundamental concepts necessary for college.

College Prep (Phase 2)

Prepares the average college preparatory student who can assume the responsibility of working independently to some degree.

Advanced College Prep (Phase 3)

Designed for the advanced student who is capable of learning much beyond the ordinary content of a course and who assumes the responsibility of working independently.

Advanced Placement (Phase 4)

The curriculum is determined by the College Board and courses are intended for students who take the AP exams in May.

Student Placement

Student placement is an important part of Saint Brendan's program to ensure that the student's courses meet his/her educational and career needs. Students are assigned to an appropriate level of courses. Counselors, teachers, department chairpersons, the assistant principal for curriculum, and the principal make these decisions.

Freshmen are placed in the appropriate course of studies as a result of their scores on the STS Entrance Exam, the Stanford Reading and Math Diagnostic Tests, grades received from elementary / middle school, and input from department chairpersons.

Sophomores, juniors, and seniors are placed in courses as a result of personal interests and goals, educational proficiency in the subject area, and teacher recommendations. High school-level courses (must have Florida Dept. of Education number on the transcript) successfully completed by 7th or 8th grade students may be included for college admission purposes, but are not included in



the analysis of credit for graduation nor the calculation of GPA. Students will be placed in the next course in the sequence, and must pass the first quarter of the course with a C or better. If not, the student's schedule will be adjusted to repeat the previous course.

Transfer students' placement is based on grades and standardized test scores from their previous school as well as a placement test whenever possible. Placement in a particular level of a course in a given year does not limit a student's ability to change course levels the following year provided the prerequisites are met.

Course Load

Educational planning is a must for all students. A planned program of course selection will help to clarify a student's personal goals, as well as provide those basic skills necessary to continue one's education. School life and a great deal of the future depends on how well a student plans a course of studies. Therefore take time to consider career interests when deciding which courses to choose. Decisions regarding courses should be made on the basis of past record, future plans, and extra-curricular involvement. Careful consideration must be given to Saint Brendan High School graduation requirements, scholarship opportunities, admission policies of state universities, dual enrollment, and Advanced Placement (AP) credit opportunities. These decisions should only be made after consultation with parents, teachers, and the grade-level counselor.

General Scheduling Information

When building the master schedule, every effort is made to arrange class sections so that students will enroll in the courses they request. However, that is not always possible for reasons listed below.

Please keep in mind the following guidelines when selecting courses for the following school year.

1. Selection of courses is a serious process; therefore, the student should discuss the process with parents, teachers, and the grade-level guidance counselor. Consider courses with college and career goals in mind.
2. Students may not always be enrolled in the courses that they request, because of one or more of the following reasons:
 - a. students do not satisfy course prerequisites
 - b. the course section(s) is(are) filled to capacity
 - c. two courses are scheduled at the same time
 - d. there are too few requests for the class
3. Choices of **alternative course should be given the same consideration as that given for first choices.**

Graduation Requirements

A minimum of 27 credits is required for graduation from Saint Brendan High School. A cumulative un-weighted grade point average (GPA) of 2.0 on a 4.0 scale is also needed for graduation. Students are required to accumulate service hours as follows: Class of 2007 – 50 hours; Class of 2008 – 75 hours; Class of 2009 and thereafter, 100 hours. Students **must** engage in at least 25 hours of community service at each grade level.

Additionally, students must earn credits in the specific areas set forth below.

| | | | |
|--------------------------------|--------------|--------------------------|-------------|
| English | 4 credits | Personal fitness | 1.0 credit |
| Mathematics (Alg. I or higher) | 3 credits* | Life Management Skills | 0.5 credit |
| Science | 3 credits | Performing Fine Arts** | 0.5 credit |
| Social Sciences | 3.5 credits* | Practical Arts (PKbS)*** | 0.5 credit |
| Religion | 4 credits | Computer Science (PCS) | 0.5 credit |
| Foreign Language (same lang.) | 2 credits | Elective courses | 5.0 credits |

* Four credits in math and 3.5 credits in social science are required for the freshmen entering 2007-08 and thereafter.

**Performing Fine Arts (PF) - This requirement is satisfied by any one of the following: Art 2/D, Art 3/D, Ceramics/Pottery I, Chorus I, Chorus High/Low Range I, Computer Graphic Design, Dance Technique I, Debate I, Drama I, Fabrics/Fibers I, Film I, Musical Theater I, Speech I, or Television Production I

***Practical Arts/Exploratory Vocational Education (VO): This requirement is satisfied by Practical Keyboarding Skills (PKbS) required for freshmen.

Saint Brendan High School will withhold the diploma if all requirements for graduation are **not** met, including the requirement for community service. Obviously, such will inevitably delay college acceptance.



College-Bound Students

Students should begin planning for college during their freshman year by investigating individual university requirements. A student planning to attend college should follow a rigorous academic program during all four years of high school to enable making a successful transition into college life. College admission officers evaluate the following: difficulty of subjects taken, class rank, SAT or ACT scores, letters of recommendation, and involvement in extra-curricular activities. The Guidance Office has a library of books which contain information about colleges, their admission requirements, tuition costs, and other information. Students are invited to use the resources available and begin discussing college plans early in their high school career.

The State University System (SUS) requires a minimum of 19 credits for admission. Completion of the required 19 credits for SUS admission guarantees acceptance only for Talented 20 students. Therefore, your elective choices are crucial. Choose elective courses identified with *SUS* next to their name in this guide. Such courses enhance the probability of admission to state universities. Refer to *Admissions Policies for the State Universities of Florida* below, before selecting courses.

Admissions Policies for the State Universities of Florida Minimum Admissions Policies

The State of Florida Board of Regents has established minimum state-level admissions policies for first-time college students and for students transferring without having AA degrees from Florida public community colleges. The policies include a list of required high school academic courses considered to be the best preparation for entry to college, **identified in the program guide as SUS**. These requirements are minimum state standards when applying to any of the state universities.

Since each state university may have more stringent admissions standards, students should exceed the following minimum requirements to enhance the probability of admission

1. Graduation from an accredited secondary school or successful completion of the GED;
2. Completion of 19 academic units in a college preparatory curriculum;
 - English 4 units (3 units must include substantial writing components)
 - Math 3 units (Algebra I or higher); 4 units (mandatory) for the freshman class of 2007-08 and thereafter.
 - Natural Sciences 3 units (2 units must include a laboratory component)
 - Social Sciences 3 units (3.5 units, mandatory, for the freshman class of 2007-08 and thereafter.)
 - Foreign Language 2 units (same language)
 - Academic Electives 4 units (SUS approved courses)
3. Submit official SAT or ACT scores; and
4. Meet appropriate levels within the State University System minimum eligibility index. Below is the State University System Sliding Scale. This scale is used to determine the minimum SAT or ACT score necessary based on one's GPA. The scale is updated yearly by the State of Florida Board of Regents.

| GPA | SAT | ACT | GPA | SAT | ACT | GPA | SAT | ACT |
|-----|---|-----|-----|------|-----|-----|------|-----|
| 2.0 | 1140 | 25 | 2.1 | 1110 | 24 | 2.2 | 1090 | 24 |
| 2.3 | 1060 | 23 | 2.4 | 1030 | 22 | 2.5 | 1010 | 21 |
| 2.6 | 1000 | 21 | 2.7 | 990 | 21 | 2.8 | 980 | 21 |
| 2.9 | 970 | 20 | | | | | | |
| 3.0 | No minimum test scores; however, either an ACT or SAT score must be submitted | | | | | | | |

College Credits Programs

Students have the opportunity to earn college credit while enrolled in high school courses. Credit is granted either through a Dual Enrollment program (DE), or through the Advanced Placement program (AP). However, there are some significant differences between the two programs.

Dual Enrollment Program

The Dual Enrollment Program allows students to earn college credits in specific courses offered through St. Thomas University. Such courses allows a student to earn 3 or 4 college credits per semester. Credit is recognized within Florida by most colleges and universities, but may or may not be accepted outside of Florida. Each college or university has established policies regarding acceptance dual enrollment credits. A student must receive a final grade of "C" or better to transfer the credit. Dual enrollment courses are open to sophomores, juniors, and seniors with a cumulative GPA of 3.0 or above who registered in any of the following courses:

Business: Practical Computer Skills, Computer Programming Basic I

English: AP English Literature, English IV-Hnrs.

Math: Pre-Calculus, Pre-Calculus Hnrs , Pre-Calculus II, Calculus I , Calculus I- Hnrs, AP Calculus, Statistics, AP Statistics



Modern Languages: AP Spanish Language, AP Spanish Lit., French IV – Hnrs, Spanish IV – Hnrs, Spanish Speakers V – Hnrs.

Science: Anatomy and Physiology – Hnrs., Physics – Hnrs., and AP Physics

Social Sciences: AP US History, US History – Hnrs.,

Advanced Placement

The College Board sponsors and designs the curriculum for AP courses. Advanced Placement (AP) exams are administered in May. Students enrolled in an AP course **must** sit for the AP exam. Results are nationally recognized, and an exam score of 3 or above is required for most colleges to grant credit. Saint Brendan offers AP courses in the following areas: biology, physics, Calculus, English literature, Spanish language, Spanish literature, and US history.

College Scholarships

Florida's Bright Futures Scholarship Program consolidates current state scholarships and is funded by the state lottery. The program consists of three different scholarship awards: The Florida Academic Scholars
Florida Merit Scholars, and
the Florida Gold Seal Vocational Scholars Award.

To be eligible for an initial award for any of The Florida Bright Futures scholarships, a student must:

1. Apply by completing the Florida Financial Aid Application during the last year of high school;
2. Be a Florida resident;
3. Earn a Florida standard high school diploma or its equivalent;
4. Be accepted by or enrolled in a Florida public or independent postsecondary education institution;
5. Be enrolled for at least six semester credits hours or the equivalent;
6. Not have been found guilty of or pled no contest to, a felony charge; and
7. Begin using the award within 3 years of high school graduation.



Florida Bright Futures Scholarship Programs Eligibility for 2007 Applicants

| | Florida Academic Scholars Award | Florida Medallion Scholars Award | Florida Gold Seal Vocational Scholars Award |
|---|--|--|---|
| Award Level Student may receive funding for only one award. The highest award earned will be selected. | <i>Public Institution:</i> 100% of tuition and fees plus \$600 annually for college related expenses (excluding summer) <i>Private Institution:</i> Fixed award amount based on 100% of the average tuition and fees covered at a comparable Florida public institution and \$600 annually for college related expenses prorated by term and hours | NEW: Public community college – an award equal to 100% of tuition and fees <i>Other Public Institution:</i> 75% of tuition and fees <i>Private Institution</i> - Fixed award amount based on 75% of the average tuition and fees covered at a comparable Florida public institution prorated by term and hours | <i>Public Institution:</i> 75% of tuition and fees <i>Private Institution</i> - Fixed award amount based on 75% of the average tuition and fees covered at a comparable Florida public institution prorated by term and hours |
| Grade Point Average (GPA) Weighting for more challenging courses is prescribed by law as .50 per course per year. | 3.5 weighted GPA (Bright Futures Scholarship Program Weighting System) using 15 credits listed below, combined with test scores and community service hours listed below <i>Note: GPAs are not rounded)</i> | 3.0 weighted GPA (Bright Futures Scholarship Program Weighting System) using 15 credits listed below and test scores <i>Note: GPAs are not rounded)</i> | 3.0 weighted GPA (Bright Futures Scholarship Program Weighting System) using 15.5 credits listed below for a 4-year diploma, and 3.5 un-weighted GPA in a minimum of 3 vocational credits in one vocational program, combined with test scores listed below <i>Note: GPAs are not rounded)</i> |
| Required Courses (Identified as FBF in program guide) See the Comprehensive Course Table on the Bright Futures website to identify courses that count toward each award level | Courses must include 15 credits of college preparatory academic courses 4 Eng (3 with substantial writing) 3 Math (Alg I or higher) 3 Natural Sciences (2 with labs) 3 Social Sciences 2 Foreign Languages (same language) May use up to 3 additional credits in these academic areas and/or AP or fine arts courses to raise GPA. | Courses must include 15 credits of college preparatory academic courses 4 Eng (3 with substantial writing) 3 Math (Alg I or higher) 3 Natural Sciences (2 with labs) 3 Social Sciences 2 Foreign Languages (same language) May use up to 3 additional credits in these academic areas and/or AP or fine arts courses to raise GPA. | Courses must include 15.5 credits of college preparatory academic courses 4 Eng 3 Math (including Algebra 1) 3 Natural Science 3 Social Sciences (Am. Hist., World Hist., Am. Gov., Economics) 1 Practical Arts OR 1 Performing Arts OR .5 credit in each 1/2 Life Management Skills 1/2 Personal Fitness 1/2 Physical Education Plus a minimum of 3 Vocational or Technology Education credits in one vocational program. |
| Community Service | 75 hours or as set by the district or private school | No Requirements | No Requirements |
| Test Scores Sections of the SAT, ACT, or CPT from different test dates may be used to meet the test criteria. | Best composite score of 1270 SAT (combined Critical Reading and Math sections only) or 28 ACT (excluding the writing section) | Best composite score of 970 SAT (combined Critical Reading and Math sections only) or 20 ACT (excluding the writing section) | SAT: 440 Critical Reading 440 Math ACT: 18 Reading 17 English 19 Math |
| Other Ways to Qualify Initial eligibility criteria used in "Other Ways to Qualify" must be met by high school graduation. Contact the Bright Futures Office for further details. | <ul style="list-style-type: none"> ● National Merit or Achievement Scholars and Finalists ● National Hispanic Scholars ● Early Admissions with best composite score of 1270 SAT or 28 ACT and 3.5 weighted GPA in curriculum courses completed. | <ul style="list-style-type: none"> ● National Merit or Achievement Scholars and Finalists and National Hispanic Scholars who have not completed 75 hours of community service ● Early Admissions with best composite score of 970 SAT or 20 ACT and 3.0 weighted GPA in curriculum courses completed. | <ul style="list-style-type: none"> ● None |

CAVEAT: Since the State of Florida's funding appropriations and scholarship academic requirements change each year, make sure you are aware of a particular program's current requirements. **Do not rely solely on the above information.** Go online to www.MyFloridaEducation.com/brfuture .



Curriculum at a Glance

| Standard | College Prep | Advanced College Prep |
|--|---|--|
| Freshman Year | | |
| Religion I | Religion I | Religion I |
| English I | English I | English I – Honors |
| Reading Skills | Foreign Language I | Foreign Language I |
| Algebra 1, Phase 1 | Algebra I, Phase 2 | Algebra I/II - Honors |
| Biology I | Biology I | Biology I - Honors |
| Practical Keyboarding Skills | Practical Keyboarding Skills | Practical Keyboarding Skills |
| Personal Fitness/Comprehensive Fitness | Personal Fitness/ Comprehensive Fitness | Personal Fitness/Comprehensive Fitness |
| Life Management Skills (Health I) | Life Management Skills (Health I) | Life Management Skills (Health I) |
| World Geography | World Geography | World Geography Honors |
| Sophomore Year | | |
| Religion II | Religion II | Religion II |
| English II | English II | English II - Honors |
| Foreign Language I | Foreign Language II | Foreign Language II |
| Informal Geometry | Geometry | Geometry / Trig - Honors |
| Introduction to World History | World History | World History - Honors |
| Physical Science | Chemistry I | Chemistry I - Honors |
| Practical Computer Skills | Practical Computer Skills | Practical Computer Skills |
| Art requirement | Art requirement | Art requirement |
| Junior Year | | |
| Religion III | Religion III | Religion III |
| English III | English III | English III - Honors |
| American History | American History | American History - Honors |
| Chemistry in the Community | Anatomy Physiology or | or AP American History, |
| Geometry | Environmental Science | Anatomy Physiology - Honors |
| Foreign Language II | Pre-Calculus I or Pre-Calculus I/II | or Biology II - Honors or Physics |
| Algebra II | Alg. II with Trigonometry | Pre-Calculus I/II |
| Electives (1.0 credit) | Electives (2.0 credits) | Electives (2.0 credits) |
| Senior Year | | |
| Religion IV | Religion IV | Religion IV |
| English IV | English IV | English IV – Honors, or |
| American Government | American Government | AP English Literature |
| Economics | Economics | American Government – Honors, or |
| College Algebra | Pre Calculus | AP American Government |
| | Calculus | Economics – Honors, or |
| | Statistics | AP Economics |
| | | Recommended: Calculus Honors or |
| | | AP Calculus |
| | | Physics I - Honors or AP Physics |
| | | AP Statistics |
| Electives (minimum 2.0 credits) | Electives (minimum 3.0 credits) | Electives (minimum 1.0 credits) |



Champagnat Department Curriculum

Freshman Year

Religion I
English I
Reading Skills
Algebra I
Biology I
Communication Skills*
Personal Fitness/Comprehensive Fitness
World Geography

*Students not enrolled in Communication Skills will take Practical Keyboarding Skills and Health instead.

Sophomore Year

Religion II
English II
Spanish I
Geometry
Physical Science
Practical Keyboarding Skills*
World History
Life Management Skills (Health I)

*Students who fulfilled their Keyboarding Skills and Health class requirements as freshmen will take a Practical Computer Skills class and an art class instead.

Junior Year

Religion III
English III
Spanish II
Algebra II
Environmental Science
U.S. History
Elective (1 credit)

Senior Year

Religion IV
English IV
College Algebra
American Government
Economics
Electives (2 credits)

The Champagnat Department's course descriptions are the same as ones found in the various departments' listings, but tailored to meet the needs of the students in the Champagnat Program. All Champagnat accepted should be able to complete coursework required to earn a regular high school diploma.

Community service requirement – all students

Students are required to accumulate service hours as follows:

Class of 2007 – 50 hours; Class of 2008 – 75 hours; Class of 2009 and thereafter, 100 hours.

Students **must** engage in a minimum of 25 hours of community service at **each** grade level.

The following section of the program guide contains a description of every course, listed by department, which might be offered during the 2007-2008 school year. Offerings depend upon projected enrollment.

