

CALVIN
College

2007
COMMENCEMENT

Saturday
May Nineteen
Two O'Clock

PRAISE TO THE LORD, THE ALMIGHTY

Joachim Neander

Ernewerten Gesangbuch

Praise to the Lord, the Almighty, the King of creation!
O my soul, praise him, for he is your health and salvation!
Come, all who hear; brothers and sisters, draw near,
join me in glad adoration!

Praise to the Lord, who o'er all things is wondrously reigning,
sheltering you under his wings, oh, so gently sustaining.
Have you not seen all that is needful has been
sent by his gracious ordaining?

Praise to the Lord, who will prosper your work and defend you;
surely his goodness and mercy shall daily attend you.
Ponder anew what the Almighty can do
as with his love he befriends you.

Praise to the Lord! O let all that is in me adore him!
All that has life and breath, come now with praises before him!
Let the amen sound from his people again.
Gladly forever adore him!

THE CALVIN ALMA MATER

Dale Grotenhuis

Celia Bruinooge

Calvin, Calvin, sing we all to thee;
To dear Alma Mater we pledge fidelity.
Forever faithful to maroon and gold,
Thy name and honor we ever shall uphold.

Calvin, Calvin, God has been thy guide;
Dear Alma Mater, thy strength He shall provide.
Be loyal ever to the faith of old.
God's name and honor we ever shall uphold.

ORDER OF COMMENCEMENT

Prelude: *Symphonic for Band* Louis E. Jadin, rescored by William A. Schaefer
Processional: *Pomp and Circumstance March No. 1* Edward Elgar, arranged by Clare Grundman
Calvin College Band, Tiffany Engle, D.M.A., conductor

***Opening Hymn:** *Praise to the Lord, the Almighty*

***Invocation:** Bastian A. Knoppers, B.A., Chair, Calvin College Board of Trustees

**Introduction of
Commencement Speaker:** Gaylen J. Byker, Ph.D., President

Commencement Address: "Leave a Little Dust"
Michelle Loyd-Paige, Ph.D.
Dean for Multicultural Affairs; Professor of Sociology

Presentation of Awards: Bradley C. Miller, B.A., President, Calvin Alumni Association,
to William J. Garvelink, M.A., Class of 1971 and
to Joel D. Holtrop, M.A., Class of 1974, Distinguished Alumni

**Remarks on Behalf
of the Senior Class:** Paul T. Davis, Student Senate President

***Litany for Commencement**

Conferring of Degrees: Claudia DeVries Beversluis, Ph.D., Provost, and Gaylen J. Byker, Ph.D., President

Presentation of Diplomas

***The Calvin Alma Mater**

Closing Remarks

† **Recessional:** *Sine Nomine* Ralph Vaughan Williams, arranged by Alfred Reed

* Audience standing

† The audience is requested to be seated until the faculty and graduates have exited.

LITANY FOR COMMENCEMENT

Liturgist:

Blessed are you, Lord our God, Ruler of the universe.
You are the Beginning and the End,
Sovereign over all times and all things,
Source and Sustainer of everything good.
Just and true are all your ways.

People:

Blessed are you, Lord our God, Ruler of the universe,
and blessed is your holy name forever!

Liturgist:

In Christ you are making all things new.
You reach out to rebels and call us friends;
you lavish your Spirit on the undeserving
and make us stewards of your purposes.

People:

Blessed are you, Lord our God, Ruler of the universe,
and blessed is your holy name forever!

Liturgist:

We celebrate your grace in those who graduate.
For the vital habits of mind and heart
that have brought them to this day,
for intellect, imagination, and authentic piety,
for disciplines faithfully acquired and skills
fruitfully applied:

People:

For these and all your gifts to us,
we thank you, gracious God.

Liturgist:

We celebrate your grace in this community of
faith and learning,
for diversity within shared purpose
and for the complex rhythms of our life together,
for knowledge shared and insights deepened,
conversations joined, convictions tested,
horizons widened, heritages rediscovered:

People:

For these and all your gifts to us,
we thank you, gracious God.

Liturgist:

We celebrate your grace in all
who go out from this place.
For those whom we honor today
as distinguished alumni,
and for all those who invest
what they have received
to build, serve, teach, create,
encourage, or renew,
who honor you by healing hurts
and repairing the broken places of our world:

People:

For these and all your gifts to us,
we thank you, gracious God.

Liturgist:

You are faithful in all that you promise;
keep us faithful in all that you entrust to us.

People:

As you multiplied loaves and fishes
across a crowded hillside,
so multiply our talents and desires
across our span of years.

May our learning blossom into wisdom,
our knowledge of your world into
passion for your will,
our ambition for achievement into
love of peace and justice.

Liturgist:

May your favor rest upon us, O God.

People:

Bless and establish the work of our hands.

All:

For all honor and glory and power are yours,
now and forever.
Amen

COMMENCEMENT SPEAKER

Michelle Loyd-Paige, Ph.D., Class of 1981

Michelle Loyd-Paige was the first of four children born to Charles and Mallie Loyd. As a child in a career military family Michelle has called many places home – Alaska, Puerto Rico, Germany, Virginia, Georgia, Illinois – to name a few. Growing up in a racially segregated world as an African-American was the beginning of her hunger for understanding the social constructions of race, the dismantling of racism, and the seeking of social justice and true social transformation. She filters her work, research, and life through the filter of her core values: integrity, equity, justice, affection, service, righteousness, change, civility, attractiveness, and accountability.

Michelle enrolled at Calvin College in 1977 with the goal of becoming a medical technologist, but God (or her chemistry 101 class) had other plans. She graduated from Calvin in 1981 with a major in sociology and pursued graduate work at Purdue University, earning an M.S (1983) and a Ph.D. (1989) in sociology. As a teaching assistant at Purdue she realized she had a fondness for teaching and decided to embark on a career as a teacher.

Michelle started teaching at Calvin in January 1985, thinking it would only be for the interim of that year. Twenty-two years later she is still here, and has taught in the Department of Sociology and Social Work for twenty years. This past academic year she served as the interim Dean for Multicultural Affairs and, following a national

search, was chosen to assume a regular appointment as the dean on August 1.

Her teaching interests focus on introductory sociology, and diversity and inequality in North American society. Her research interests include the social worlds of black clergywomen, Afro-Christian worship, and Christian responses to racism. Michelle currently lives in Muskegon Heights, Michigan with her husband of 22 years, Mayor Pro-Tem Darrell L. Paige. Together they have three wonderful children: Kevin (20), Adrian (17), and Terrance (16). In addition to her responsibilities at Calvin, she is an ordained minister of the gospel at Christian Fellowship and Outreach in Muskegon, and founding board member and president of PreachSista! Inc., a ministry which embraces, encourages, and equips women in ministry. Apart from her life as an academic her passion is “preaching a word in due season” and speaking out against domestic violence. Her work in ministry informs her research interests in the Afro-Christian church and women in ministry.

Michelle has served on numerous community and church-related boards, including the Grand Rapids Urban League, WITNESS, Michigan Sociological Association, and the Midwest Council for Social Research in Aging and Adult Development. She teaches within the African and African Diaspora Studies program and, for the past five years, has been part of the Consultation of Afro-Christian Scholars in Higher Education.

MESSAGE FROM THE FIFTY-YEAR REUNION CLASS

Dear Calvin College Class of 2007:

Congratulations on your commencement! This event celebrates completion of your undergraduate studies, a significant milestone toward shaping and achieving your life goals. We pray for God's blessing on each of you.

Your graduation is an occasion for our reflection on fifty years as Calvin College alumni. We, too, had dreams and goals, some of which were achieved and others which were changed as we experienced God's guidance in our lives. We have grown both in our understanding of our calling in this world and in our appreciation for Calvin College and its commitment to a life shaped by the Christian faith.

It is easy for us to think about how your world is different. Words like internet, Google, mega-church, global warming, and human genome were not part of our vocabulary in 1957. We have seen astonishing changes and progress: space travel, the dismantling of the Berlin wall, the abolishment of apartheid, the passage of civil rights legislation, and the introduction of molecular medicine. However, some issues have endured: wars between nations, poverty, deadly diseases, immoral popular culture, and inadequate literacy levels.

With the many changes and challenges during the last fifty years, we affirm the good news of the gospel with more confidence and conviction. We confess that God's

faithfulness endures. We give testimony to the glory of God in the beauty of creation and to his providence seen in history. While we cannot deny the brokenness of persons and this world, we do live with the wonderful promise that this world belongs to God, that the world will be renewed, and there will be a new creation. We pray that, as the classes of 1957 and 2007, we can work together for this renewal and respond faithfully to God's call.

You have the promise of an interesting life ahead that will be challenging and rewarding. We encourage you to show the mind of Christ and the gifts of the Spirit in your work, play, worship and family.

Congratulations on your achievements. We welcome you as Calvin Alumni.

Calvin College Class of 1957
Gordon VanHarn, Ph.D.

Provost, Emeritus, Professor of Biology, Emeritus



DISTINGUISHED ALUMNI

The Calvin Alumni Association is proud to present two alumni with the Distinguished Alumni Award. Persons honored in such a way have been chosen by an independent selection committee comprised of alumni, faculty, and staff and are endorsed by the Calvin Alumni Association Board.

Recipients of the Distinguished Alumni Award have made significant contributions to their fields of endeavor, are recognized by their associates for outstanding achievements, and manifest a Christian commitment that reflects honor upon Calvin College.

William J. Garvelink, M.A., Class of 1971

On any given day, William Garvelink '71 may be dealing with 30-40 disasters all over the world, many of which escape the notice of most Americans.

Areas devastated by earthquakes, floods, tsunamis and civil wars are where Garvelink focuses his attention; he's among the first to be notified when any such event occurs.

As the Senior Deputy Assistant Administrator for Democracy, Conflict and Humanitarian Assistance in the U.S. Agency for International Development (USAID), Garvelink oversees the major humanitarian operations of the United States government.

"It is probably the most visible thing that the U.S. government does," said Garvelink.

It hasn't always been such a high priority for the United States, however.

When Garvelink began his career in Washington, D.C., in the mid-1970s, humanitarian assistance was not a big issue, he said.

Garvelink developed a passion for it, though, by working for Congressman Don Fraser (DFL-Minn.) after graduating from Calvin with a history degree and from the University of Minnesota with a master's degree in history.

"My objective was to get my M.A. and Ph.D. in history and then teach at a small school," he said. "While pursuing my doctorate at University of North Carolina, I ran out of money to continue studying Latin American history,

particularly for the travel I needed to do."

During that time, Garvelink and his wife, Linda Arendsen, who also attended Calvin from 1968 to 1970, visited a friend in Washington, D.C. for a weekend, and he was hooked.

After a three-year stint as an aide for Fraser, he began working as a foreign service officer for USAID. Since that time he has conducted assessments and has directed relief operations all over the world, including Africa, Asia, Latin America, the Near East, Europe and the former Soviet Union.

He has played the lead role in responding to the humanitarian needs of civilians during the war in Afghanistan; the war in Iraq; the conflict in Darfur, Sudan; the earthquake in Bam, Iran; and the Asian tsunami, to name a few.

Humanitarian aid is now one of the top five priorities of U.S. foreign policy, Garvelink said. He oversees a budget of more than \$2 billion for food and non-food assistance. Yet much of what the United States does goes unnoticed by many Americans. But it is clearly visible to those who so desperately need help.

"Nobody is worse off than the displaced people in the middle of Sudan," he said. "And it would be very easy to forget about these people, but they are completely dependent on foreign assistance. We have to be committed to taking care of the people of the world."

In situations such as the one in Sudan, Garvelink's role goes beyond just working out the logistics of supplying food, water and health supplies to four million people.

"It's complicated there," he said. "I have to deal with some nasty, unsavory folks," he said, "negotiating with rebel leaders just to get them to allow our relief efforts in. We tell them, 'Here's what we want to do; don't shoot at us.'"

"It doesn't always work," he said. "In some areas, relief workers have the highest casualty rate; it's probably safer to be a soldier."

In the case of natural disasters there is no negotiating; Garvelink must make swift decisions based upon very limited information. "I don't know' doesn't work. You have to respond quickly to save lives," he said.

And he has saved many, according to Roger Winter, former USAID Assistant Administrator for the Democracy, Conflict and Humanitarian Assistance Bureau. “His professionalism, humanitarian concern and sweat saved, undoubtedly, thousands of lives and sustained hope in the survivors of these terrible events,” he said.

The 1988 earthquake in Armenia and the 2003 earthquake in Bam, Iran, are two natural disasters that stand out in Garvelink’s memory. “The devastation was unbelievable,” he said.

Fifty-thousand people were killed in each. “In Bam, everything was leveled; there was no possibility of survivors. All we could do was begin pulling out dead bodies,” he said.

Experiencing such devastation throughout his career has been difficult, Garvelink admitted. “In the early days, it was much harder to deal with,” he said. “I’ve learned to look at the health, water and food needs clinically, and then I work at getting them what is needed. That’s what I focus on, but it gets to you every now and then.”

A Christian-based education with a broad liberal arts background has been the foundation for his career, Garvelink said.

“It struck me the other day,” he said. “What kinds of skills are necessary for what I do? You need to be able to think logically, analyze situations, write clearly and make decisions. Calvin’s training couldn’t have been better.

“And my passion for this comes from my Christian upbringing and education,” he added. “In my early years, I didn’t realize how important Calvin was. It is a rare commodity, combining a quality education with moral guidance. When people come to work in Washington, I notice right away when they are from Calvin.”

Reflecting on his 30-year career, Garvelink said that it has been amazing to represent the U. S. government in this way.

“The U.S. is expected to be everywhere and participate in everything,” he said. “There are 18 countries that provide 99 percent of the aid in the world, and for that, we set the tone. The U.S is more involved than it ever has been, and we are expected to provide answers.”

And that’s what Garvelink will continue to do.

Joel D. Holtrop, M.A., Class of 1974

There are nearly 200 million acres of National Forest System land spread across 42 states and Puerto Rico, and while Joel Holtrop ‘74 hasn’t personally experienced every bit of that land, there are some very large plots of this country that Holtrop knows very well.

“If you blindfolded me and set me up on a ridge in northwest Montana or in the Upper Peninsula of Michigan, I bet that I could tell you where I am,” Holtrop said.

Holtrop’s familiarity with forests and land comes naturally. In fact, at age 11 he was so enthralled with the stories of a National Park Service ranger that he decided then and there on his future profession. “I remember that nature walk like it was a week ago,” said Holtrop, now 55. “I walked away from that experience saying, ‘That’s what I want to be.’”

His mother encouraged his interest, taking him to Forest Service offices in Whitehall and Cadillac, Michigan. And upon coming to Calvin, Holtrop focused on biology for two years before transferring to Michigan State University to earn a bachelor’s in forest management.

From there he went on to the University of Washington for a master’s degree and a job with the U.S. Forest Service. Holtrop’s career took him to forestry positions in California, Oregon, Michigan, Wisconsin and Montana. He moved to the national office in 1996 and later was named Deputy Chief, State and Private Forestry. In 2005 he became Deputy Chief, National Forest System, overseeing all 155 of the United States’ national forests, including wildlife, range, timber, watershed, recreation and minerals management.

Rising through the ranks from forestry worker to Deputy Chief has altered Holtrop’s focus from local concerns to much more global issues, but his mission has never changed: “The basic values I learned at Calvin about creation and about people affects everything I do every day of my life,” he said.

Earlier in his career, Holtrop’s decisions were more site-specific—whether or not to harvest a particular stand of trees or whether or not to develop a new campground. Now his are broad policy decisions such as developing recreational opportunities in the eastern United States to

connect young people to the outdoors or stressing wildlife habitats in the northwestern United States.

All of these decisions—great and small—necessarily take into account the mission of the Forest Service, which is the sustainability of natural resources for this and future generations through balanced management.

It's the balancing act that makes decisions difficult at times, Holtrop admitted. "I have significant responsibility for and can make an impact on God's creation," he said. "That needs to be weighted with the fact that people need these resources for economic and material use, quality of life and recreational opportunities. That's what makes our mission one of the more difficult, compelling and fascinating missions of all federal agencies."

And this is where his faith helps define what he does. "It's easy to apply Christian values to the work that I do," he said. "It's much harder to reach the balance and personal comfort about the decisions that I make; being able to work those decisions through the sieve of a Christian perspective makes a difference."

And while Holtrop believes there has been an upsurge in public awareness surrounding issues of sustainability, particularly as it relates to climate change, burgeoning populations and scarcity of resources continue to put pressure on the decisions that he makes and work that he does.

"The current generation might be the last in which significant numbers of people have spent significant time outdoors," he said. "Young people now spend hours and hours indoors on computers, iPods and Game Boys," he said. "They have spent a lot less time walking through the woods, climbing trees and splashing through creeks. Part of my responsibility is to make sure that people who don't

have as much experience with the outdoors understand the importance of wildlife habitat."

Sustaining the health of forests for future generations is also part of Holtrop's responsibility, he said.

"This is not a short-term thing," he said. "It's not sufficient if I've helped accomplish sustaining forests during the length of my career; I've only done my job if I've set the stage for the generations beyond my career."

Holtrop is sure that he has passed on his passion to at least some members of the next generation, though. His and his wife's (Julie Dice '75) daughter Laura, who graduated from Calvin in January, is working in Rocky Mountain National Park doing research on bison and elk grazing, while her twin sister, Jessica, who is a May graduate of Calvin, has been hired as a wild land firefighter on a hot shot crew in Sequoia and Kings Canyon National Parks.

Their eldest daughter, Katie '04, a nurse at the Spectrum Meijer Heart Center in Grand Rapids, is living on Calvin's campus as the wife of resident director Grant Schoonover '03. The Schoonovers also revel in outdoor adventures, such as hiking and climbing.

In fact, Holtrop has climbed Colorado's two highest peaks—one with Grant and one with Katie and Laura—the last two summers.

"Because of all my ties to Calvin right now, I can't think of a more meaningful award for me at this time in my life," Holtrop said. "The award has been causing me to reflect more on what my time at Calvin meant to me. Calvin formed this bedrock foundation for my upper education that has guided me well for many years in my career. To receive this award from an institution that means this much to me personally, I don't know how to put it into words."

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CANDIDATES FOR DEGREES AND CERTIFICATES 2006-2007

HONORS GRADUATES

These students have received commemorative medallions for their completion of all requirements in the Calvin College Honors Program.

Megan Andrews Honors in Social Work	Sarah Greenlee Honors in Philosophy	Kristin Michael Honors in Sociology	Melissa Vanden Berg Honors in Biology
Chris Beaumont Honors in Physics	Sylvia Harris Honors in Philosophy	Kelli Muilenburg Honors in Business	Erica Vandergaast Honors in Biology
Katie Bergman Honors in Psychology	Melanie Herbert Honors in Biology	Karrie Notman Honors in Biology	Jonathan VanderHoek Honors in Philosophy
Kaitlyn Bohlin Honors in English	Christine Holst Honors in Political Science	Elizabeth Osinga Honors in History	Caroline Vanderloo Honors in English
Jon Bratt Honors in History	Joshua Holtrop Honors in Computer Science	Kory Plockmeyer Honors in Greek, Latin, and Classical Studies	Dena Vander Tuig Honors in Biology
Andrew Butler Honors in Physics	Audrey Horstman Honors in Communication Arts and Sciences	Janelle Rekman Honors in Biology	Rachel Van Harten Honors in English
Brittani Campbell Honors in Business	Jennifer Hunt Honors in History	Julie Saksa Honors in Religion	Amy VanNocker Honors in International Relations
Daina Carr Honors in English	Brian Klassen Honors in Psychology	Thomas Schneider Honors in English	Jeremy Van't Hof Honors in Biochemistry
Miriam Diephouse Honors in Religion	Ryan Kruis Honors in Religion	Jae Hee Shim Honors in Biology	Stephanie Vogelzang Honors in Religion
Nathaniel Fischer Honors in Economics Honors in Political Science	Natalia Lentini Honors in English	Lisa Szumiak Honors in Asian Studies	Tyler Voskuilen Honors in Engineering
Hannah Forsythe Honors in Spanish	Amy Lewis Honors in English	Nathan Tonlaar Honors in Biology	Heather Vrieland Honors in Asian Studies
	Andrew Lohse Honors in Chemistry	Jonathan Vance Honors in Philosophy	Donald Weck Honors in Psychology
	Thomas Mazanec Honors in English	Cheri Vande Bunte Honors in Biology	Justin Westbrook Honors in Psychology
	Zachary Meyer Honors in History	Nathan Vande Burgt Honors in Biology	Bryan Wuest Honors in Film Studies
		Amy Vanden Berg Honors in Psychology	Robert Zandstra Honors in Interdisciplinary Studies

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Benjamin A. Wright
Bryan G. Wuest
David R. Wunderink
Esther J. Yim
John I. Young
Robert A. Zandstra
Janine S. Zantingh
Lane J. Zoerhof

**BACHELOR OF ARTS OR
BACHELOR OF SCIENCE**

**General Science:
Science majors – Biology,
Chemistry, Computer Sci-
ence, Geography, Geology,
Environmental Studies,
Mathematics, Physics**

Philip Acheampong
Sarmad M. Alyas-Askar
Neeltje M. Anderson
Jacob S. Barnett
John H. Bast
Christopher N. Beaumont
Jon E. Berends
Donovan Billy
Jodi L. Boer
Andrew M. Bolles
Eric J. Bradley
Jarred J. Bultema
Alissa J. Bulst
Todd M. Burciaga
Justin M. Bush
Joseph W. Buthker

Andrew R. Butler
Melinda C. Campbell
Jae Hyuk Choi
James B. Coakley
Adam P. Cosnek
Jeffrey D. Crawford
Michael J. DeVries
Melinda J. Dornbush
Aaron D. Dull
Laura J. Feys
Amanda L. Field
Bradley J. Flikkema
Robert M. Flikkema
Jason B. Folkema
Sylvanus P. Gang
Yug P. Gill
Matthew J. Gort
Nathan L. Haan
Zachary P. Hache
Allison R. Hager
Chad D. Hanson
Melanie L. Hebert
Tina R. Heetderks
Jason E. Hickerson
Sarah L. Holland
Laura L. Holtrop
Philip J. Homan
Grace A. Hongsermeier

Cherith R. Janes
Courtney A. Johnson
Brian E. Kaemingk
Gladys G. Kamanga-Sollo
Na Rae Kim
Michael J. Kingma
Stephanie J. Kloostra
Eric N. Knibbe
David W. Koster
Stephanie L. Kouwe
Geoffrey A. Kraker
Joshua J. Kuipers
Jason J. Kulisek
Nicholas K. Kuzera
Gregory S. Lavery
Andrew G. Lohse
Sarah M. Mange
Rachel L. Medema
Drew W. Moeller
Jennifer L. Nichols
Steven S. Norman, Jr.
Kerrie E. Notman
Beverly J. Nydam
Samuel T. Nyok
Mark L. Pagel
Dana M. Pilon
Laurie A. Poll
Benjamin T. Post

Kyle L. Radosevich
Janelle F. Rekman
Matthew D. Riemersma
Michele R. Ritsema
Jason P. Rottman
Vonny A. Salim
Bethany G. Schierbeek
Jae Hee Shim
Elizabeth J. Short
Rafael L. Siebenschein
Laura E. Smit
Christopher C. Snyder
Cory M. Stewart
Joel M. Stob
Matthew A. Tao
Daniel J. TenBrink
Christina J. Tenhaaf
Uduak G. Thomas
Nathan Y. Tonlaar
Jose A. Toro
Emily J. Tubergen
Jeffery M. Uitvlugt
Megan A. Uitvlugt
Jeremy R. Van't Hof
Edward A. VanBaak
Cheri A. Vande Bunte
Nathan H. Vande Burgt
Charles J. VandenBerg, IV

Melissa J. Vanden Berg
Rachel A. Vandenberg
Erica D. Vandergaast
Brent A. VanderHart
Berendena I. Vander Tuig

Philip S. VanderVeen
Mark N. Vander Wal
Benjamin L. Vander Weide
Mark D. Van Holstyn
Samuel O. VanScoter

Darryl R Vink
Julie R. Whetstone
Mark J. Wierenga
Robert J. Wiesehan
Samuel G. Williamson

Alexandra D. Wilson
Megan L. Witsaman
Lucas A. Wright
Sarah J. Wright

**BACHELOR OF ARTS OR
BACHELOR OF SCIENCE**

General Program:

Social Science majors
– **Business, Economics,**
Physical Education,
Political Science,
Psychology, Sociology

Maria Hadassah K. Abad
David L. Alberta
Andrea J. Anderson
Joshua C. Ankerberg
Ann-Marie E. Aumann
Andrea D. Bailey
Vijay P. Bangalore
Alicia J. Baylor
Andrea R. Beckman
Roy W. Benjey
Christine N. Bensfield
Kathleen N. Bergman
Scott H. Bilthouse
Timothy W. Bloem
Blake T. Boehm
Cara J. Boekeloo
David J. Bogertman
Anna J. Bolinder
Kaylin J. Bolt
Brian J. Bosch
Maria L. Bowater
Bradley J. Breuker
Aaron J. Brink
Amanda J. Bruehl
Daniel J. Bruinsma
Casey J. Buettner

Rebekah J. Burrows
Abi G. Bulus
Grant M. Buma
Joseph D. Byker
Brittani R. Campbell
Stephen K. Capp
Nicholas B. Caudle
Jane J. Cha
Huoy Chhay
Junhee Choi
Lauren J. Colyn
Andrew R. Cooper
Samantha M. Corey
Mark B. Cox
Teresa J. Cramer
Adam M. Cramton
Jenelle M. Cullum
Rachel V. Cush
Danielle B. Cutter
Morgan P. Davis
Paul T. Davis
Marita L. DeJong
Jill K. DeMaat
Brittany J. DeVos
David J. De Young
Megan L. Diekema
Randall S. Disselkoen
Ashley M. Dobbs
Nana Yaa A. Dodi
Whitney S. Doherty
Sheena M. Doornbos
Andrew T. Draayer
John C. Dykstra
John O. Eigege
Dean B. Exoo
Rodrigo J. Farach
Jonathan L. Feddema

Emily A. Fee
Eryn L. Fenske
Nathaniel A. Fischer
Lydia M. Fish
Jessica C. Folkema
Benjamin D. Foshager
Daniel E. Frueh
Chandra J. Fynaardt
Lisa A. Geelhoed
Lauren S. Gore
Austin K. Graft
Sarah E. Greenlee
Sarah E. Griffin
Brian A. Haan
Elisia M. Haffer
Ryan G. Hamelinck
Eduardo M. Han
Caitlin R. Hanna
Alicia K. Heersink
Peter M. Hemsley
Matthew P. Herrema
Anson J. Heyboer
Timothy R. Hodge
Amanda S. Hoeksema
Christine L. Holst
Emily K. Holthouse
Joel P. Holwerda
Kelly L. Hoster
Ji Hye Hwang
Kwang Hoon Ji
Jessica L. Jones
Han Na Jung
Kristen E. Kalb
Joel D. Kamstra
Marcus H. Kapteyn
Lyndi A. Katje
Blake P. Kelly

Erin J. Keyzer
Gil Su Kim
Kyama M. Kitavi
Brian J. Klassen
Lindsey E. Klooster
Nathan P. Kooi
Marcus W. Koornneef
Michael H. Koornneef
Petr N. Kornilov
Kendra J. Kreykes
Michael D. Liechty
Kari A. Lipinski
Angela M. Ludema
Scott M. Luecht
Megan M. Machiela
Zoe S. Martinez
Meghan J. Mast
Colin S. McWhertor
Mark A. Medenblik
Lisa J. Meiste
Lesley A. Mejeur
Darrin R. Meyer
Grace K. Miguel
Daniel C. Miller
Karen J. Moschenrose
Kelli L. Muilenburg
Kathleen A. Mulder
Yo Sep J. Na
Kurt A. Nederveld
Maree C. Ness
Jacob B. Nienhuis
Gretchen J. Norton
Chinyere Y. Nwachukwu
John Peter W. Nyholt
Helen S. Park
John L. Pauley, III
Kristin J. Penning

John P. Plakmeyer
Judson R. Poling
Lane R. Poppert
Joshua N. Rebba
Nikki-Ann Reckman
Gregory J. Regts
Andrew J. Resseguie
Alexander D. Ribbens
Melissa S. Rick
Andrew L. Ritsema
Daniel M. Roberts
Abigail M. Rokey
Katie J. Roeda
Tonya J. Ross
Justin V. Roza
Elizabeth K. Rudy
Paul F. Rupke
Rachel L. Sal
Yoshiko Sano
Leah C. Scholma
Leah R. Scholten
Todd W. Schuster
Margaret E. Schwartz

Brian C. Simonds
Lydia G. Singer
Leah M. Slager
Joel N. Smearsoll
Heather L. Sparks
Kelly J. Start
Mary E. Stata
Kelly A. Steenstra
Amanda K. Stehle
Justin D. Sterenberg
Timothy A. Stoeffler
Andrea L. Stoit
Maria J. Stoudt
Kyle A. Strengholt
Janna L. Sytsma
Elliot W. Talen
Jeffrey M. TenBrink
Megan J. TerVeem
Nicholas J. Thompson
Mark V. Thyle
Jessica A. Tigchelaar
Rachael L. Top
David J. Troast

Michael L. Tubergen
Hitomi Urushizaki
Amy L. Vanden Berg
Brian T. Vanden Berg
Kristin K. Vanden Hoek
Elizabeth S. Vander Leest
Jacqueline M. VanderMale
Erika M. Vander Meulen
Stephen G. Vander Pol
Megann M. Vander Vliet
Erin R. Van Haitsma
Jenna S. Van Klompenberg
Michael P. VanLente
Amy L. VanNocker
Eric C. Van Raay
Nicholas H. VanSchepen
Kyle S. Van Strien
Matthew P. Van Til
John S. VanTol
Timothy D. Van Vugt
Joshua E. Vecchi
Hope M. Vermaire

Lorilyn Vogel
Alexander J. Vogelzang
Stephanie A. Vogelzang
Emily E. Vollink
Amy L. Wallish
Donald R. Weck
Sarah J. Weesies
Justin T. Westbrook
Thomas J. Westerhof
Rachel B. Wigboldy
Shannon M. Wilson
Katherine J. Wittingen
Katherine L. Wroughton
Christine Yang
Dale D. Yi
Tiffany N. Yonkman
Eun Kyu D. Yoon
Chi-Young Youn
Xiaohong Zhou
Andrew J. Zoerman
Kimberly A. Zubb
Kelly M. Zwier-Janke

**BACHELOR OF ARTS OR
BACHELOR OF SCIENCE**

**Education Program:
Elementary Education**

Kristen L. Aardema
Rebecca L. Bajema
Christin L. Baker
Elizabeth H. Baumgras
Kaitlin J. Bennink
Kara J. Berkenpas
Emily K. Blacquiere
Christa L. Boeder
Sarah M. Bolton
Carolynn A. Boogaart
Lisa M. Borgman
Daniel J. Broersma
Jayme E. Brooks

Jennifer N. Buis
Christina L. Caldwell
Megan D. Chaney
Jennifer N. Conrad
Maria J. De Boer
Erica M. DeKoekkoek
Jeffrey R. DeMaagd
Stephanie L. Dick
Jennifer A. Dotinga
Amy L. Dozeman
Ashly N. Evans
Nicole R. Faber
Jessica M. Frederick
Rebecca L. Gleisner
Karena J. Groenewold
Amanda S. Hamm
Katherine E. Hasson
April S. Hendricks
Andrea N. Hodge

Jason W. Hoeksema
Chelsea A. Huenink
Stacey L. Huizinga
Tracy L. Jansen
Rachel M. Kaines
Bethany T. Keen
Kristi A. Kerekes
Deborah L. Key
Kristin M. Kingma
Rebecca A. Lanenga
Jaclyn M. Lewis
Meghan E. McCrary
Jennifer L. Neidert
Natalie C. Patton
Beth J. Pfruender
Sheri L. Poelman
Jill M. Postema
Jacqueline R. Postma

Katherine L. Roeda
Natasha M. Rupke
Megan R. Scheumann
Christin M. Schra
Ana P. Schrauben
Kari L. Schreur
Michelle A. Schweigert
Lori A. Steenwyk
Heather E. Stehouwer
Ryan C. Tracey
Rachel L. Triemstra
Katie J. Vander Laan
Lauren E. Vanderveen
Heather A. Veelman
Kristine A. Veltman
Lindsey J. Visser
Abigail J. Wiers
Meghan E. Zuidema

**Education Program:
Secondary Education**

Mark D. Asma
David R. Bishop
Brett V. Bonnema
Michael J. Bosma
Jillian P. Capel
David R. Curtis
Kara D. Dauphin
Stephanie R. DeHaan
James M. Deterding
Elizabeth A. Forrest
Megan L. Garnham
Sarah A. Gonzalez
Lisa J. Hamming

Nathan C. Heuker
Jeremy W. Hodges
Joel P. Hoekstra
Jodi M. Ippel
Elizabeth A. Kamper
Jacob D. Kelly
See-Eun Kim
Hannah M. Kroon
Krista J. Krygsman
Matthew R. Kumershek
Lucia Kwon
Gregory B. Lambert
Megan P. Lawry
Elizabeth A. Lyon
Sarah E. Mahloy
Laura J. Moes

Amanda M. Mudde
Marybeth L. Myhren
Jeffery S. Olivero
Joseph S. Park
John W. Piebenga
Eric J. Pols
Melissa L. Scholl
Melissa D. Scholma
Lindy E. Scripps-Hoekstra
Keith D. Sikkema
David J. Sneller
Patricia M. Snyder
Katherine M. Spencer
Samuel L. Sportel
Ryan J. Stegink
Rebecca J. Sullivan

Valerie M. Thompson
Jory D. Trim
Kimberly A. Turner
Kelly B. VanDenBerg
Anne L. VanLoon
Laura B. Veenstra
Rochelle D. Veenstra
Benjamin K. Veltman
Kevin J. Voogt
Matthew D. Vriesman
Rebekah J. Weima
Elisabeth J. Winkle
Christine J. Witte
Maurice R. Wright
Tyler J. Zwagerman

**Education Program:
Special Education**

Stephanie L. Beerens
Carolyn J. Bolt
Emily R. Davis
Jennifer M. DeRidder

Elizabeth A. Eriks
Sarah J. Flikkema
Anna S. Hoekstra
Jaclyn M. Hoogstra

Emily E. Huyser
Melissa J. Israels
Jennifer S. Ray
Sarah A. Vanderwall

**BACHELOR OF SCIENCE
IN ACCOUNTANCY**

Michael L. Bangma
Jenny R. Bratt
Jonathan W. Bykerk
Ryan M. Grasmeyer
Benjamin J. Ipema
Harrison J. Jorritsma
Kyle J. Kooienga

Jason B. Koole
Daniel P. Lindemulder
Hemense Y. Orkar
Steven J. Quist
Amy J. Ravenhorst
David W. Ritz
Heidi G. Smilde

Michelle L. Tamminga
Jeremy B. Triemstra
Brett G. Van Dyk
Brian J. Yeazel
Gi-Young Youn
Anthony P. Zwiers

**BACHELOR OF
SCIENCE IN PUBLIC
ACCOUNTANCY**

Brian J. Bardolph
Jeremy S. Beutlich
Nicholas J. Bykerk
Kurt C. Frisch

David N. Huizinga
Kristen P. Irwin
Kathryn A. Profant
Jason P. van den Brink

Joseph M. Vloedman
Adam C. Weaver
Jacob J. Wolffis

**BACHELOR OF
COMPUTER SCIENCE**

Timothy H. Brom
David K. Hanson
Joshua P. Holtrop
Benjamin J. Houseward

Brian C. Lubben
Matthew D. Johnson
Timothy A. Scogin

Justin A. Searls
Kenneth D. Todd, II
Brian D. Vanderwal

**BACHELOR OF SCIENCE
IN ENGINEERING**

Craig S. Baker
Bryan M. Bandstra
Nathan A. Barker
Jordan H. Beekhuis
LeAnne N. Bock
Cornelis F. Bruinsma
Jonathan R. Bush
Steven H. Buys
Marcus D. Byker
Lucas S. DeJonge
Jordan C. DeRooy
Eric R. DeVries

Neil P. De Wit
Timothy E. Finnegan
Barbara K. Gluvers
Melanie K. Haagsma
Scott H. Hekman
Mark R. Holwerda
Nathan D. Johnson
Jeannine A. Keller
Matthew S. Korthuis
Timothy J. Kreft
Joshua P. Kroon
Nathanael J. Kruis
Shalomel Y. Kundan
Robert G. Lindquist
Nathaniel D. Maack

Scott A. Malefyt
Eric P. Malinowski
Clifford J. Matthews
Benjamin T. Mead
Daniel A. Nieuwenhuis
Jason A. Noteboom
Justin D. Pipe
Daniel J. Prince
Scott E. Saxsma
Jordan T. Schaenzle
Jesse T. Singer
Eric S. Sloterbeek
Nathan P. Sportel
Abby L. Stemler
Ryan S. Truer

Peter B. Tuuk
Aric N. Vanderzee
Geoffrey J. VanLeeuwen
Darren J. VanRooyen
Jared L. Veenstra
Dustin J. Veldkamp
Christopher J. Vonk
Tyler G. Voskuilen
Job D. Vranish
Nicholas J. Vroom
Scott R. Walcott
Eric P. Wildschut
Christopher L. Zandstra
Bradley S. Zoodsma
Michael D. Zwagerman

**BACHELOR OF
FINE ARTS**

Robert J. Bosscher
Taylor C. Greenfield

Heather A. Luimes
Bradley R. Smith

**BACHELOR OF
SCIENCE IN LETTERS
AND OCCUPATIONAL
THERAPY**

Jessica R. De Vries
Luke A. DeVries

**BACHELOR OF SCIENCE
IN NURSING**

Sarah A. Baillargeon
Laura J. Barrett
Laura A. Boersma
Laura M. Boonstra
Anna C. Bosch
Krista J. Bouman
Laura S. Campbell
Stephanie J. Capp
Lena R. Clemo
Renee L. DeHaan
Kristin J. DeJonge
Colleen M. DeWitt
Amanda K. Dick

Carla A. Dodde
Kristina L. Doornbos
Deborah L. Dykhouse
Alyssa M. Elenbaas
Dana M. Ferwerda
Rachel E. Hebden
Bethany S. Hofman
Kelsey D. Holtvluwer
Karyn T. Holwerda
Elizabeth A. Ingebrigtsen
JuShin Kim
Lindsay K. Knight
Rena M. Kohler
Jennifer A. Kool
Nicole A. Kraker
Rebecca G. Kreun

Wade W. Kreun
Trisha L. Laning
Lisa J. Lautenbach
Sonia Lee
Erika J. Leep
Stephanie N. Lubbers
Lyndsay A. Malott
Alysha S. McFadden
Alyssa J. McGee
Camille R. Medema
Sandi L. Morrison
Brian T. Mulder
Valerie N. Nelson
Autumn M. Perrault
Michaela E. Ryzebol
Sarah B. Sietsema

Alisa R. Spronk
Tracy L. Sytsma
Leah J. VandeKopple
Kelly A. Van Kampen
Nichole L. VanMeeteren
Kristin S. Van Mersbergen
Jill M. Vantol
Sarah L. Ver Hoeven
Nicole J. Visser
Jenda L. Wassink
Jennifer L. Weaver
Lindsey E. Wieringa-
Wagenmaker
Britt A. Wilson

**BACHELOR OF SCIENCE
IN RECREATION**

Andrew T. Baumann
Dallas J. DeJong
Andrew J. DeVries, III
Jenna N. Karas
Christine L. Loerop

Heidi L. Robertson
Benjamin J. Schaefer
Jamie K. Schweigert
Kyle D. Snoeyink
Chad A. Steininger

Zachary F. Teitsma
Bryan J. Troast
Jill M. Van Stright
Josiah R. Walcott
Heather N. Wiersum

**BACHELOR OF
SOCIAL WORK**

Megan K. Andrews
Shandra C. Andrews
Justin H. Antranikian
Jamie L. Barry
Bethany R. Bertapelle
Janae B. Bosma
Kimberly M. Brouwer
Christine A. Brown
Megan R. Buteyn

Timothy J. Buteyn
Laura M. Cabral
Kristen M. Coleman
Jennie Reminga
Emily J. Denay
Monica L. Ellis
Caleb E. Gonzalez
Gregory Grutman
Ashley N. Herndon
David G. Holwerda
Elyce L. Huizenga

Molly K. Jacobsma
Rebekah J. Klooster
Hope E. Lane
Christa J. Lenssen
Elizabeth A. Mellema
Maria J. Moller-Gunderson
Ruth R. Mueller
Erin J. Mundell
Jennifer J. Olthoff
Cheryl M. Pasma
Jennifer L. Pratt

Katherine P. Renton
Stephanie L. Richards
Joanne R. Seel
Amber L. Shilling
David M. Tweedie
Carrie C. Vander Hoek
Laura B. Vanderveen
Caitlin Van Dyk
Christie L. Van Tongeren
Deborah L. Westrate
Rachael D. Zondervan

SENIOR HONORARY AWARDS

**Beverluis Award in
Christian Philosophy
of Education**

Lindy E. Scripps-Hoekstra

**Paul H. Boonstra Memorial
Award in Mathematics
Education**

Michael J. Bosma
Elisabeth J. Winkle

**Classical Association
of the Middle West
and South (Classics)**

Kory L. Plockmeyer

CCA Computing Award

Joshua P. Holtrop

**Elsa Cortina Outstanding
Senior Award (Spanish)**

Laura E. McGinness

**The History Department
John DeBie Prize**

Jennifer L. Hunt

**William B. Eerdmans
Literary Award (English)**

Nathan A. Gelinias

**Outstanding Senior
Award in Biochemistry**

Mark N. Vander Wal

**Outstanding Senior Award
in Chemistry**

Andrew G. Lohse

**French Department
Outstanding Senior Award**

Elisia M. Haffer
Melody G. Joachim

**Outstanding Senior Award
in Geography**

David W. Ritz

**Outstanding Senior Award
in Geology**

Melinda C. Campbell

**Dr. Peter D. Hoekstra
Memorial Award (History)**

Elizabeth A. Osinga

**Dr. Roger A. and Bradley J.
Hoekstra Toward Christian
Excellence in Medicine
Award**

Nathan R. Stehouwer

**Harmon D. Hook Memorial
Award (English)**

Ruth Anne Spooner

**Sigma Theta Tau
International Honor
Society of Nursing, Kappa
Epsilon Chapter-at-Large
Outstanding Student**

Sandi L. Morrison

**Kent Medical
Foundation Grant**

Drew W. Moeller

**Bret and Marlene Kort
Award in Medicine**

Matthew A. Tao

**Latin Award for Outstanding
Achievement**

Thomas R. Schneider

**William Rinck Memorial
Prize in Mathematics**

Joshua P. Holtrop

Ten Hoor Award

Jonathan D. Bratt

**The Bernard J. TenBroek
“Excellence in Biology
in Research” Award**

Nathan L. Haan
Nathan Y. Tonlaar

**VanderArk Distinguished
Student Teacher Education
Award**

Rebecca L. Bajema
Elizabeth A. Forrest
Jacob D. Kelly
Rebecca J. Sullivan

Zondervan Greek Award

Julie B. Richards

SCHOLARSHIPS, FELLOWSHIPS, AND ASSISTANTSHIPS FOR POST GRADUATE STUDIES

Christopher N. Beaumont	Assistantship (astrophysics), University of Hawaii
Jodi L. Boer	Assistantship (biochemistry), Michigan State University
Timothy H. Brom	Assistantship (computer science), University of Kentucky
Joey W. Buthker	Assistantship (chemistry), University of Illinois, Urbana-Champaign
Andrew R. Butler	Postgraduate research award (astrophysics), Swinburne University of Technology
Melinda C. Campbell	Assistantship (environmental geology), University of Toledo
Emily J. Denay	Fellowship (social work), University of Michigan
Michael J. DeVries	Assistantship (chemistry), Northwestern University
Laura J. Feys	Scholarship & Assistantship (mathematics), University of Notre Dame
Yug P. S. Gill	Assistantship (residence life), Grand Valley State University
Barbara K. Gluvers	Assistantship (chemical engineering), Michigan State University
Sarah E. Greenlee	Scholarship (law), Case Western Reserve University
Scott H. Hekman	Assistantship (environmental & water resources engineering), University of Texas
Timothy R. Hodge	Assistantship (agricultural economics), Michigan State University
Phillip J. Homan	Fellowship (chemistry), University of North Carolina
Audrey E. Horstman	Assistantship (speech pathology), Marquette University
Jennifer L. Hunt	Scholarship (museum studies), University of Leicester
Bruce F. James	Assistantship (film), Temple University
Carolyn M. Kennedy	Assistantship (speech pathology), Western Michigan University
Brian J. Klassen	Assistantship (clinical psychology), Wayne State University

Amy M. Lewis	Scholarship (creative writing), The New School University
Andrew G. Lohse	Fellowship (chemistry), University of Wisconsin-Madison
Kristen M. Michael	Scholarship (urban planning), University of Pennsylvania
Kerrie E. Notman	Scholarship (biology), University of Michigan
Ryan M. Pennings	Scholarship (physical therapy), Central Michigan University
Kory L. Plockmeyer	Assistantship (classics), University of Florida
Julie M. Saks	Fellowship (social work & theology), Austin Presbyterian Theological School
Rachel L. Sal	Scholarship (law), Michigan State University
Benjamin J. Schaefer	Scholarship (theology), Calvin Theological Seminary
Bethany G. Schierbeek	Scholarship (biology), University of Michigan
Ruth Anna Spooner	Assistantship (teaching English), Boise State University
Nathan P. Sportel	Scholarship (law), John Marshall Law School
Amanda K. Stehle	Scholarship (public & international affairs), University of Pittsburgh
Peter B. Tuuk	Fellowships and Assistantships (electrical engineering), University of Michigan, University of Illinois, Georgia Institute of Technology
Cheri A. Vande Bunte	Scholarship (medicine), St. Louis University Medical School
Nathan H. Vande Burgt	Fellowship (microbiology), University of Pennsylvania
Mark N. Vander Wal	Fellowship (chemistry), Princeton University
Tyler G. Voskuilen	Fellowship & Assistantship (mechanical engineering), Purdue University
Christine J. Witte	School of Music Performance Award (viola performance), De Paul University
Katherine L. Wroughton	Scholarship (social work), University of Michigan
Dale D. Yi	Assistantship (agricultural economics), Michigan State University
Kelly M. Zwier-Janke	Assistantship (clinical psychology), Michigan State University

This list includes only those awards reported prior to the print deadline.

DEPARTMENTAL BANNERS

Throughout history, colorful banners have been used to mark important religious and civic events and to celebrate the vision and spirit of the participants in such events. The departmental banners displayed at this occasion arise from an awareness of this tradition and are meant to continue it. Besides symbolically revealing the richness of the various disciplines at Calvin College, the banners graphically represent their distinctiveness. Although their colors are mostly in keeping with traditional associations—scarlet for religion and theology, blue for education, orange for engineering—their forms combine the traditional, the contemporary, and the abstract.



Art &
Art History



Biology

Art and Art History Department

An abstract eye and hand symbolize artistic expression through the artist's sense of sight and touch. Bright colors against black suggest creative boldness.

Biology Department

Dominating the biology banner is a symbol representing the structure of the DNA molecule, deoxyribonucleic acid. The structure of this fundamental material of life, the chemical basis of heredity, was revealed in 1953 and actually photographed in 1969.

Chemistry and Biochemistry Department

The main symbol used in this banner is the electron distribution for tetrahedral hybrid orbitals, which represents the chemical activity of the elements and their compounds. Two segments of a crystal structure are included in the design, which are also the floor-plan shape of the science building. The shaft of pale yellow symbolizes the light of investigation. Yellow is the traditional color associated with science.



Chemistry &
Biochemistry



Classical
Languages

Classical Languages Department

While the lyre and the wolf may be taken individually as symbols of Greece and Rome, together they portray the unity of the two civilizations and its cultural achievement, the union of art and nature, and of poetry and myth. Horace has given this continuity and fusion of the two traditions of Greece and Rome its classical literary expression in his odes, of which none better, perhaps, than the "Integer vitae" ode conveys the intention of this banner.

Communication Arts and Sciences Department

Sound waves emanating from a central core symbolize communication through speech and drama. The reversal of the outward movement suggests feedback in communication. Silver gray is the color traditionally assigned to speech and drama.



Communication
Arts & Sciences



Computer
Science

Computer Science Department

The banner of the Computer Science Department features a Turing machine, the foundational model of digital computation. The zeroes and ones on its tape reflect the binary logic by which digital computation is implemented. The changing colors and order of the numbers express the transition as data move from input through processing to output. The white shaft and its golden sheath symbolize the light and energy of education and the sciences. The flowing wind symbolizes the transforming work of the Holy Spirit as it infuses the discipline of computing.



*Economics
& Business*



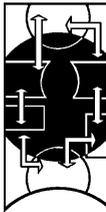
Education

Economics and Business Department

Shapes and lines express the charting and planning of economic budgets. Subtly appearing among other symbols is a cross expressing the Christ-centered teaching of economics at Calvin College. Copper is the color associated with economics.

Education Department

The relationship of teacher and student in the educational process is represented by the forceful interaction of shapes in this design. The white shaft symbolizes the light of learning in the Holy Spirit. Blue is traditionally linked with education.



Engineering



English

Engineering Department

The Engineering banner illustrates the key activity of engineers, namely, their involvement with the design process, an iterative, decision-making sequence. Steps in the sequence, represented by circles and rectangles, are connected by arrows to indicate the movement from the initial problem statement to final solution. Two-way arrows suggest the possibility of sequence reversal. Orange traditionally designates engineering.

English Department

The two main symbols, the lion and the eagle, represent England and the United States of America. The lozenge pattern in the background expresses the pageantry of England during the development of the English language.



French



*Geology,
Geography, &
Environmental
Studies*

French Department

The banner of the Department of French features the Coq Gaulois, long a national emblem of France, and the Arch of Triumph, a symbol of French patriotism. The cock, traditionally the Christian symbol for watchfulness, has been adopted as its symbol by a nation which since its inception has been one of the important cradles of Christian thought and practice. The colors of the national flag are represented by the Coq Gaulois.

Geology, Geography, and Environmental Studies Department

Earthkeeping, the human community's care for God's earth, is symbolized in the banner for the Department of Geology, Geography, and Environmental Studies by representations of atmosphere, mountains, cities, water, and the various levels of the earth's interior. The white shaft symbolizes the light and energy of learning stimulated by the Holy Spirit.



*Germanic
& Asian
Languages
& Literatures*



*Health,
Physical
Education,
Recreation,
Dance,
& Sport*

Germanic and Asian Languages and Literatures Department

The study of the Dutch and German languages is represented by symbols taken from emblems of the countries associated with these languages. The traditional black eagle represents Germany, and the orange lion is from the seal of the Netherlands. The white shaft symbolizes the light of learning.

Health, Physical Education, Recreation, Dance, and Sport Department

Engaged in exercise, sports, and dance, a person in motion is suggested by the movement of rhythmical shapes and lines. Sage green is the color associated with physical fitness.



History



Library

History Department

Jagged horizontal bands, representing both the rise and fall of civilizations and the four kingdoms as described in the Book of Daniel, move across vertical time lines, which also symbolize the dramatic influence of Christ on history.

Library

The library as a gatherer, receptacle, and distributor of information, ideas, and learning is represented by the abstract book shape, while the white, flowing shaft itself symbolizes the light and energy of learning in the Holy Spirit of God. The flame is the traditional symbol of learning and discovery through research.



Mathematics
& Statistics



Music

Mathematics and Statistics Department

Mathematicians have always saved time and effort by substituting symbols for words. The basic arithmetical steps of adding, subtracting, multiplying, and dividing are depicted on this banner by some of the earliest ways of writing them down.

The Renaissance calculator Tartaglia used the first letter of the Italian word for *plus* to signify adding. Diophantus favored this minus sign in Greek times. Leibniz employed this multiplication symbol in seventeenth-century Germany. J. E. Gallimard used this reverse *D* for division in eighteenth-century France.

Music Department

The design of the music banner emphasizes the rhythms of musical sounds. Shapes and lines suggest strings, valves, keys, horn bell, drum, and other musical forms. Radiating circles suggest sound waves. The colors express the various moods of music.



Nursing



Philosophy

Nursing Department

The traditional emblem of nursing, Florence Nightingale's lamp, is featured in the banner for the Department of Nursing. The flame of the lamp symbolizes the light of Christian compassion and education. The gold of the lamp is the traditional color for science. The background apricot color is the academic regalia color for nursing, while the white shaft represents peace through the Holy Spirit.

Philosophy Department

Light refracted through a transparent prism symbolizes the many-faceted investigations of fact and of principles of reality and of human nature and conduct.

Physics and Astronomy Department

The construction of elements is symbolized in the physics banner by the simplest atom, hydrogen, with its single proton and electron. Also included in the design are a tracing of the paths of particles from an atom and a segment of a crystal structure, which is also the floor-plan shape of the science building. The yellow shaft symbolizes the light of investigation.



Physics &
Astronomy



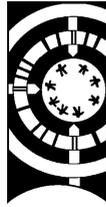
Political
Science



Psychology



Religion



Sociology &
Social Work



Spanish

Political Science Department

The banner of the Department of Political Science features a representation of the fasces, a symbol of the authority of the state, and arrows that express the direction and flow of the analytical and holistic nature of the process of law. The fasces, a bundle of rods bound about by an ax with projecting blade, was carried before ancient Roman magistrates as a symbol of authority. The white shaft of seven rods also symbolizes peace and enlightenment through the Holy Spirit.

Psychology Department

The Greek letter *psi*, the first letter of the Greek word *psyche* (the mind), traditionally signifies the discipline of psychology. The color red symbolizes emotion; blue, rationality; and white, peace through the Holy Spirit.

Religion Department

Three symbols of the Trinity—circle, cross, and dove—express the fullness of God as He reveals Himself as Creator, Savior, and Counselor. These symbols are interlocked to depict the oneness of God. The shaft of white is the light of learning in Christian education guided by the Holy Spirit. Scarlet is traditionally associated with theology.

Sociology and Social Work Department

The central concept of sociology, represented by the inner circle, is a person interacting with other people to form groups. Total human society, represented by the broken circle, is composed of many small units forming a larger interrelated structure. All groups, from the family to society itself, exist within a framework of social norms. This normative or cultural framework, represented by the unbroken outer circle, promotes conformity, as suggested by the arrows directed from it toward the inner circles of society and the smaller group.

Spanish Department

The banner of the Spanish Department features the traditional symbols of the historical kingdoms of Castilla (castle), León (lion), and Aragón (red and yellow bars). These Christian kingdoms emerged during the eight-hundred-year-long reconquest of the Iberian Peninsula from domination by Muslim rulers. The separate kingdoms were joined through the marriage of Ferdinand and Isabella, and eventually coalesced into the modern nation of Spain.

Banners: Robin A. Jensen

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